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## **EXPERTISE AND RESEARCH INTERESTS**

Aaron Wolf is a professor of geography in the College of Earth, Ocean, and Atmospheric Sciences at Oregon State University. He has an M.S. in water resources management (1988, emphasizing hydrogeology) and a Ph.D. in environmental policy analysis (1992, emphasizing dispute resolution) from the University of Wisconsin, Madison. His research focuses on issues relating transboundary water resources to political conflict and cooperation, where his training combining environmental science with dispute resolution theory and practice have been particularly appropriate.

Wolf has acted as consultant to the US Government, the World Bank, and several governments and development partners on various aspects of international water resources and dispute resolution. He has been involved in developing the strategies for resolving water aspects of the Arab-Israeli conflict, including co-authoring a State Department reference text, and participating in both official and "track II" meetings between co-riparians. He is author of *Hydropolitics Along the Jordan River: The Impact of Scarce Water Resources on the Arab-Israeli Conflict* (United Nations University Press, 1995); co-author of *Core and Periphery: A Comprehensive Approach to Middle Eastern Water* (Oxford University Press, 1997), *Transboundary Freshwater Dispute Resolution: Theory, Practice and Annotated References* (United Nations University Press, 2000), *Managing and Transforming Water Conflicts* (Cambridge University Press, 2009), *Reaching Across the Waters: Facing the Risks of Cooperation in International Waters* (World Bank Press, 2012), and *The Spirit of Dialogue: Lessons from Faith Communities in Transforming Conflict* (Island Press 2017); and editor of *Conflict Prevention and Resolution in Water Systems* (Elgar, 2002). All told, he is (co-) author or (co-) editor of eight books, and close to fifty journal articles, book chapters, and professional reports on various aspects of transboundary waters.

Wolf, a trained mediator/facilitator, directs the Program in Water Conflict Management and Transformation, through which he has offered workshops, facilitations, and mediation in basins throughout the world. He developed and coordinates the Transboundary Freshwater Dispute Database, which includes a computer compilation of 400 water-related treaties, negotiating notes and background material on fourteen case-studies of conflict resolution, news files on cases of acute water-related conflict, and assessments of indigenous/traditional methods of water conflict resolution ([www.transboundarywaters.orst.edu](http://www.transboundarywaters.orst.edu)). He was also a member of UNESCO's task force for the development of the Sixth Phase of the International Hydrology Program (2002-2007), the UNESCO/ADC Third Millennium Program on International Waters, and IWRA's Committee for International Collaboration, and is a co-director of the Universities Partnership on Transboundary Waters.

Wolf is a member of the Oregon Academy of Sciences, the Association of American Geographers, the American Water Resources Association, and the International Water Resources Association, and an associate member of the International Association for Water Law. He is an associate editor of *World Water Policy*, and the *Journal of the American Water Resources Association*, and is on the editorial board of *Water International* (he was an associate editor from 1995-1999).

Wolf was awarded the 2015 Heinz Award for Public Policy; was named first place for the 2013 Il Monito del Giardino Environmental Award by the Fondazione Parchi Monumentali Bardini Peyron, in Florence, Italy; was named a "Working Class Hero," by Miller-McCune Magazine in 2009; received the OSU Milton Harris Award in Basic Research in 2008; was named "Outstanding Freshman Teacher" at the University of Alabama in 1997; and, with Ariel Dinar, was awarded "Best Paper" for 1997 in [Agriculture and Resource Economic Review](#).

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## EDUCATION

University of Wisconsin, Madison, WI  
**Land Resources Program, 1990-92**  
-Degree: Ph.D. Emphasis: Environmental Policy Analysis

University of Wisconsin, Madison, WI  
**Water Resources Management Program, 1988-90**  
-Degree: M.S. Emphasis: Hydrogeology

San Francisco State University, San Francisco, CA  
**Major: Physical Geography/Resource Management, 1982-85**  
-Degree: B.A., Magna Cum Laude, Phi Beta Kappa

Professional Focus: Shared Waters Conflict Prevention, Management, and Transformation  
Water Resources and Environmental Institutional Development and Policy Analysis

## ACADEMIC EXPERIENCE

PROFESSOR OF GEOGRAPHY, College of Earth, Ocean, and Atmospheric Sciences Fall 2006 to Present  
CHAIR, Department of Geosciences Fall 2009 to Summer 2012  
ASSOCIATE PROFESSOR, Department of Geosciences Fall 2001 to Summer 2006  
ASSISTANT PROFESSOR, Department of Geosciences Fall 1998 to Summer 2001  
**Oregon State University, Corvallis, OR**

ASSISTANT PROFESSOR, Department of Geography Fall 1993 to Summer 1998  
**University of Alabama, Tuscaloosa, AL**

FELLOW, Center For Environmental Policy Studies Fall 1992 to Fall 1993  
**University of Wisconsin, Madison, WI**

## PROFESSIONAL ACTIVITIES

ACADEMIC DIRECTOR, OSU Natural Resources Leadership Academy Fall 2013 to Present  
• Outreach & Engagement Vice Provost Award for Excellence - Strategic Impact Award, 2014

HONORARY PROFESSOR, Institute of Boundary and Ocean Studies Spring 2013-Spring 2016  
**Wuhan University, Hubei Province, China**

VISITING SCHOLAR, Department of Geography Fall 2004-Spring 2005  
**The Hebrew University of Jerusalem, Israel**

DIRECTOR and FOUNDING PARTNER, Universities Partnership for Transboundary Waters May 2002 to Present  
• A consortium of 10 universities on five continents to support focused training, research, and service

DIRECTOR, Program in Water Conflict Management & Transformation Fall 1994 to Present

MEMBER, Water Permanent Monitoring Programme, World Federation of Scientists Fall 2001 to Present

MEMBER, Middle East Water Commission Fall 1993 to Spring 1997  
• Research group focusing on interdisciplinary work parallel to peace negotiations on Middle East water

“PEACE SCHOLAR” Fall 1991 to Fall 1992  
• Support from the US Institute of Peace for research relating water scarcity to international conflict

## **ADVISORY EXPERIENCE**

### **The World Bank**

Washington, DC

- Member of Core Team to develop International Waters Window and training course. Spring 2001-Present
- Co-authored study comparing instances of water conflict and cooperation. Spring-Summer 1996

### **U.S. Agency for International Development**

Spring 1994-Present

Washington, DC

- Co-authored background papers in support of new USAID programs; worked on implementation of international waters programs in Caucasus, southern Africa, SE Asia, and MENA region.

### **UNESCO/PCCP/ADC Third Millennium**

Winter 1997 to 2005

Valencia, Spain; Paris, France

- Organizing committee, Center for the Prevention and Management of Water Conflicts.

### **United Nations University**

Tokyo, Japan

- Organized and co-directed planning workshop for stakeholders of Salween basin. Spring-Summer 1999
- Wrote and presented background paper for Mideast policymakers in Cairo, Egypt. Winter 1992

### **Alabama Office of Water Resources**

Spring 1998 to Summer 1999

Montgomery, AL

- Helped develop Alabama position for Tri-State (Ala., Ga., Fla.) water compact negotiations.

### **US Department of State**

Winter 1997 to Summer 1998

Washington, DC

- Gave Regional Environmental Hub briefings on African and East Asian rivers; contributed to development of gaming exercises on the Tigris, Mekong, and Jordan Rivers.

### **U.S. Environmental Protection Agency/Wisconsin Department of Natural Resources**

Madison, WI

Fall 1992 to Summer 1993

- Analyzed Wisconsin rural compliance with Clean Water Act sections on non-point source pollution.

### **Foreign Service Institute, U.S. Department of State**

Summer 1992 to Winter 1993

Washington, DC

- Co-authored reference text for multilateral Arab-Israeli peace talks on water; presented history of Middle East water politics and options for the future for peace talk water negotiators.

**Worked in advisory capacity to governments of: Uzbekistan (2016), Afghanistan (2015), Netherlands (2014-2016), Germany (2014, 2006, 2001), Singapore (2003-2005), Mexico (2003), and Alabama (1998).**

## **PROGRAM DEVELOPMENT AND RESEARCH TEAMS**

GERMAN FOREIGN OFFICE, GIZ, AND ADELPHI RESEARCH: International Expert Workshop

Recommendations to the German Federal Foreign Office on a hydro-diplomatic initiative in the Nile Basin. Berlin, 16-18 October 2014.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND TUFTS UNIVERSITY: Water Diplomacy Research Coordination Network (RCN) Steering Committee. 2012-Present.

OREGON STATE UNIVERSITY: Helped develop the Natural Resources Leadership Academy, which won Best Credit Program and the Best Overall Program awards at the Western Association of Summer Session Administrators in 2012; and the OSU Outreach & Engagement Vice Provost Award for Excellence - Strategic Impact Award, 2014.

PORTLAND STATE UNIVERSITY: Affiliate Member, Middle East Studies Center. 2011-Present.

USAID/IRG: Member, Research Team, Regional Water Governance Benchmarking Project. Collaboration between IRG, International Water Management Institute, and Oregon State University. 2009-Present.

UN ENVIRONMENT PROGRAMME: Member, River and Lake Basins Ecosystems Working Group. May 2008-Present.

USAID/MEKONG RIVER COMMISSION: Team Member for the project: "Promoting Regional Cooperation in the Mekong River Basin." 2006-09.

WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS: Working Group Member, Water Conflict and Cooperation Working Group for the project, "Navigating Peace: Forging New Water Partnerships." April 2003-Present.

UN ENVIRONMENT PROGRAMME: Member, Dams and Development Forum. February 2003-Present.

INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE: Member, Ad Hoc Advisory Panel for the Challenge Program for Water for Food (Theme 5). February 2003-Present.

WORLD WATER COUNCIL, WATER ACTION UNIT: Advisor, "Sharing Water Project." June 2002-Present.

ORGANIZATION FOR SECURITY AND CO-OPERATION IN EUROPE: Advisor to the Economic and Environmental Sub-Committee for a program on The Co-operation for the Sustainable Use and the Protection of Quality of Water in the OSCE Context. Winter 2002-Present.

UNESCO INTERNATIONAL HYDROLOGY PROGRAM: Member of Advisory Committee to develop program on "From Potential Conflict to Cooperation Potential" and Chair of panel on History and Future of International Waters. Spring 2001-Present.

UNESCO, INTERNATIONAL HYDROLOGY PROGRAM (IHP): Member of Task Force to develop IHP Program, VI Phase (2002-2007). March 1998-June 2007.

SOUTHERN AFRICA DEVELOPMENT COMMUNITY (SADC) and GTZ: Technical support to SADC Water Sector for development of Limpopo and Orange River Basin Commissions. Johannesburg, South Africa, 25-26 January 2001.

PACIFIC NORTHWEST NATIONAL LABORATORY: Affiliate Staff Scientist. Spring 1997 to Present

EUROPEAN SCIENCE FOUNDATION: Research development on ESF Pilot Project, "Sharing Scarce Fresh Water Resources in the Mediterranean Basin: An Economic Perspective." Fall 1991 to Fall 1992.

## **PUBLICATIONS**

### **Books (authored/co-authored):**

Wolf, A. The Spirit of Dialogue: Lessons from Faith Communities in Transforming Conflict. Washington, DC: Island Press, 2017.

Subramanian, Ashok, Bridget Brown, and Aaron Wolf. Reaching Across the Waters: Facing the Risks of Cooperation in International Waters. Washington DC: The World Bank Press, 2012.

Delli Priscoli, Jerry and Aaron T. Wolf. Managing and Transforming Water Conflicts. Cambridge: Cambridge University Press, 2009.

Beach, L., J. Hamner, J. Hewitt, E. Kaufman, A. Kurki, J. Oppenheimer, and A. Wolf. Transboundary Freshwater Dispute Resolution: Theory, Practice and Annotated References. Tokyo and New York: United Nations University Press, 2000.

Biswas, A., J. Kolars, M. Murakami, J. Waterbury, and A. Wolf. Core and Periphery: A Comprehensive Approach to Middle Eastern Water. Oxford: Oxford University Press, 1997.

Wolf, A. Hydropolitics Along the Jordan River: The Impact of Scarce Water Resources on the Arab-Israeli Conflict. Tokyo and New York: United Nations University Press, 1995.

Wolf, A. A Purity of Arms. New York: Doubleday Books, 1989.

**Books (edited/co-edited):**

Wolf, A., ed. Hydropolitical Vulnerability and Resilience Along International Waters: Asia. Nairobi: UN Environment Programme, 2009.

Wolf, A., ed. Hydropolitical Vulnerability and Resilience Along International Waters: Europe. Nairobi: UN Environment Programme, 2009.

Wolf, A., ed. Hydropolitical Vulnerability and Resilience Along International Waters: North America. Nairobi: UN Environment Programme, 2009.

Wolf, A., ed. Hydropolitical Vulnerability and Resilience Along International Waters: Latin America and the Caribbean. Nairobi: UN Environment Programme, 2007.

Published in Spanish as, Vulnerabilidad y Resistencia Hidropolíticas en Aguas Internacionales: América Latina y el Caribe. Nairobi: UN Environment Programme, 2007.

Wolf, A., ed. Hydropolitical Vulnerability and Resilience Along International Waters: Africa. Nairobi: UN Environment Programme, 2006.

Jordan, J. and A. Wolf, eds. Interstate Water Allocation in Alabama, Florida, and Georgia. Gainesville: University Press of Florida, 2006.

UN Environment Programme and Oregon State University. Atlas of International Freshwater Agreements. Nairobi, Kenya: UNEP Press, 2002.

Wolf, A. ed. Conflict Prevention and Resolution in Water Systems. Cheltenham, UK: Elgar, 2002.

Amery, H. and A. Wolf, eds. Water in the Middle East: A Geography of Peace. Austin: University of Texas Press, 2000.

**Papers in Refereed Journals:**

Rai, Subash P., Aaron T. Wolf, and Nayan Sharma. "Hydropolitics and Hydropolitical Dynamics Between India and Nepal: An Event-Based Study." (2017) Water Policy, Vol. 19, pp. 791-819.

De Stefano, Lucia, Jacob D. Petersen-Perlman, Eric A. Sproles, Jim Eynard, Aaron T. Wolf. "Assessment of Transboundary River Basins for Potential Hydro-Political Tensions." Global Environmental Change. 45 (2017) 35-46.

Watson, Julie, Jacob Petersen-Perlman, and Aaron T. Wolf. "Transboundary Unbound: Redefining Water Conflict and Cooperation for Contemporary Challenges that Extend beyond Watersheds, Regions, and Water." Ken Conca and Erika Weinthal (eds.) The Oxford Handbook of Water Politics and Policy. Oxford: Oxford University Press, Oxford Handbooks Online, 2017.

Petersen-Perlman, Jacob D., Jennifer C. Veilleux, and Aaron T. Wolf. "International water conflict and cooperation: challenges and opportunities." Water International, 2017, pp. 105-120:  
<http://dx.doi.org/10.1080/02508060.2017.1276041>

Petersen-Perlman, Jacob D. and Aaron T. Wolf. "Getting to the First Handshake: Enhancing Security by Initiating Cooperation in Transboundary River Basins." Journal of the American Water Resources Association Paper No. JAWRA-14-0193-P, 2015. pp. 1-20.

De Stefano, Lucia, Mark Svendsen, Mark Giordano, Brent Steel, Bridget Brown, Aaron Wolf. 2014. "Water Governance Benchmarking: Concepts and Approach Framework as Applied to MENA Countries." Water Policy 16:6, pp. 1121-1139.

- Subramanian, Ashok, Bridget Brown, Aaron T. Wolf. "Understanding and overcoming risks to cooperation along transboundary rivers." *Water Policy* 16 (2014) 824–843.
- Patrick, M. J., H. Komakech, N. Mirumachi, H. Moosa, A. Prakash, L. Salame, Z. Shubber, P. van der Zaag and A. T. Wolf. 2014. "Building Bridges between the Sciences and the Arts of Water Co-Operation." *Aquatic Procedia* 2 (2014): 48–54
- Tullos, D. D., E. Foster-Moore, D. Magee, B. Tilt, A. T. Wolf, E. Schmitt, F. Gassert, and K. Kibler. 2013. Biophysical, socioeconomic, and geopolitical vulnerabilities to hydropower development on the Nu River, China. *Ecology and Society* 18(3): 16.
- Giordano, M., A. Drieschova, J. Duncan, Y. Sayama, L. De Stefano, A. T. Wolf. (2013) "A Review of the Evolution and State of Transboundary Freshwater Treaties." *International Environmental Agreements*, May.
- Petersen-Perlman, Jacob D., Jennifer C. Veilleux, Matthew Zentner, and Aaron T. Wolf. "Case Studies on Water Security: Analysis of System Complexity and the Role of Institutions." *Journal of Contemporary Water Research & Education*. Issue 149, pp. 4-12, December 2012.
- Dinar, S., L. De Stefano, J. Duncan, K. Stahl, K. M. Strzepek, A. T. Wolf. "No Wars for Water: Why Climate Change Has Not Led to Conflict." *Foreign Affairs*. 18 October 2012.
- Wolf, A. T. "Spiritual understandings of conflict and transformation and their contribution to water dialogue." (2012) *Water Policy*. 14, 73–88
- Eidem, N. T., K. Fesler, and A. T. Wolf. (2012) "Intranational Cooperation and Conflict over Freshwater: Examples from the Western United States." *Journal of Contemporary Water Research & Education*. Issue #147: March, pp. 63-71.
- De Stefano, L., J. Duncan, S. Dinar, K. Stahl, K. Strzepek, A. T. Wolf. (2012) "Climate Change and the Institutional Resilience of International River Basins." *Journal of Peace Research*. 49(1), 193–209.
- Odom, Olivia and Aaron T. Wolf. (2011) "Institutional resilience and climate variability in international water treaties: the Jordan River Basin as 'proof-of-concept.'" *Hydrological Sciences Journal*. 56(4), 703-710.
- De Stefano, L., P. Edwards, L. de Silva and A. T. Wolf (2010). "Tracking Cooperation and Conflict in International Basins: Historic and Recent Trends." *Water Policy*. Vol 12 No 6 pp 871–884.
- Tullos, D.; Brown, P.H.; Kibler, K.; Magee, D.; Tilt, B. and Wolf, A.T. 2010. Perspectives on the salience and magnitude of dam impacts for hydro development scenarios in China. *Water Alternatives* 3(2): 71-90.
- Wolf, A. "A Long Term View of Water and International Security." *Journal of Contemporary Water Research & Education*. Issue 142, pp. 67-75, August 2009.
- Brown, P., D. Tullos, B. Tilt, D. Magee, A. Wolf. "Modeling the Costs and Benefits of Dam Construction from a Multidisciplinary Perspective." *Journal of Environmental Management*. Vol. 90 Supp. 3 2009. pp. S303-S311.
- McNally, A., D. Magee, A. Wolf. "Hydropower and Sustainability: Resilience and Vulnerability in China's Powersheds." *Journal of Environmental Management*. Vol. 90 Supp. 3 2009. pp. S286-S293.
- MacQuarrie, P., V. Viriyasakultorn, and A. Wolf. "Promoting Cooperation in the Mekong Region through Water Conflict Management, Regional Collaboration, and Capacity Building." *GMSARN International Journal*. Vol. 2 (2008). pp. 175 – 184.
- Wolf, A. "Healing the Enlightenment Rift: Rationality, Spirituality and Shared Waters." *Journal of International Affairs*. Vol. 61 #2, Spring/Summer 2008. pp. 51-73.
- Wolf, A. "Shared Waters: Conflict and Cooperation." *Annual Review of Environment and Resources*. Vol. 32, Nov. 2007.

- Hossain, F., N. Katiyar, A. Wolf, and Y. Hong. (2007). The Emerging role of Satellite Rainfall Data in Improving the Hydro-political Situation of Flood Monitoring in the Under-developed Regions of the World. *Natural Hazards*. 43: 199-210 (doi 10.1007/s11069-006-9094-x).
- Jarvis, T., M. Giordano, S. Puri, K. Matsumoto, and A. Wolf. "International Borders, Ground Water Flow, and Hydroschizophrenia." *Ground Water*. Vol. 43 #5, Sept.-Oct. 2005.
- Giordano, M., M. Giordano, and A. Wolf. "International Resource Conflict and Mitigation." *Journal of Peace Research*. Vol. 42 #1, January 2005, pp. 47-65.
- Carius, A., G. Dabelko, and A. Wolf. "Water, Conflict, and Cooperation." *Environmental Change and Security Project Report*. Issue #10, 2004. pp. 60-66.
- Yoffe, S., G. Fiske, M. Giordano, M. Giordano, K. Larson, K. Stahl, A. Wolf. "Geography of International Water Conflict and Cooperation: Data Sets and Applications." *Water Resources Research*. Vol. 40, # 5, 2004. pp.
- Medzini, A. and A. Wolf. "Towards a Middle East at Peace: Hidden Issues in Arab-Israeli Hydropolitics." *International Journal of Water Resources Development*. Vol. 20 #2, June 2004. pp. 193-204.
- Wolf, A., K. Stahl, and M. Macomber. "Conflict and Cooperation Within International River Basins: The Importance of Institutional Capacity." *Water Resources Update*. #125, June 2003. pp. 31-40.
- Wolf, A., S. Yoffe, M. Giordano. "International Waters: Identifying Basins at Risk." *Water Policy*. Vol. 5 #1, 2003. pp. 31-62.
- Yoffe, S., A. Wolf, and M. Giordano. "Conflict and Cooperation Over International Freshwater Resources: Indicators of Basins at Risk." *Journal of the American Water Resources Association*. Vol. 39 #5, October 2003. pp. 1109-1126.
- Giordano, M. and A. Wolf. "Sharing Waters: Post-Rio International Transboundary Water Management." *Natural Resources Forum*. Vol. 27. 2003. pp. 162-170.
- Uitto, J. and A. Wolf. "Water Wars? Geographical Perspectives: Introduction (to co-edited Special Issue)." *Geographical Journal*. Vol. 168 Part 4, December 2002, pp. 289-292.
- Giordano, M., M. Giordano, and A. Wolf. "The Geography of Water Conflict and Cooperation: Internal Pressures and International Manifestations." *Geographical Journal*. Vol. 168 Part 4, December 2002, pp. 293-312.
- Chalecki, Elizabeth L., Peter H. Gleick, Kelli L. Larson, Arian L. Pregoner, and Aaron T. Wolf. "Fire & Water: Technologies, Institutions, and Social Issues in Arms Control and Transboundary Water-Resources Agreements." *Environmental Change and Security Project Report*. Issue #8, Summer 2002.
- Giordano, M. and A. Wolf. "Incorporating Equity into International Water Agreements." *Social Justice Research*. Vol. 14 #4, December 2001. pp. 349-366.
- Lonergan, S. and A. Wolf. "Moving Water to Move People: The Toshka Project in Egypt." *Water International*. Vol. 26 #4, December 2001. pp. 589-596.
- Postel, S. and A. Wolf. "Dehydrating Conflict." *Foreign Policy*. September/October 2001, pp. 60-67. Excerpted in *Global Change*. Vol. 7 #4, Winter 2001-02. p. 11.
- Wolf, A. "Indigenous Approaches to Water Conflict Negotiations and Implications for International Waters." *International Negotiation: A Journal of Theory and Practice*. Vol. 5 #2, December 2000. pp. 357-373.
- Wolf, A., J. Natharius, J. Danielson, B. Ward, and J. Pender. "International River Basins of the World." *International Journal of Water Resources Development*. Vol. 15 #4, December 1999. pp. 387-427.
- Yoffe, S. and A. Wolf. "Water, Conflict and Cooperation: Geographical Perspectives." *Cambridge Review of International Affairs*. Vol. 12 #2, Spring/Summer 1999. pp. 197-213.

- Wolf, A. "Criteria for Equitable Allocations: The Heart of International Water Conflict." *Natural Resources Forum*. Vol. 23 #1, February 1999. pp. 3-30.
- Wolf, A. "Conflict and Cooperation Along International Waterways." *Water Policy*. Vol. 1 #2, 1998. pp. 251-265.
- Hamner, J. and A. Wolf. "Patterns in International Water Resource Treaties: The Transboundary Freshwater Dispute Database." *Colorado Journal of International Environmental Law and Policy*. 1997 Yearbook, 1998.
- Wolf, A. "International Water Conflict Resolution: Lessons from Comparative Analysis." *International Journal of Water Resources Development*. Vol. 13 #3, September 1997.
- Dinar, A. and A. Wolf. "Economic and Political Considerations in Regional Cooperation Models." *Agricultural and Resource Economics Review*. Vol. 26 #1, April 1997.
- Kaufman, E., J. Oppenheimer, A. Wolf, and A. Dinar. "Transboundary Fresh Water Disputes and Conflict Resolution: Planning an Integrated Approach." *Water International*. Vol. 22 #1, March 1997.
- Middle East Water Commission (A. Biswas, J. Kolars, M. Murakami, J. Waterbury, and A. Wolf). "Observations Regarding Water Sharing and Management: An Intensive Analysis of the Jordan River Basin with Reference to Long-distance Transfers." *International Journal of Water Resources Development*. Vol. 11 #4, December 1995.
- Wolf, A. "Rural Nonpoint Source Pollution Control in Wisconsin: The Limits of a Voluntary Program?" *Water Resources Bulletin*. Vol. 31 #6, December 1995.
- Murakami, M., U. El-Hanbali, and A. Wolf. "Techno-political Alternative Strategies in the Interstate Regional Development of the Jordan Rift Valley at Peace." *Water International*. Vol. 20 #4, December 1995.
- Wolf, A. "International Water Dispute Resolution: The Middle East Multilateral Working Group on Water Resources." *Water International*. Vol. 20 #3, September 1995.
- Wolf, A. and M. Murakami. "Techno-political Decision-making for Water Resources Development: The Jordan River Watershed." *International Journal of Water Resources Development*. Vol. 11 #2, 1995.
- Murakami, M. and A. Wolf. "Water and Energy Development Alternatives in the Dead Sea and Aqaba Regions." *International Journal of Water Resources Development*. Vol. 11 #2, 1995.
- Dinar, A. and A. Wolf. "Economic Potential and Political Considerations of Regional Water Trade: The Western Middle East Example." *Resources and Energy Economics*. Vol. 16 #4, Winter 1994.
- Dinar, A. and A. Wolf. "International Markets for Water and the Potential for Regional Cooperation: Economic and Political Perspectives in the Western Middle East." *Economic Development and Cultural Change*. Vol. 43 #1, October 1994.
- Wolf, A. and A. Dinar. "Middle East Hydropolitics and Equity Measures for Water-Sharing Agreements." *Journal of Social, Political, and Economic Studies*. Vol. 19 #4, Spring 1994.
- Wolf, A. "Water-for-Peace in the Jordan River Watershed." *Natural Resources Journal*. Vol. 33 #3, Summer 1993.
- Wolf, A. "The Jordan River Watershed: Past Attempts at Cooperation and Lessons for the Future." *Water International*. Vol. 18 #1, March 1993.
- Wolf, A. and J. Ross. "The Impact of Scarce Water Resources on the Arab-Israeli Conflict." *Natural Resources Journal*. Vol. 32 #4, Fall 1992.

#### **Book Chapters (Refereed):**

- McCracken, Melissa, Laura E. R. Peters and Aaron T. Wolf. "Megatrends in Shared Waters in 2030 and Beyond." In Asit K. Biswas, Cecilia Tortajada, and Philippe Rohner, eds. Assessing Global Water Megatrends. New York: Springer, 2018.



- Wolf A.T. “International Waters: Conflict, Cooperation, and Transformation.” 2018. In: Dominick A. DellaSala, and Michael I. Goldstein (eds.) The Encyclopedia of the Anthropocene, vol.[4], pp. 291-299. Oxford: Elsevier.
- Marshall, Dena, Léna Salamé, and Aaron T. Wolf. “A Call for Capacity Development for Improved Water Diplomacy.” In: Shafiqul Islam and Kaveh Madani, eds. Water Diplomacy in Action: Contingent Approaches to Managing Complex Water Problems. London & NY: Anthem, 2017. pp. 141-154.
- Rai, Subash Prasad, Aaron T. Wolf, Nayan Sharma, and Harinarayan Tiwari. “Hydropolitics in Transboundary Water Conflict and Cooperation.” In: N. Sharma (ed.), River System Analysis and Management. Singapore: Springer, 2017.
- Petersen-Perlman, J., J. Veilleux, and A. Wolf. “Transboundary Water Management.” In: Singh, Vijay P., ed. Handbook of Applied Hydrology. New York: McGraw Hill, 2016.
- Veilleux, Jennifer, Matthew Zentner, and Aaron T. Wolf. “Relationship Between Freshwater Resources, Socio-Cultural Dynamics, and Geopolitical Stability.” In: Murdock, Darryl G., Robert R. Tomes, and Christopher K. Tucker, eds. Human Geography: Socio-Cultural Dynamics and Challenges to Global Security. USGIF Monograph Series Vol. 1, 2014, pp. 81-88.
- MacQuarrie, Patrick and Aaron T. Wolf. “Understanding Water Security.” In: Floyd, Rita and Richard Matthew eds. Environmental Security: Approaches and Issues. London: Routledge, 2013. pp. 169-186.
- Wolf, A. “Monitoring for Water Resources Conflicts: Change, Capacity, and Scale.” In Schneckener, U., A. von Scheliha, A. Lienkamp, B. Klage (eds.) Wettstreit um Ressourcen: Konflikte um Klima, Wasser und Boden. Munich: ClimatePartner, 2013. pp. 167-180.
- Wolf, A. “International Waters: Conflict, Cooperation, and Transformation.” In Strong, B., L. Babin, M. Zbylut, and L. Roan (eds.) Sociocultural Systems: The Next Step in Army Cultural Capability. US Army Research Institute for the Behavioral and Social Sciences Research Product 2013-02, September 2013.
- Fischhendler, I., A. Wolf, and G. Eckstein. “The Role of Creative Language in Addressing Political Realities: Middle-Eastern Water Agreements.” In: Megdal, S.B., Varady R.G. & Eden S. (eds.) Shared Borders, Shared Waters. Leiden, CRC Press/Balkema Taylor & Francis Group in cooperation with UNESCO-IHE, Delft. 2013. pp. 53-74.
- McCaffrey, Stephen, Richard Paisley, Lynette de Silva, and Aaron T. Wolf. “The Columbia River Treaty in 2014 and Beyond: International Experiences and Lessons Learned.” in Cosens, Barbara (ed.). The Columbia River Treaty Revisited: Transboundary River Governance in the Face of Uncertainty. Corvallis: Oregon State University Press, 2012. pp. 365-382.
- Wolf, A. “The Enlightenment Rift and Peacebuilding: Rationality, Spirituality, and Shared Waters.” In, Our Shared Future: Environmental Pathways to Peace – Revitalizing Community Within and Across Boundaries. Washington, DC: Woodrow Wilson Center, 2011.
- Jarvis, T. and A. Wolf. “Managing Water Negotiations and Conflicts in Concept and in Practice.” in Anton Earle, Anders Jägerskog and Joakim Öjendal, eds. Transboundary Water Management: Principles and Practice. London and Washington DC: Earthscan, 2010.
- Wolf, A. “A Long-Term View of Water and Security: International Waters, National Issues, and Regional Tensions.” in C. Lipchin, D. Sandler, and E. Cushman, eds. The Jordan River and Dead Sea Basin: Cooperation Amid Conflict. Dordrecht, Netherlands: Springer, 2009.
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Wolf, A. *Foreword* to Susanne Schmeier, Governing International Watercourses: River Basin Organizations and the Sustainable Governance of Internationally Shared Rivers and Lakes. London: Routledge, 2013.

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- Wolf, A. “Unquiet Waters (Lo Mei Menukhot).” *Green, Blue, and White: Forum for Industry and Economics in the Interest of Environmental Quality in Israel*. Vol. 10, October 1996 (Hebrew).
- Wolf, A. “The Asian Water Forum: Summary Report.” *Global Environmental Change: Human and Policy Dimensions*. Vol. 5 #2, 1995.
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## **PRESENTATIONS**

### **Invited Lectures and Activities:**

IHE-DELFT INSTITUTE FOR WATER EDUCATION: Lunch Seminar (with Zaki Shubber and Jeltsje Kemerink-Seyoum): “Water cooperation and diplomacy – Reflections.” 22 March 2018.

NETHERLANDS MINISTRY OF INFRASTRUCTURE & WATER MANAGEMENT: “An Outsider’s View of the Dutch Contribution to Water Diplomacy.” Lunch seminar, The Hague, Netherlands, 19 March 2018.

IHE-DELFT INSTITUTE FOR WATER EDUCATION: “Water Cooperation & Security.” Presentation to military attaches from the diplomatic community, Delft, Netherlands 15 March 2018.

MEDRC WATER RESEARCH & IHE-DELFT INSTITUTE FOR WATER EDUCATION: “Transboundary management – reflections with water management and governance students from around the world.” Interactive presentation to visiting practitioners from the Jordan River basin. 14 March 2018.

IHE-DELFT INSTITUTE FOR WATER EDUCATION: “Water Cooperation & Diplomacy.” Presentation to members of the Hague diplomatic community, Delft, Netherlands 7 March 2018.

IHE-DELFT INSTITUTE FOR WATER EDUCATION: Webinar (with Zaki Shubber): “Water Conflict Management & Diplomacy.” 6 March 2018.

AMERICAN WATER RESOURCES ASSOCIATION: Webinar (with Zaki Shubber): “Water Conflict Management & Diplomacy.” 14 February 2018.

DUKE UNIVERSITY: “The Spirit of Dialogue.” At a conference on The Logic of Sanctuary, Durham, NC, 9 February 2018.

GENEVA WATER HUB: “Early Warning Mapping for Anticipating and Preventing Water Conflicts.” At the Water Talk Series, 4<sup>th</sup> Edition: Anticipating Transboundary Water Disputes: How to Make Use of Hydro-political Data. University of Geneva, 1 February 2018.

INTERNATIONAL CENTRE FOR WATER COOPERATION: “The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Water Conflict.” 8th Seminar in Water Dialogue Series, Stockholm, Sweden, 29 January 2018.

IHE-DELFT INSTITUTE FOR WATER EDUCATION: Working Group Lead: “How does science inform or not inform, transboundary water governance?” at a seminar on Water & Peace: How can water science inform transboundary water governance? Delft, The Netherlands, 18-19 January 2018.

NETHERLANDS MINISTRY OF FOREIGN AFFAIRS: “An Outsider’s View of the Dutch Contribution to Water Diplomacy.” New Year’s Celebration of the Inclusive Green Growth Department, The Hague, Netherlands, 9 January 2018.

INTERNATIONAL CENTRE FOR INTEGRATED MOUNTAIN DEVELOPMENT: “Regional Cooperation.” International Conference on Resilient Hindu Kush Himalaya, Kathmandu, Nepal, 3-6 December 2017.

GRASS ROOTS BOOKS: “The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Conflict.” Book presentation and signing, Corvallis, OR, 16 November 2017.

FLORIDA INTERNATIONAL UNIVERSITY: “The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Conflict.” Fifth Mahavir Nirvan Lecture in Applied Jain Ethics; and “Security Aspects of Shared Waters.” Department of Politics & International Relations, Miami, FL, 13-14 November 2017.

NETHERLANDS MINISTRY OF FOREIGN AFFAIRS: “Water Diplomacy.” At a Program Retreat of Ministry Water Experts. Utrecht, The Netherlands, 25-27 October 2017.

UNESCO INTERNATIONAL HYDROLOGICAL PROGRAMME: “Hydrodiplomacy in Transboundary Waters.” At the Knowledge Forum on Water Security and Climate Change. Paris, France, 18-20 October 2017.

UN ECONOMIC COMMISSION FOR EUROPE: Key note speech: “Allocations in Practice – What Happens in the Room.” At a meeting on Water Allocation in Transboundary Basins: a global workshop on the status and good practices. Palais des Nations, Geneva, Switzerland, 16-17 October 2017.

INTERNATIONAL WATER ASSOCIATION and the WATER INSTITUTE OF SOUTHERN AFRICA: Keynote Address: “Healing the Enlightenment Rift: Rationality, Spirituality, and Difficult Conversations over Shared Waters,” at the 14<sup>th</sup> Specialty Conference on Watershed & River Basin Management, Skukuza Camp, Kruger National Park, South Africa, 9-11 October 2017.

SaciWATERs and the World Bank: Panel Member: “Formal and Informal Transboundary Arrangements and their Relevance for the Brahmaputra,” at the Brahmaputra River Symposium, New Delhi, India, 25-26 September 2017.

TEXAS A&M UNIVERSITY: “Conflict and Cooperation over Shared Waters: A Geographic Perspective,” College Station Campus; and “The Spirit of Dialogue,” Law School, Fort Worth Campus. Water Security Lecture Series, 18-19 September 2017.

GOVERNMENT OF SLOVENIA: Panelist, “Water for Peace and Security,” at the Bled Strategic Forum, Bled, Slovenia, 4-5 September 2017.

TUFTS UNIVERSITY, OBSERVOR RESEARCH FOUNDATION, and MIT: “Water & Spirituality,” at the Ganga-Padma Dialogue: A Devising Seminar,” Kolkata, India, 10-11 August 2017.

SUSTAINABLE NORTHWEST and OREGON WATER RESOURCES DEPARTMENT: Keynote address: “Shared Waters Around the World.” at a conference on Collaborative Planning for Our Water Future, Bend, OR, 24 May 2017.

TUFTS UNIVERSITY: Water Diplomacy Roundtable: Quo Vadis? Cambridge, MA, 12-13 May 2017.

WASHINGTON STATE HYDROGEOLOGY SYMPOSIUM: Keynote address: “Conflict & Cooperation Over Shared Waters.” Tacoma, WA, 9 May 2017.

MIDDLEBURY UNIVERSITY: “Healing the Enlightenment Rift: Rationality, Spirituality, & Shared Waters.” Remote presentation at the President’s Course on Water, Middlebury, VT and Monterey, CA, 24 April 2017.

UNIVERSITY OF CALIFORNIA, IRVINE: Scholar in Residence, including keynote: “Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters.” Water UCI, Irvine, CA, 2-3 March 2017.

PONTIFICAL ACADEMY OF SCIENCES: “Geopolitics of Water: Conflicts & Perspectives.” at the Seminar on the Human Right to Water, Vatican City, 23-24 February 2017.

UNESCO INTERNATIONAL CENTER FOR WATER COOPERATION & STOCKHOLM INTERNATIONAL WATER INSTITUTE: “What is Water Diplomacy? An Academic Perspective.” at the International Symposium on Water Diplomacy, Stockholm, Sweden, 16-17 December 2016.

STRATEGIC FORESIGHT GROUP & CENTRE FOR THE RESOLUTION OF INTRACTABLE CONFLICTS AT HARRIS MANCHESTER COLLEGE: International Roundtable on Water Cooperation for Peace and Security, House of Lords, London, England, 24 October 2016.

FUDON UNIVERSITY INSTITUTE OF INTERNATIONAL STUDIES: “Asia’s Transboundary Water Cooperation and Institution Building,” at a meeting on Trans-boundary Water Resource Cooperation in Asia: Progress and Prospect, Shanghai, China, 12-13 August 2016.

GRANTMAKERS OF OREGON & SW WASHINGTON: “Community Driven Solutions to Address Water Issues,” at Building Bridges: Listen, Learn, Lead Conference, Canyonville, OR, 18 May 2016.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS): “Sharing Data: Focusing on the Use of International Scientific Databases as an Important Tool in Science and Diplomacy,” at a AAAS Meeting Science Diplomacy 2016, Washington, DC, 5 May 2016.



DEPARTMENT OF DEFENSE: “Monitoring for Water Conflicts & Cooperation,” at a DoD Science & Technology Workshop on Environmental Security, Arlington, VA 4 May 2016.

MIDDLEBURY INSTITUTE OF INTERNATIONAL STUDIES: “Governing Transboundary Waters: Understanding and Overcoming Risks to Cooperation,” in the Sustainability Speaker Series, Monterey, CA, 30 April 2016.

UNESCO-IHE INSTITUTE FOR WATER EDUCATION: “Water Diplomacy: What Is It and What Could It Be to UNESCO-IHE?” Seminar, Delft, Netherlands, 9 March 2016.

NETHERLANDS MINISTRY OF FOREIGN AFFAIRS: “Water Diplomacy: Getting Both Sides Right.” The Hague, Netherlands, 8 March 2016.

UNIVERSITY OF KHARTOUM: “Water Diplomacy: Getting Both Sides Right.” At the Water Research Center, Khartoum, Sudan, 3 March 2016.

NETHERLANDS EMBASSY IN KHARTOUM: “Interdependencies between the Eastern Nile countries: A Global Perspective.” At a Seminar for EU diplomats working in Egypt, Ethiopia, South Sudan and Sudan: Towards a better understanding of the socio-economic dynamics of the Eastern Nile and its transboundary challenges: potential roles of the EU.” Khartoum, Sudan, 1-2 March 2016.

NATIONAL UNIVERSITY OF SINGAPORE: “Transboundary Waters in 2030 and Beyond,” At a workshop on Megatrends, at the Lee Kuan Yew School of Public Policy, Singapore, 24-25 February 2015.

NATIONAL UNIVERSITY OF SINGAPORE and KAPSARC: “The Nexus and Shifting Hydropolitics in the Middle East,” at A Joint Workshop on Emerging issues facing the water-energy-food nexus in the Middle East and Asia, Singapore, 22 February 2016.

CITY CLUB OF CORVALLIS: “International Responses to Drought,” in a Roundtable on Climate Change with Phil Mote and Gordon Grant. Corvallis, OR, 9 November 2015.

UNIVERSITY OF PORTLAND: “Transboundary Waters & the Enlightenment Rift.” At a conference, One River, Ethics Matter: Ethics and the Columbia River Treaty,” Portland, OR, 24 October 2015.

UNIVERSITY OF VERMONT: Burack President’s Distinguished Lecture: “Pushing the Boundaries of Water Sustainability: Conflict, Cooperation, and Transformation Over Shared Waters,” Burlington, VT, 5 October 2015.

UNITED STATES WATER PARTNERSHIP: “Promoting Transboundary Water Cooperation: Challenges and Model Solutions.” Webinar, 28 September 2015.

UNIVERSITY OF OREGON: “Droughts, Conflict & Cooperation: Lessons from Around the World.” At a conference on Drought and the American West, sponsored by the Environmental and Natural Resources Law Center, the Journal of Environmental Law and Litigation (JELL), and the Oregon Review of International Law (ORIL). Eugene, OR, 25 September 2015.

HEBREW UNIVERSITY: Keynote presentation: “Climate Change, Institutions, and Transboundary Waters,” with Lucia De Stefano, James Duncan, Shlomi Dinar. At a conference on Management of Transboundary Water Resources Under Scarcity, Rehovot, Israel 22-23 June 2015.

AMERICAN BAR ASSOCIATION: “Methods for Resolving Water Disputes: Interstate Compacts & Collaborative Processes.” (With Christopher Kane.) SEER-ADR Webinar, 11 June 2015.

GERMAN FOREIGN OFFICE: “Preventive Water Foreign Policy – Developments and New Concepts,” Berlin, Germany, 8 June 2015.

US DEPARTMENT OF STATE, OFFICE OF RELIGION AND GLOBAL AFFAIRS. “Shared Waters: Healing the Enlightenment Rift in the Balkans.” Analytic Briefing: Shared Water and Religion in the Balkans (Webinar). 27 May 2015.

PITTSBURGH WORLD AFFAIRS COUNCIL: "Navigating Peace: Conflict And Cooperation Over Shared Waters." Pittsburgh, PA, 13 May 2015.

OREGON STATE UNIVERSITY: Panelist at film event, "Who Owns Water?" OSU Hydrophiles Water Research Symposium, Corvallis, OR, 27 April 2015.

ACADEMY FOR LIFELONG LEARNING: "Water's Role in Arab-Israeli Conflict and Cooperation." Corvallis, OR, 22 April 2015.

STOCKHOLM INTERNATIONAL WATER INSTITUTE AND INTERNATIONAL UNION FOR CONSERVATION OF NATURE: Keynote Address: "Water Diplomacy and Multi-level Governance," at the session, Water Diplomacy and Multi-level Governance: Connecting levels to make a difference, 7<sup>th</sup> World Water Forum, Daegu, South Korea, 12-17 April 2015.

MARY'S PEAK GROUP OF THE SIERRA CLUB: "Approaches to International Water Conflict Resolution and OSU's Contributions," Corvallis, OR, 4 February 2015

ALASKA WORLD AFFAIRS COUNCIL: Speaking tour including Juneau World Affairs Council, Anchorage World Affairs Council, East High School, and McLaughlin Youth Center. 2-6 December 2014.

UNIVERSITY OF SASKATCHEWAN: "Breakthroughs in water negotiations: Rationality, spirituality and shared waters," Global Institute for Water Security, Saskatoon, SK, Canada, 12 November 2014.

US DEPARTMENT OF STATE: "The National Security Implications of Water Forecasting," Bureau of Intelligence and Research, Washington, DC, 15 September 2014.

NATIONAL INTELLIGENCE UNIVERSITY: "Water, National Security, and Transborder Crises," President's Lecture Series, Washington, DC, 15 September 2014.

YUNNAN AND TZINGHUA UNIVERSITIES: "Forum of Asian International Rivers (FAIR)" Inception Discussion. Kunming, Yunnan Province, China. 9-10 August 2014.

UNIVERSITY OF NEBRASKA: "Shared Waters: Conflict, Cooperation, and Kabbalah." At a meeting on Water Security and Peace: Avenues for Cooperation. Lincoln, NE, 28-29 May 2014.

US DEPARTMENT OF THE INTERIOR: "Sharing Water, Building Relations: Transforming Water Conflict in the US West." Office of Policy Analysis Seminar. Washington, DC, 12 May 2014.

OREGON STATE UNIVERSITY: "Transformational Listening for Flourishing Relationships." Counseling & Psychological Services (CAPS) Flourishing @ OSU Lecture Series. Corvallis, OR, 11 April 2014.

UNIVERSITY OF ARIZONA: "Shared Waters: Spirituality, Conflict and Cooperation," and "Water and the Arab - Israeli Peace Process." Sponsored by the Water Resources Research Center, School of Geography and Development (SGD), and School of Middle Eastern and North African Studies (MENAS). 27-28 March 2014.

UNIVERSITY OF BOTSWANA: "Shared Waters: Conflict and Cooperation." Invited Lecture, sponsored by the US Embassy in Gaborone, 21 March 2014.

WOODROW WILSON CENTER: Invited Panelist at the USAID/Wilson Center Launch of the Water and Conflict Toolkit. Washington, DC, 24-25 February 2014.

GEORGETOWN UNIVERSITY: "The Spirit of Water." At a course on Water. 24 February 2014.

FOREIGN MINISTRY OF GERMANY: "International Workshop: Challenges and Prospects for Global Water Diplomacy: Strengthening the role of foreign policy in transboundary waters." Stimson Center, Washington, DC, 3-4 December 2013.

WATER DIPLOMACY CONSORTIUM: "Mediation as a Tool for Solving Water-Related Disputes," Water Security and Peace Conference, Peace Palace, The Hague, The Netherlands, 14-15 November 2013.

CONGRESSMAN EARL BLUMENAUER'S INTERNATIONAL WATER FORUM: Panel Member on an International Water Panel. Portland, OR, 5 November 2013.

US ARMY CORPS OF ENGINEERS: "International Water Cooperation and Collaboration," for the Institute for Water Resources, Conflict Resolution & Public Participation Center of Expertise. Webinar, 27 June 2013.

UNIVERSITY OF FLORENCE: Address for the first place for the 2013 Il Monito del Giardino Environmental Award, by the Fondazione Parchi Monumentali Bardini Peyron: "International Waters: Conflict, Cooperation, and Transformation," Florence, Italy, 5 June 2013.

NATIONAL LAW UNIVERSITY OF DELHI: "International Waters: Global Experience," at a meeting of NLUD and Lewis & Clark Law School on, "Realizing the Goal of Water for Life: Lessons from Around the World," New Delhi, India, 30-31 May 2013.

WUHAN UNIVERSITY: "International Waters and US Foreign Policy," at the Institute of Boundary and Ocean Studies; and "International Waters: Lessons from Around the World," at the College of Water Resources and Hydropower Engineering, 14-15 May 2013.

US MISSION IN UZBEKISTAN: Invited as a US Speaker and Specialist, including one week of travel, lecture and discussion around the international waters of Central Asia. 1-7 April 2013.

SULTAN QABOOS UNIVERSITY: Keynote Address: "International Waters: Lessons from Around the World." Workshop on Water Cooperation Towards Resources Sustainability, Muscat, Oman, 23 March 2013.

UNIVERSITY OF HAIFA: "Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters." Geography Seminar, Haifa, Israel, 24 December 2012.

HEBREW UNIVERSITY: "International Water Resources and US National Security." Workshop on Securitization of Water Discourse, organized by the Jerusalem Water Group as part of the EU CLICO Project. Jerusalem, Israel, 17-18 December 2012.

ENERGY, WATER AND CLIMATE CHANGE: "Mapping institutional resilience of international river basins to future climate change-induced water variability." EWACC2012: Building Bridges, Nicosia, Cyprus, 10-12 December 2012.

MEKONG RIVER COMMISSION: "The Governance of Hydropower in Transboundary River Basins – International Experiences." Mekong River Commission and GIZ Training Workshop, Bangkok, Thailand, 20-21 November 2012.

PORTLAND STATE UNIVERSITY: "Arab-Israeli Conflict and Cooperation: The Question of Water." Middle East Studies Center Lunch and Learn Series, Portland, OR 18 October 2012.

FELLOWSHIP OF RECONCILIATION: Keynote Address: "Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters." FoR PNW Conference: Living The Dream of Justice & Peace. Seabeck, WA, 29 June-2 July 2012.

NATIONAL GEOSPATIAL INTELLIGENCE AGENCY: "International Waters: Conflict, Cooperation, and Climate Change." Springfield, VA, 26 June 2012.

UNIVERSITY OF OSNABRÜCK: "Healing the Enlightenment Rift: New Directions for Managing and Transforming Environmental Conflicts." Lecture Series on Cooperation or Conflict over Resources: Climate, Water, Land. Osnabrück, Germany, 5 June 2012.

JOINT MILITARY LEADERSHIP CENTER: Keynote Address: "Shared Waters: Conflict, Cooperation, and Transformation." At a Meeting: Water: The Key to Regional Stability through Sustainable Partnerships, University of South Florida, Tampa, FL, 7 May 2012.

ATLANTIC COUNCIL: Keynote Address: “Water Conflict and Cooperation.” At a meeting on Setting Boundaries to Transboundary Water Conflict. Washington, DC, 23 March 2012.

OHIO STATE UNIVERSITY: “Healing the Enlightenment Rift: New Directions for Managing and Transforming Environmental Conflicts.” Geography Colloquium Series. 26 January 2012.

MIAMI UNIVERSITY: “Healing the Enlightenment Rift: New Directions for Managing and Transforming Environmental Conflicts.” 10<sup>th</sup> Annual Baldwin Frontiers in Geology Lecture. 25 January 2012.

ARMY RESEARCH INSTITUTE: “International Waters: Conflict, Cooperation, and Transformation.” At the Socio-Cultural Systems Meeting, Fort Leavenworth, KS, 12-13 January 2012.

NATIONAL INTELLIGENCE UNIVERSITY: Distinguished Speaker Program: “Water: The Nexus of Security and Stability.” Washington, DC, 12 December 2011.

UNIVERSITY OF OKLAHOMA: Presidential Dream Course, including two lectures on, “Shared Waters in the Jordan Basin,” and a public lecture on, “Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters.” Norman, OK, 8-10 November 2011.

ACADEMY FOR LIFE-LONG LEARNING: “Water Conflict and Cooperation Along the Nile.” Oregon State University, Corvallis, OR, 1 November 2011.

WESTHEIMER PEACE SYMPOSIUM: “Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters.” Wilmington College, Wilmington, OH, 19 October 2011.

US MILITARY ACADEMY: “Water – The Nexus of Security and Stability.” West Point, NY, 16 October 2011.

COLUMBIA RIVER TREATY SOVEREIGN REVIEW TEAM: “Columbia River Treaty 2014-2024 Review: Ecosystem Function Stakeholders.” Portland, OR, 3 August 2011.

WOODROW WILSON CENTER: “International River Basins: Mapping Institutional Resilience to Climate Change,” with James Duncan and Matthew Zentner. Washington, DC, 28 July 2011.

PACIFIC NORTHWEST ECONOMIC REGION: “Columbia River Treaty Symposium.” At the PNWER 21st Annual Summit, Portland, OR, 21 July 2011.

MILITARY GEOGRAPHY SPECIALTY GROUP OF THE AAG: “Water – The Nexus of Security and Stability.” At the Association of American Geographers Annual Meeting, Seattle, WA, 14 April 2011.

US MISSION IN SOUTH AFRICA: Invited as a US Speaker and Specialist, including the following events:

- “Water Resources Policy & Conflict Resolution.” University of Pretoria, 16 February 2011.
- “Water Conflict, Cooperation, and Climate.” Mae Jamison Reading Room, Mamelodi, 16 February 2011.
- “Water Conflict Management & Transformation.” University of the Northwest, Potchefstroom, 17 February 2011.
- “Conflict and Cooperation over Shared Waters.” High School Model UN Students, US Consulate, Johannesburg, 17 February 2011.
- “Shared Waters: Conflict & Cooperation.” Council for Scientific and Industrial Research, Pretoria, 18 February 2011.

SOUTH AFRICA WATER AND ENERGY FORUM: Keynote Speaker: “Water Wars & Water Realities: Water as a Driver of Cooperation.” Johannesburg, South Africa, 14-15 February 2011.

CALAPOOIA WATERSHED COUNCIL: “Shared Waters: Global Issues and Local Successes.” Brownsville, OR, 9 February 2011.

OREGON STATE UNIVERSITY: "Healing the Enlightenment Rift: New Directions for Transforming Environmental Conflicts." Hundere Endowment for Religion and Culture Ideas Matter Series. 3 February 2011.

UNIVERSITY OF NEVADA, RENO: "Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters," at the UNR Graduate Program in Hydrologic Sciences Colloquium. Reno, NV, 28 January 2011.

UNIVERSITY OF CALIFORNIA, RIVERSIDE: "When International Water Becomes a Global Challenge," at the UCR Graduate Student Workshop on International/Transboundary Water, Riverside, CA, 20-21 December 2010.

UNITED NATIONS: "Shared Water Resources and Environmental Peacemaking," Side Event: Promoting Water Cooperation and Dialogue for Achieving the MDGs. New York, NY, 30 November 2010.

BOTIN FOUNDATION: "Spiritual Understandings of Conflict and Transformation and Their Contribution to Healthy Water Dialogue." 5<sup>th</sup> Botin Foundation Water Workshop: Water and Food Conflicts Versus Cooperation in a Globalized World. Santander, Spain, 28-19 October 2010.

UNIVERSIDAD DE ZARAGOZA: "Water Wars: Myth or Reality." Departamento De Análisis Económicas y Empresariales, Zaragoza, Spain, 27 October 2010.

UNIVERSIDAD COMPLUTENSE DE MADRID: "Water Wars: Myth or Reality." Facultad de CC. Geológicas, Madrid, Spain, 26 October 2010.

THE WORLD BANK: "Mapping the resilience of international river basins to future climate change-induced water variability." Washington, DC, 3 September 2010.

WORLD AFFAIRS COUNCIL OF OREGON: "Healing the Enlightenment Rift: Water Conflict, Cooperation, and Kabbalah." Portland, OR, 20 July 2010.

USAID/IRG: "Document Database and Policy Analysis" (with Bridgett Brown), and "Resolving Conflicts among Stakeholders," at the Regional Water Governance Benchmarking Project Results Workshop, Amman, Jordan, 27-28 June 2010.

US GEOLOGICAL SURVEY: "Water Conflicts and Cooperation." Water Resources Division Series Lecture, Portland, OR, 4 May 2010.

UNIVERSITY OF MISSISSIPPI: "Water Governance and Conflict Management," at a conference on Sharing the Waters, Oxford, MS, 1 May 2010.

UNIVERSITY OF PORTLAND: "Water Conflict Resolution," at the meeting, Confluences: Water & Justice, Portland, OR, 26-28 March 2010.

UNIVERSITY OF WISCONSIN: Weston Distinguished Global Sustainability Lecture Series speaker: "Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters," Madison, WI, 26 March 2010.

NETHERLANDS MINISTRY OF FOREIGN AFFAIRS and the AFRICAN STUDIES CENTRE: "Shared Waters: Conflict and Cooperation," with Marloes Bakker, The Hague, Netherlands, 11 March 2010.

UNITED WORLD COLLEGE: "Shared Waters: Conflict, Cooperation, and Transformation." Invited Lecture, Las Vegas, NM, 26 February 2010.

UNIVERSITY OF FLORIDA: "Shared Waters: Conflict and Cooperation." Plenary presentation at the UF Water Institute Symposium, Gainesville, FL, 24-25 February 2010.

UNIVERSITY OF OREGON SCHOOL OF LAW: "Crisis and Collaboration: Environmental Decision-Making in a Rapidly Changing Landscape," at a Fireside Conversations Series, Eugene, OR, 10 February 2010.

STIMSON CENTER: "Defining and Identifying Critical Basins," at a meeting on Fresh Water Futures, Washington, DC, 29 January 2010.

ENVIRONMENTAL INDICATIONS AND WARNINGS: 2<sup>nd</sup> Analyst and Science Advisory Meeting, Washington, DC, 14 January 2010.

WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS and FETZER INSTITUTE: Wilson Center on the Hill: “Resolving Natural Resource Conflicts: A Path to Development and Peace.” Washington DC, 13 January 2010.

“Pathways to Peace: Stories of Environment, Health, and Conflict.” Washington DC 13 January 2010.

“The Enlightenment Rift and Peacebuilding: Rationality, Spirituality, and Shared Waters.” Opening thematic paper for a meeting on Pathways to Peace: Defining Community in the Age of Globalization. Washington DC, 11-12 January 2010.

UNITED NATIONS GENERAL ASSEMBLY: Panel Discussion on, “Enhancing Governance on Water,” at the 64<sup>th</sup> General Assembly Economic and Financial Second Committee, New York, NY, 6 November 2009.

ECUMENICAL PATRIARCHATE: “Healing the Enlightenment Rift,” at Symposium VIII: The Great Mississippi – Restoring Balance, New Orleans, LA, 18-25 October 2009.

UNIVERSITÉ LAVAL: “Water Governance and Global Institutions.” Keynote address at a meeting on, “Water Governance in the Americas,” Quebec City, Canada, 15 October 2009.

UNIVERSITY OF ARIZONA: “Transboundary Water Quality and Quantity: Lessons from Around the World,” at the Arizona, Israeli, and Palestinian Water Management and Policy Workshop, Tucson, AZ, 31 August-2 September, 2009.

GILGAL BAPTIST CHURCH: “Mideast Geopolitics and a Slide Trip Down the Jordan River,” Duncanville, AL, 12 July 2009.

US AGENCY FOR INTERNATIONAL DEVELOPMENT: “Spiritual Transformation and Lessons for Environmental Negotiations,” Washington, DC, 23 June 2009.

WOODROW WILSON CENTER: “Spiritual Transformation and Lessons for Environmental Negotiations,” Environmental Change and Security Program, Washington, DC, 3 June 2009.

DEFENSE INTELLIGENCE AGENCY: Keynote, Water Working Group: “Water Infrastructure Development and Conflict,” at the 4<sup>th</sup> Annual Military & Civilian Infrastructure Conference, Herndon, VA, 3 June 2009.

CORVALLIS HADASSAH: “Water Without Borders,” (with Sarah Sheldrick), Corvallis, OR, 3 May 2009.

AMERICAN WATER WORKS ASSOCIATION: “Shared Water Resources: Conflict, Cooperation, and Climate,” at the PNWS-AWWA 2009 Annual Spring Conference, Salem, OR, 6 May 2009.

US DEFENSE INTELLIGENCE AGENCY, US SOUTHERN COMMAND, AND NATIONAL DEFENSE INTELLIGENCE COLLEGE: Panel Member, “Climate Change and Resource Scarcities: Implications for National Security in the Americas,” at the 2<sup>nd</sup> Hemispheric Security and Intelligence Symposium, Orlando, FL, 9-11 December 2008.

MILKIN INSTITUTE: Participant, Financial Innovations Lab. Jerusalem, Israel, 5-6 November 2008.

COLUMBIA UNIVERSITY: Panel Member, “To the Last Drop: Water and Security in the 21st Century,” School of International and Public Affairs, New York, NY, 5-6 May 2008.

GREEN CROSS INTERNATIONAL and PERES CENTER FOR PEACE: Olivia Odom and Aaron Wolf (presenter), “Needs in a Historical Legal and International Context,” at a workshop on Defining Water Needs for Fully Exploited Resources, Geneva, Switzerland, 2-4 May 2008.

GUSTAVUS ADOLPHUS COLLEGE: “Troubled Water,” MAYDAY! Peace Conference Keynote Address, St. Peter, MN, 30 April 2008.

INSTITUTE FOR WATER AND WATERSHEDS: Scott Leibowitz, Aaron Wolf, Benjamin Barnett, "Living Waters: Connection and Separation." Oregon State University Distinguished Panelists in Water Resources Series, Corvallis, OR, 23 April 2008.

PUBLIC INTEREST ENVIRONMENTAL LAW CONFERENCE: Olivia Odom and Aaron Wolf, "Institutional Resilience and Climate Variability in International Water Treaties: The Jordan River Basin as 'Proof-of-Concept.'" Eugene, OR, 7 March 2008.

NATIONAL INTELLIGENCE COUNCIL AND INTELLIGENCE COMMUNITY: Participant, Study Group on the Middle East 2025, 21-22 February, Washington, DC, 2008.

CORVALLIS-ALBANY FRIENDS OF THE MIDDLE EAST: "A History of Water Conflict and Cooperation in the Middle East: A Slide Trip Down the Jordan River." Corvallis, OR, 17 February 2008.

UNIVERSITY OF NEW MEXICO LAW SCHOOL: "Water Conflict and Cooperation: PNW and Southwest," Albuquerque, NM, 12 February 2008.

LOS ALAMOS NATIONAL LAB: "Global and Mideast Shared Waters," Frontiers in Geoscience Seminar Series, Los Alamos, NM, 11 February 2008.

WATER FOR PEOPLE: "Shared Waters: Conflict and Cooperation." Water for People Gala Keynote, Portland, OR, 9 February 2008.

WATER INSTITUTE and DEPARTMENT OF RELIGION: "Spiritual Transformation and Lessons for Environmental Negotiations," Water Institute Distinguished Scholar Seminar Series, University of Florida, Gainesville, FL, 24-25 January 2008.

NATO SCIENCE FOR PEACE PROGRAM and the ARAVA INSTITUTE FOR ENVIRONMENTAL STUDIES: "A Long Term View of Water and Security: International Waters, National Issues, and Regional Tensions," at a NATO Advanced Research Workshop on Transboundary Natural Resources Governance in Regions of Extreme Conditions, Ein Gedi, Israel, 19-21 November 2007.

CEZANNE, CORNELL, and BEN-GURION UNIVERSITIES: "Long-term Hydropolitical Planning in the Jordan Basin: Historical Assessment and Impending Changes," at a workshop on, "Exploring the Potential for Israeli-Palestinian Economic Cooperation," Jerusalem, Israel, 16-19 November 2007.

CENTER FOR THE HUMANITIES: "Spiritual Transformation and Lessons for Environmental Negotiations, or, Conflict, Cooperation, and Kabbalah," Oregon State University, Corvallis, OR, 6 November 2007.

NORTHWEST GEOLOGICAL SOCIETY: "Northwest and International Water Conflicts and Cooperation," NWGS 20<sup>th</sup> Anniversary Symposium, University of Washington, Seattle, WA, 13 October 2007.

PRAGUE FORUM 2000: Panel Discussant: "Interfaith Dialogue Roundtable: Changing Relation between Religion and Politics;" "Securing Water Supplies in the Middle East;" and "Responsible Water Management – Water Risks in the 21<sup>st</sup> Century;" and offered Jewish perspective on Freedom and Responsibility at a Multi-Faith Meditation. Prague, Czech Republic, 7-9 October 2007.

US BUREAU OF RECLAMATION: "The History and Future of the Western Water Institutional Solutions" (with Doug Clark), Workshop on Institutional Solutions for Water Resource Conflicts: A Forum for Reclamation Managers. Salt Lake City, UT, 24-26 September 2007.

ARIZONA CENTER FOR JUDAIC STUDIES: "International Waters of the Middle East: Conflict, Cooperation, and Kabbalah," Shaol Pozez Memorial Lectureship Series, Tucson, AZ, 26 March 2007.

MONTEREY INSTITUTE OF INTERNATIONAL STUDIES: "Conflict and Cooperation Along International Waters," Spring 2007 Environmental Lecture Series. Monterey, CA, 22 March 2007.

UNIVERSITY OF MICHIGAN, SCHOOL OF NATURAL RESOURCES: “Spiritual Transformation and Lessons for Environmental Negotiations, or, Conflict, Cooperation, and Kabbalah,” at the Integrating Science and Ethics to Promote Sustainable Water Policy Lecture Series. Ann Arbor, MI, 12 February 2007.

DESTINATION OSU: “Shared Waters: Conflict, Cooperation, and Kabbalah,” Palm Springs, CA, 5 March 2007.

MEKONG RIVER COMMISSION SECRETARIAT/USAID: “Introduction to Conflict Management and Best Practices.” Addressing Differences and Disputes: Mekong River Commission Secretariat Brainstorming Meeting. Vientiane, Lao PDR, 6 February 2007.

AFRICA DEVELOPMENT BANK/NILE BASIN INITIATIVE: Expert Presentation and Resource Person: “Water as a Tool for Peace.” Workshop on Confidence Building for Riparian Countries, Entebbe, Uganda, 30-31 October 2006.

UNESCO-IHE: Water and Sustainable Development Introductory Talks: “Spiritual Transformation and Lessons for Water Negotiations.” Delft, Netherlands, 25 October 2006.

UNIVERSITY OF CALIFORNIA, SANTA CRUZ: Global Issues Colloquium: Water and the World: “Water Wars: Myth or Reality?” Santa Cruz, CA, 16 October 2006.

DUKE UNIVERSITY AND UNIVERSITY OF NORTH CAROLINA: Joint Seminar on International Environmental Conflict Resolution: “Environmental Dispute Resolution: Conflict, Cooperation, and Kabbalah.” Chapel Hill, NC, 13 October 2006.

DUKE UNIVERSITY: Nicholas School of Environment and Earth Sciences, Water Forum Speaker Series: “Shared Water: Conflict and Cooperation.” Durham, NC, 13 October 2006.

INDIANA UNIVERSITY: Center for the Study of Global Change: International Studies Institute Lecture: “Water in the Future.” Bloomington, IN, 13 July 2006 (remote).

HADASSAH: Annual Fundraiser Keynote: “International Water: Conflict, Cooperation, and Kabbalah.” Corvallis Arts Center, Corvallis, OR, 26 February 2006.

US GEOLOGICAL SURVEY: “Conflict and Cooperation over International Waters.” Oregon Water Science Center. Portland, OR, 21 February 2006.

OREGON STATE CORRECTIONAL INSTITUTION: “Arab-Israeli Geopolitics.” Salem, OR, 19 February 2006.

WILLAMETTE UNIVERSITY: “Great Decisions: Freshwater and Foreign Policy – New Challenges.” Salem, OR, 24 January 2006.

OREGON WATER RESOURCES COMMISSION: Expert Panel Member for Commission Dialog. Corvallis, OR, 12 January 2006.

ISRAEL MINISTRY OF THE ENVIRONMENT: “Crafting a Program on Sustainable Institutions.” Office of the Director-General, Jerusalem, Israel 20 July 2005.

CONGREGATION RAMOT ZION: “G-d’s Message for Angry Engineers: Water, Politics, and Spiritual Transformation.” Jerusalem, Israel, 19 July 2005.

LONDON SCHOOL OF ECONOMICS and PROGRAM ON SUSTAINABLE DEVELOPMENT: Keynote address: “Environmental Cooperation for Peace Building.” at a conference on Growing Sustainable Peace, Mishkenot She’ananim, Jerusalem, Israel, 14 April 2005.

BEN-GURION UNIVERSITY OF THE NEGEV: “Conflict and Cooperation over International Waters.” Blaustein Institutes for Desert Research, Sde Boker, Israel, 30 March 2005.



ISRAEL WATER COMMISSION: “International Waters: Global Issues and Institutions.” Tel Aviv, Israel, 14 February 2005.

HEBREW UNIVERSITY: “Water Conflicts and Cooperation.” Department of Geography Seminar, Jerusalem, Israel, 24 November 2004.

UN ENVIRONMENTAL PROGRAMME, WOODROW WILSON CENTER, HEINRICH BÖLL FOUNDATION: “Water, Peace, and Sustainable Development.” UN Commission on Sustainable Development, New York, NY, 29 April 2004.

OSU ACADEMY FOR LIFELONG LEARNING: “The US and its Place in the Middle East.” Corvallis, OR, 13 January 2004.

US NATIONAL INTELLIGENCE COUNCIL: “International Waters and US Security.” Langley, VA, 17 December 2003.

BANFF MOUNTAIN SUMMIT: “‘Water Wars’ and Other Tales of Hydromythology.” Keynote Address at a summit on Mountains as Water Towers, Banff, Canada, 23-26 November 2003.

UN ENVIRONMENT PROGRAMME: “Human Vulnerability on International Waters.” Presentation to the staff of the Division of Early Warning and Assessment, Nairobi, Kenya. 28 October 2003.

MINISTERIAL ROUNDTABLE ON AFRICA’S INTERNATIONAL WATERS: “International Waters in Context.” at a ministerial meeting hosted by Nile COM, AfDB and the World Bank, Addis Ababa, Ethiopia, 9-10-September 2003.

UNIVERSITIES COUNCIL ON WATER RESOURCES: Keynote Address: “International Waters.” at a special joint conference on Water Security in the 21<sup>st</sup> Century, Washington, DC 30 July-1 August 2003.

ASPEN GLOBAL CHANGE INSTITUTE: “Institutions, Complexity, and Alternatives.” at a meeting on Learning from Regions: A Comparative Appraisal of Climate, Water, and Human Interactions in the Colorado and Columbia River Systems, Aspen, CO, 5-10 June 2003.

QUAKER UNITED NATIONS OFFICE and UNDP: United Nations Seminar: “Cooperation on Transboundary Waters.” United Nations, New York, NY, 4 June 2003.

CARNEGIE COUNCIL ON ETHICS AND INTERNATIONAL AFFAIRS: Faculty Development Workshop: “Ethics, Science and Policy: Environmental Education for a Transnational World.” Worcester, MA, 18-21 May 2003.

US BUREAU OF RECLAMATION; DEPARTMENT OF STATE; AGENCY FOR INTERNATIONAL DEVELOPMENT: “Transboundary Water Resources: International Overview.” at the Okavango River Basin Ministers’ Workshop, Maun, Botswana, 7-9 May 2003.

WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS: “Water Conflict Resolution.” at a meeting on “Navigating Peace: Forging New Water Partnerships.” Washington, DC, 29 April to 1 May 2003.

UNESCO/GREEN CROSS INTERNATIONAL: Keynote Address: “Origins of Water Related Conflicts.” at the Third World Water Forum, Kyoto, Japan, 16-23 March 2003.

QUAKER UNITED NATIONS OFFICE: Keynote Address: “Cooperative Benefits from Transboundary Waters.” American Friends Service Committee, New York, NY, 24 January 2003.

UNESCO/GREEN CROSS INTERNATIONAL: Keynote Address: “International Support for Transboundary Waters: Education, Coordination, and Hydrodiplomacy.” at a conference on Conflict to Cooperation in International Water Resources Management, Delft, Netherlands, 20-22 November 2002.

US AGENCY FOR INTERNATIONAL DEVELOPMENT: Keynote Address: “Water and Conflict: Mixing Hydrology and Development Assistance.” at USAID’s Summer Seminar Series, Washington DC, 1 October 2002.

US AGENCY FOR INTERNATIONAL DEVELOPMENT/DAI: “Institutional Issues in River Basins.” at a Seminar on Water Policy Issues: Water Management in the South Caucasus, Tbilisi, Georgia, 11 July 2002.

MIDDLE EAST TECHNICAL UNIVERSITY: “Conflict and Cooperation along International Waterways.” at a Conference on International Relations, Ankara, Turkey, 3-5 July 2002.

OREGON COUNCIL FOR THE HUMANITIES: “Water Conflict and Cooperation: Lessons from Around the World.” Reed College, Portland, OR, 25 June 2002.

UNIVERSITY OF COLORADO: Session Chair and Presentation: “Transboundary Water Conflicts and Cooperation.” at a meeting on Allocating and Managing for a Sustainable Future: Lessons from Around the World, Boulder, CO, 11-14 June 2002.

ORGANIZATION FOR SECURITY AND CO-OPERATION IN EUROPE: Keynote Address: “The Importance of Regional Cooperation on Water Management for Confidence-Building.” at the Third Preparatory Seminar for the 10<sup>th</sup> OSCE Forum, Baku, Azerbaijan, 15-16 April 2002; and at the Tenth OSCE Economic Forum, Prague, Czech Republic, 28-30 May 2002.

ADELPHI RESEARCH/WOODROW WILSON CENTER: “Water Cooperation – A Tool for Confidence-Building.” at the Expert Workshop: Bridging the Gap Between South and North, San José, Costa Rica, 2-4 April 2002.

NATIONAL ACADEMIES OF SCIENCE OF SENEGAL AND THE UNITED STATES: “International Rivers: Using GIS to Identify Opportunities for Cooperation.” at the Workshop on Scientific Data for Decision Making Toward Sustainable Development, Dakar, Senegal 13-15 March 2002 (presented remotely).

JOHNS HOPKINS UNIVERSITY: “Water Availability: The Politics of Sharing.” at a meeting on The Coming Crunch: Population, Food, and Water in the 21<sup>st</sup> Century, Baltimore, Maryland, 21 February 2002.

ORGANIZATION FOR SECURITY AND CO-OPERATION IN EUROPE: “Transboundary Waters: Sharing the Benefits.” at a meeting of the Economic and Environmental Sub-Committee, Vienna, Austria, 24 January 2002.

UNESCO and GREEN CROSS INTERNATIONAL: “The History of Conflict and Cooperation.” at the International Ministerial Conference on Freshwater, Bonn, Germany, 3-7 December 2001.

THE INTERNATIONAL WATER ACADEMY: “Treaties as Mechanisms for Conflict Resolution.” at the Seminar on Legal Issues Relating to Management and Development of International Waters, Oslo, Norway, 29-30 November 2001.

NANCY CHANDLER VISITING SCHOLAR PROGRAM: “Water Rights.” Bend, Oregon, 15 November 2001.

UNIVERSITY OF WASHINGTON: “International Waters.” Jackson School of International Affairs, 5 November 2001.

WORLD FOOD PRIZE: “How to Prevent Hydropolitical Conflicts.” at the World Food Prize 15<sup>th</sup> Annual Celebrations, Des Moines, Iowa, 18-19 October 2001.

WORDWATCH and CARNEGIE INSTITUTES: “Dehydrating Conflict: International Security and Water Scarcity.” Washington, DC, 24 September 2001.

WORLD AFFAIRS COUNCIL OF OREGON: “Dehydrating Conflict.” Portland, Oregon, 30 August 2001.

WORLD FEDERATION OF SCIENTISTS: “International Waters.” International Seminars on Planetary Emergencies, 26<sup>th</sup> Session, Erice, Italy, 19-24 August 2001.

USAID OFFICER’S TRAINING WORKSHOP: “Competition for a Scarce Resource.” Washington, DC, 15 July 2001.

US NIC 8<sup>th</sup> ANNUAL MEETING: “Water Issues.” Emerging Patterns of State and Non-State Relations in the Middle East and South Asia, Washington, DC, 24-25 May 2001.

THE WORLD BANK/MIDDLE EAST INSTITUTE: “Water in the Middle East.” 6<sup>th</sup> Annual Conference, Washington, DC, 15 May 2001.

COLUMBIA UNIVERSITY: “Water and Conflict.” Environmental Policy Studies Program, New York, New York, 26 April 2001.

THE WORLD BANK: “The Challenge of International Waters.” Water Week, Washington, DC, 18 April 2001.

OKAVANGO RIVER STUDY TOUR: “Resources for Transboundary Water Management.” US Bureau of Reclamation, Washington, DC, 16 April 2001.

AMERICAN WATER RESOURCES ASSOCIATION, WISCONSIN DIVISION: Keynote Address – “Conflict and Cooperation over International Waters.” Green Lake, Wisconsin, 29-30 March 2001.

GERMAN MINISTRY FOR ECONOMIC COOPERATION AND DEVELOPMENT: Keynote Address – “Main Issues in Transboundary Water Management.” at the Informal Donor Consultations on Transboundary Water Issues, Rudesheim, Germany, 18-20 March 2001.

DUKE UNIVERSITY: “International Waters: Conflict and Cooperation.” Pratt School of Engineering, Durham, North Carolina, 15 February 2001.

LAWRENCE LIVERMORE NATIONAL LABORATORY: “International Waters: Basins at Risk.” Livermore, California, 8 January 2001.

SOCIETY OF ENVIRONMENTAL JOURNALISTS: Participant on a panel on The Coming Water Wars? at the SEJ’s 10<sup>th</sup> National Conference, East Lansing, MI, 19-21 October 2000.

UNITED NATIONS UNIVERSITY: Presentation (w/Meredith Giordano) – “Transboundary Water Treaties: Global Experience and Implications for Southern Africa.” at a Workshop on Southern African Waters, Johannesburg, South Africa, 25-26 November 2000.

SOUTH AFRICA INSTITUTION OF CIVIL ENGINEERS/BKS LTD./DEPT. OF WATER AFFAIRS: Presentation – “Water, Ethics, and Joy.” Johannesburg, South Africa, 21 September 2000

SANDIA NATIONAL LABORATORY, CENTER FOR COOPERATIVE MONITORING: Presentation (w/Kelli Larson) – “The Application of Information Technologies to Transboundary Water Resource Management.” Albuquerque, NM, 7 September 2000.

INTERNATIONAL PEACE RESEARCH INSTITUTE: Presentation – “International Waters: Conflict or Cooperation.” Oslo, Norway, 11 August 2000.

US DEPARTMENT OF STATE and the GLOBAL ALLIANCE ON WATER: Keynote Address – “Trends in Conflict and Cooperation over International Waters” at the launch meeting, Towards a Global Alliance on Water, Washington, DC, 16 June 2000

US CENTRAL COMMAND: Plenary Address – “Shared Waters within the CENTCOM Area of Responsibility” at the USCENCOM Central Region Symposium, Tampa, FL, 5-8 June 2000.

WORLD CONSERVATION UNION (IUCN): Presentation – “The Euphrates River Basin” at a workshop on Globalization and the Comprehensive Governance of Water, Gland, Switzerland, 26 May 2000.

MIDDLEBURY COLLEGE, CENTER FOR INTERNATIONAL STUDIES: Roundtable participant at a workshop on The Golan Heights for Peace? Prospects and Implications for the Syria-Israel Negotiations, Middlebury, VT, 29 March 2000.

US DEPARTMENT OF STATE, NATIONAL FOREIGN AFFAIRS TRAINING CENTER: Presentation on international water resources to the class of the 42<sup>nd</sup> Senior Professional Seminar, Arlington, VA, 28 March 2000.

US STRATEGIC ASSESSMENTS GROUP: Roundtable participant in a workshop on The Middle East's Economic Future: Anticipating Plausible Worlds, Arlington, VA, 2-3 December 1999.

SECOND ROSENBERG INTERNATIONAL FORUM ON WATER POLICY: Meeting on Harmonizing Uses of Water Worldwide. Barcelona, Spain, 3-5 October 1999.

US DEPARTMENT OF STATE and the FOREIGN SERVICE INSTITUTE: Panel introduction and facilitation – “Resolving Transboundary Water Disputes: Developing a Process” at a conference on Transboundary Water Issues and Conflict: Problems, Prospects, and Policy. Washington DC, 29-30 September 1999.

GEOGRAPHICAL SOCIETY OF CHINA: Plenary address – “Water Conflicts and Conflict Resolution in Practice.” International Symposium Towards Cooperative Management of International Rivers. Kunming, China, 25-30 June, 1999.

WOODROW WILSON CENTER: Presentation – “Water: Conflict or Cooperation.” Environmental Change and Security Project, Washington DC, 4 June, 1999.

AMERICAN ISRAEL PUBLIC AFFAIRS COMMITTEE (AIPAC): Presentation – “Water Wars: Will H2O Flood the Peace Process?” at the 40<sup>th</sup> Annual National Policy Conference, Washington, DC, 23 May, 1999.

ORGANIZATION OF AMERICAN STATES: Presentation – “Strategies for Conflict Resolution.” Third Inter-American Dialogue on Water Management, Panama City, Panama, 21-25 March, 1999.

LEGACY, PARTNERS IN ENVIRONMENTAL EDUCATION: Presentation – “Environmental Security” at the 1999 Environmental Partnership Conference, Birmingham, AL, 25-27 February, 1999.

YALE UNIVERSITY: Address on environmental issues related to peace negotiations for the Yale Accords: A Model Middle Eastern Peace Conference. New Haven, CT, February 11-14, 1999.

US SENATE SUBCOMMITTEE ON GLOBAL CHANGE RESEARCH: Presentation – “Water and the Arab-Israeli Peace Process.” Washington, DC, November 23, 1998.

SCHOOL OF INTERNATIONAL AFFAIRS, CARLETON UNIVERSITY: Presentation – “Transboundary Institutions and Cooperative Projects.” Workshop on Water Balances in the Eastern Mediterranean. Ottawa, ON, October 30-31, 1998.

INTERNATIONAL DEVELOPMENT RESEARCH CENTRE: Roundtable on Water in the Eastern Mediterranean: Cause of Conflict or Source of Cooperation? Ottawa, ON, October 29, 1998.

EARTH INSTITUTE, COLUMBIA UNIVERSITY: Presentation – “Can Conflict Resolution Help?” Colloquium on Water Diplomacy. New York, NY, October 12-13, 1998.

BRITISH FOREIGN OFFICE and SANDIA NATIONAL LAB: Presentation – “Water and Cooperative Security.” Wilton Park Special Conference on Cooperative Security, Winton House, UK, August 3-7, 1998.

INSTITUTE ON GLOBAL CONFLICT AND COOPERATION (University of California, Berkeley): Presentation on Berber water management practices and implications for the Middle East. Meeting on Water and Food Security in The Middle East. Nicosia, Cyprus, April 20-23, 1998.

KENNEDY SCHOOL OF GOVERNMENT, HARVARD UNIVERSITY: Lecture -- “Management of Disputed International Waters.” Cambridge, MA, April 8, 1998.

CARLOS MUSEUM, EMORY UNIVERSITY: Lecture to coincide with exhibit, “Sepphoris and Galilee: Crosscurrents of Culture.” Atlanta, GA, April 6, 1998.

UNESCO/GREEN CROSS INTERNATIONAL: Workshop on Averting a Water Crisis in the Middle East. Paris, France, March 18, 1998.

INTERNATIONAL PLACE, THE CLAREMONT COLLEGES: Lecture -- "Water Rights and Conflicts in the Middle East." Claremont, CA, February 19, 1998.

UNIVERSITY OF WASHINGTON and PACIFIC NORTHWEST NATIONAL LABS: Presentation -- "Environmental Issues of the Middle East." Meeting on Cultural Attitudes about the Environment and Ecology and their Connection to Regional Political Stability. Seattle, WA, January 16-17, 1998.

UNESCO/ADC THIRD MILLENNIUM: Presentation -- "Approaches to Conflict Resolution in International Water Issues." High-Level Group on International Water Management in the 21st Century. Valencia, Spain, December 18-20, 1997.

WOODROW WILSON CENTER, Environmental Change and Security Program: Presentation -- "Water and Conflict Resolution." Meeting on Conflict or Cooperation: The Challenges of Freshwater Resources into the Next Millennium. Washington, DC, November 18-19, 1997.

DCI ENVIRONMENTAL CENTER: Panel on Environment and Security Issues in the Middle East and North Africa, Environmental Flashpoints Workshop. Reston, VA. November 12-14, 1997.

GLOBAL ENVIRONMENTAL CHANGE AND HUMAN SECURITY PROJECT: Presentation -- "Conflict and Cooperation along International Waterways." NATO Advanced Workshop: Environmental Change, Adaptation and Security. Budapest, Hungary, October 9-12, 1997.

GLOBAL GREEN, USA: International Freshwater Symposium. Los Angeles, CA, October 17, 1997.

ROSENBERG INTERNATIONAL FORUM ON WATER POLICY: Meeting on Resolving Conflict in the Management of Water Resources. San Francisco, CA, September 29-30, 1997.

DESERT RESEARCH INSTITUTE/UNIVERSITY OF NEVADA, RENO: Presentation -- "Indigenous Approaches to Water Conflict Resolution and Implications for International Waters." Meeting on Changing Water Regimes in Drylands. Lake Tahoe, CA, June 9-13, 1997.

WORKSHOP ON JOINT MANAGEMENT OF SHARED AQUIFERS (Sponsored by the Palestine Consultancy Group and the Truman Institute for the Advancement of Peace): Istanbul, Turkey. May 18-22, 1997.

PACIFIC NORTHWEST NATIONAL LABORATORY: Lecture -- "International Water Disputes in the Context of Environmental Security." Richland, WA, May 13, 1997.

FORUM OF THE MIDDLE EAST WATER COMMISSION (Sponsored by the International Water Resources Association and the World Water Council). Marseilles, France, January 27-29, 1997.

LATIN AMERICA WATER FORUM (Sponsored by the International Water Resources Association and the Organization of American States). Sao Paulo, Brazil, January 15-17, 1997.

ODENSE UNIVERSITY, DANISH MIDDLE EAST NETWORK: Presentation -- "Hydrostrategic Territory in the Jordan Basin." Meeting on Water in the Middle East: A Source of Conflict or Cooperation? Odense, Denmark, August 26, 1996.

UNIVERSITY OF LONDON, SOAS: Lecture -- "Water, War, and Arab-Israeli Peace Negotiations." London, June 4, 1996.

NATIONAL DEFENSE UNIVERSITY: Presentation -- "Relationship of Environmental Elements to Stability: Hydro-Strategic Elements." Workshop on Environmental Dimensions of Regional Security, sponsored by US Departments of Defense and Energy. Washington, DC, May 16, 1996.

NATIONAL RESEARCH COUNCIL, WATER SCIENCE AND TECHNOLOGY BOARD: Presentation on water policy and technology appropriate for the Middle East. Washington, DC, February 15, 1996.

YALE UNIVERSITY, SCHOOL OF FORESTRY AND NATURAL RESOURCES: Lecture -- "International Water Conflict Resolution in Asia and the Middle East." New Haven, CT, February 6, 1996.

MIDDLE EAST TECHNICAL UNIVERSITY, and GOVERNMENT OF TURKEY: MINISTRIES OF FOREIGN AFFAIRS and of WATER RESOURCES. Presentation on Middle East water policy and technology, and forum participant, at a meeting jointly sponsored by the above bodies and the Middle East Water Commission. Ankara, Turkey, February 1-3, 1996.

INTERNATIONAL WATER RESOURCES ASSOCIATION, UNIVERSITY OF NEW MEXICO: Lecture -- "The Jordan Basin at Conflict and at Peace." Presented at a seminar series on water management. Albuquerque, NM, October 16, 1995.

UNIVERSITY OF WISCONSIN-MADISON, INSTITUTE FOR ENVIRONMENTAL STUDIES: Lecture -- "Food and Water." Presented in a series of the 1995 University Summer Forum: "Will There be Enough Food on the Table?" Madison, WI, June 27, 1995.

UNIVERSITY OF MARYLAND, CENTER FOR INTERNATIONAL DEVELOPMENT AND CONFLICT MANAGEMENT: Lecture -- "International Water Disputes in Comparative Perspective." College Park, MD, May 12, 1995; Led mock negotiations for course on Arab-Israeli conflict at Tantur, Jerusalem, July 4, 1995.

THE WORLD BANK: Lecture on international water conflict resolution. Washington, DC, May 11, 1995.

OVERSEAS ECONOMIC COOPERATION FUND, GOVERNMENT OF JAPAN: Presentation on Middle East water transfer schemes. Tokyo, Japan, March 30, 1995.

MINISTRY OF FOREIGN AFFAIRS, GOVERNMENT OF JAPAN: Presentation on water resources development and conflict resolution. Ministry Headquarters, Tokyo, Japan, February 2, 1995.

ASIAN WATER FORUM (Sponsored by the International Water Resources Association and the United Nations): Forum Rapporteur. Bangkok, Thailand, January 30-February 1, 1995.

INTERNATIONAL WATER RESOURCES ASSOCIATION: Presentation -- "Work of the Middle East Water Commission." Presented (with A. Biswas, J. Kolars, M. Murakami, and J. Waterbury) at the VIIIth International Water Resources Association World Congress, Cairo, Egypt, November 21-25, 1994.

NAUMANN FOUNDATION, JERUSALEM: Lecture -- "Water Resources: Can Conflict be Avoided?" Kiryat Anavim, Israel, June 10, 1994.

WITTENBERG UNIVERSITY: Lecture -- "Water Resources and the Arab-Israeli Conflict." Springfield, OH, April 21, 1994.

UNIVERSITY OF IDAHO, BORAH FOUNDATION FOR THE OUTLAWRY OF WAR: Forum participant -- "Water and International Conflict." Moscow, ID, March 1994.

INTERNATIONAL WATER RESOURCES ASSOCIATION: A keynote presentation -- "Principles for Confidence-Building Measures in the Jordan River Watershed." Presented at the International Symposium on Water Resources in the Middle East: Policy and Institutional Aspects, University of Illinois at Urbana-Champaign, October 24-27, 1993.

MIDDLE EAST WATER FORUM (Sponsored by the International Water Resources Association and the United Nations): Forum participant. Cairo, Egypt, February 9-11, 1993.

FOREIGN SERVICE INSTITUTE, U.S. DEPARTMENT OF STATE: Seminar presentations -- "Historical Context of Middle East Water Conflict and Cooperation," "Cooperative Options for the Future," and "Confidence-Building Measures." Presented at seminars on Middle East Water, Foreign Service Institute, Department of State, Washington, DC, June 24-25, 1992, and April 1-2, 1993.

#### **Academic Presentations and Conference Proceedings:**

Wolf, A. "Transboundary Water Diplomacy and Scale: Lessons from Around the World." at the Annual Meeting of the American Association of Geographers, San Francisco, CA 2016. 1 April 2016.

- Petersen-Perlman, J., J. Veilleux, and A. Wolf. "Water Conflict and Cooperation: Lessons from Around the World." at the Workshop on "Water Politics and Regional Stability," National University of Singapore, 21-23 May 2015.
- Paisely, R. and A. Wolf, co-chairs, "Future of the Columbia River Treaty Dialogue Panel - Areas of Convergence & Divergence," at the meeting on, The Columbia River Basin: 2014 Conference. Spokane, WA, 21-23 October 2014.
- Wolf, A. "Introduction to Water Conflicts," At the meeting on, Addressing Water Scarcity and Conflicts in the Pacific Northwest: A Workshop for Issue Engagement. Silverton, OR, 3-5 March 2014.
- Wolf, A. "Water Diplomacy from a Four Worlds Perspective," and co-Master of Ceremony at "Theatre of the Absurd: Is There a Happy Ending to the Tragedy of the Commons," at World Water Week, Stockholm, Sweden, 1-7 September 2013.
- Wolf, A. "International Waters: Challenges and Opportunities." At a meeting on, "U.S., Iranian, and European Experience in Assessing and Managing Water Resources," co-sponsored by the US and French Academies of Science, Fondation des Treilles, France 4-8 March 2013.
- Wolf, Aaron and Dena Marshall. "Water Conflict Transformation in the Pacific Northwest and the World." At the Oregon Water Conference, Corvallis, OR, 24-25 May 2011.
- Pak, Mariya, Kim Ogren, and Aaron T. Wolf. "Water Conflict Management and the Bureau of Reclamation in the US West." At the Association of American Geographers Annual Meeting, Seattle, WA, 12-16 April 2011.
- Marshall, Dena and Aaron T. Wolf. "Water Conflict Management and Transformation." Presented at the Oregon Mediation Association Meeting, Portland, OR, 5-6 November 2010.
- Duncan, J., A. T. Wolf, L. DeStefano, S. Dinar, K. Stahl, M. Zentner. "Global Distribution of Transboundary Institutional Mechanisms for Accommodating the Effects of Climate Change." Presented at the Association of American Geographers Annual Meeting, Washington, DC, 14-18 April 2010.
- "Intra- and International Water Governance," presented at the Fifth Asian Regional Conference on Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation & Maintenance, New Delhi, India, 6-11 December 2009.
- AAG Departmental Leadership Workshop, Wilmington, NC, 9-11 July 2009.
- "Healing the Enlightenment Rift: Rationality, Spirituality, and Shared Waters," presented at, and published in the proceedings of, the IWRA XIII World Water Congress, Montpellier, France, 1-4 September 2008.
- MacQuarrie, P., L. de Silva, N. Eidem, M. V. Santelmann, A. T. Wolf. "An Integrated Program to Inform Water Policy and Conflict Management." Poster presented at the PNW: Moving Science into Policy and Action Conference, Stevenson, WA, 7-9 November 2007. Second Place Winner, Poster Competition.
- "'Hydrostrategic' Territory in The Jordan Basin: Water, War, and Arab-Israeli Peace Negotiations." Presented at the annual meeting of the Geological Society of America, Pardee Keynote Symposium: Middle Eastern Water Resources in Times of Crisis, Denver, CO, 30 October 2007.
- "Spiritual Transformation and Lessons for Water Negotiations." Presented at the Meeting of the Association of American Geographers, at a session co-organized (with Douglas Clark): Water Conflicts and Cooperation. San Francisco, CA, 17 April 2007.
- Panel Invitee: "A Vibrant Research Agenda for the Next 20 Years for Water Resource Geography," at the Meeting of the Association of American Geographers. San Francisco, CA, 17 April 2007.
- Puri, S., L. Gaines, A. Wolf, and T. Jarvis. "Lessons from Intensively Used Transboundary River Basin Agreements for Transboundary Aquifers." Presented (by Puri and Gaines) at, and published in the proceedings of, the

Symposium on Intensive Use of Groundwater: Challenges & Opportunities, Valencia, Spain, 10-14 December 2002.

- “International Waters: Identifying Basins at Risk.” with Meredith Giordano. presented at, and published in the proceedings of, the 97<sup>th</sup> Annual Meeting of the Association of “American Geographers, New York, New York, 27 February - 3 March 2001.
- “A Connection Between the Litani and the Jordan? Research and Implications across Hostile Borders.” presented at the special session on Groundwater and International Politics (session co-chair), National Groundwater Association Meeting on Groundwater: A Transboundary, Strategic, and Geopolitical Resource, Las Vegas, NV, 13-14 December 2000.
- “Shared River Systems of the Middle East: Implications for the Global Community.” presented at, and published in the proceedings of, the Stockholm Water Symposium, Stockholm, Sweden, 14-17 August 2000.
- “Water Dispute Resolution in the Middle East and Around the World.” presented at the Second World Water Forum, The Hague, Netherlands, 17-22 March 2000.
- “Water Disputes in the Middle East: Implications for the Future.” presented at the Xth World Water Congress, Melbourne, Australia, 12-17 March 2000.
- “Conflict and Cooperation over International Waters and Implications for the Middle East.” Presented at the Regional Conference of the International Water Resources Association on Water and Environmental Cooperation, Jerusalem, Israel 13-18 June, 1999.
- “Water and the Middle East Peace Talks.” Presented at a meeting on Palestinian-Israeli Relations: Challenging Misconceptions and Fostering Dialogue, Eugene, OR, 8 May, 1999.
- “Cooperation and Conflict in International River Basins.” Presented at the 1999 Public Interest Environmental Law Conference, Eugene, OR 4-7 March, 1999.
- “Indigenous/Traditional Methods of Water Dispute Resolution.” Presented at the American Water Resources National Meeting, Point Clear, AL, November 16-19, 1998.
- “Transboundary Waters of the Southeast US: The ACT-ACF.” Presented at the Annual Meeting of the Universities Council on Water Resources, Hood River, OR, August 5-7, 1998.
- “Models of Interstate Water Allocations in Theory and in Practice: The ACT/ACF Agreements as Applied Case Studies.” Special session organized and presented at the Alabama Water Resources Conference and Symposium, Gulf Shores, AL, April 13-15, 1998.
- “Conflict and Cooperation along International Waterways.” Presented at, and published in the proceedings of, the Fourth Annual Public Interest Environmental Conference (Vol. 2 #1, Spring 1998), Gainesville, FL, March 5-7, 1998.
- “Hydrostrategic' Territory in the Jordan Basin.” Presented at, and published in the proceedings of, a conference on Transformations of Middle Eastern Natural Environments, Yale University, New Haven, CT, October 30-31, 1997.
- “Conflict: Berber and Bedouin Water Conflict Resolution.” Presented at the 17th Annual Meeting of the International Association for Impact Assessment, New Orleans, LA, May 28-31, 1997.
- “Berber and Bedouin Water Management and Implications for the International Community.” Presented at, and published in the proceedings of, the Association of American Geographers Meeting, Fort Worth, TX, April 1-5, 1997.
- “International Water Conflicts and Conflict Resolution.” Presented in a special session on, “Environmental Security: Integrated Regional Stability,” at the annual meeting of the American Association for the Advancement of Science, Seattle, Wash., February 13-18, 1997.



- “International Water Dispute Resolution in the Middle East.” Presented at the 28th International Geographical Congress, The Hague, Netherlands, August 4-10, 1996.
- “‘Hydrostrategic’ Territory in the Jordan Basin.” Presented at, and published in the proceedings of, the Association of American Geographers Annual Meeting, Charlotte, NC, April 9-13, 1996.
- Kaufman, E., J. Oppenheimer, A. Wolf, and A. Dinar. “Transboundary Fresh Water Disputes and Conflict Resolution: Planning an Integrated Approach;” and, A. Wolf. “‘Hydrostrategic’ Territory in the Jordan Basin.” Presented at the conference -- Water: A Trigger for Conflict/A Reason for Cooperation, Bloomington, IN, March 7-10, 1996.
- Morgan, N., V. Tinnon, and A. Wolf. “Conflict on the Chattahoochee: Lessons from International Waters and Mock Negotiations.” Presented at, and published in the proceedings of, the Alabama Water Resources Conference, Gulf Shores, AL, September 6-8, 1995; and the conference of the Southeast Division of Association of American Geographers, Knoxville, TN, November 19-21, 1995.
- “The Dead Sea Region in Crisis.” Presented at the United Nations University Central Eurasian Water Forum, Tokyo, Japan, March 27, 1995; and at the Lake Biwa Institute, Kusatsu, Japan, March 28, 1995.
- “International Water Conflict Resolution in Southeast Asia and the Middle East.” Presented at, and published in the proceedings of, the Association of American Geographers Meeting, Chicago, IL, March 14-18, 1995.
- Wolf, A. and M. Murakami. “Techno-political Decision-making for Water Resources Development: The Jordan River Watershed.” Presented at, and published in the proceedings of, the VIIIth International Water Resources Association World Congress, Cairo, Egypt, November 21-25, 1994.
- “Rural Nonpoint Source Pollution Control in Wisconsin: The Limits of a Voluntary Program?” Presented at, and published in the proceedings of, the Alabama Water Resources Conference and Symposium, Gulf Shores, AL, August 31-September 2, 1994.
- “Assessment of Rural NPS Pollution Control in Wisconsin and Implications for Integrated Watershed Management.” Presented at, and published in the proceedings of, the American Water Resources Association Symposium on Responses to Changing Multiple-Use Demands, Nashville, TN, April 17-24, 1994.
- “A History of Water Conflict and Cooperation in the Jordan River Watershed and Implications for Current Negotiations.” Presented at, and published in the proceedings of, the Association of American Geographers Annual Meeting, San Francisco, CA, March 29-April 2, 1994.
- “Conflict and Cooperation along the Jordan River.” Presented at the Alabama Water Resources Conference and Symposium, Gulf Shores, AL, September, 1993.
- “A Hydropolitical History of the Nile, Jordan, and Euphrates River Basins.” Presented at the Middle East Water Forum, Cairo, Egypt, February 9-11, 1993.
- “Hydropolitical Considerations in Sharing Scarce Fresh Water Resources.” Presented at the European Science Foundation Conference on Sharing Scarce Fresh Water Resources in the Mediterranean Basin: An Economic Perspective, Padova, Italy, April 23-24, 1992.

## **GRANT ACTIVITY**

- “Enhancing Collaborative Competency for Managing Water in the West (continuation).” US Bureau of Reclamation. February 2014, six months.
- “Development and Presentation of a Training Module.” Mekong River Commission. April 2013, six months.
- “Transboundary Waters Assessment Program.” January 2013, two years.
- “Conduct an Analysis of US and Regional Transboundary Water Cooperation.” DAI/USAID. September 2012, six months.
- “Enhancing Geographic Education.” Oregon Community Foundation. February 2012, one year.
- Co-PI with partners from UNESCO-IHE and ICIWaRM. “Establishing a collaborative knowledge sub-network to improve groundwater resources management in the Middle East and North Africa.” US Agency for International Development. September 2011, three years.
- “Enhancing the Institutional Capacity of Managing Water in the West.” US Bureau of Reclamation. September 2010, four years.
- “Furthering IWMI-OSU Cooperation on Transboundary Water Research.” International Water Management Institute. October 2009, six months.
- “Institutional Solutions for Water Conflict Management.” US Bureau of Reclamation. September 2009, three months.
- Tilt, B., D. Tullos, and A. Wolf. “Dams and Development: Ecological, Socioeconomic, and Policy Dimensions.” USDI-IWW. May 2009, six months.
- “Water Anchor: Adaptation to Climate Change in the Water Sector.” The World Bank. December 2008, six months.
- Campana, M., A. Wolf, and B. Steele. “Blue Revolution Initiative: Regional Water Governance Benchmarking in the Middle East North Africa Region.” US Agency for International Development. September 2008, two years.
- “A Seminar – The Geography, Geology and Hydropolitics of Israel and Palestine.” L.L. Stewart Faculty Development Award. October 2008, nine months.
- Tullos, Desiree (PI); co-PIs: Philip H. Brown (Colby College); Darrin Magee (Hobart and William Smith Colleges); Bryan Tilt (Oregon State University); and Aaron Wolf (Oregon State University). “Interdisciplinary Research and Methods for Assessing Dams as Agents of Change in China.” National Science Foundation. August 2008, three years.
- Lach, D. and A. Wolf. “Sharing Water, Building Relations: Managing and Transforming Water Disputes in the US West.” US Geological Survey and the OSU Institute for Water and Watersheds. February 2008, one year.
- Dinar, A. and A. Wolf. “The Long Term Sustainability of Hydropower-Based Energy Generation Transboundary Agreements Within Changing Climate Scenarios.” The World Bank. September 2007, two years.
- Tullos, D., B. Tilt, and A. Wolf. “Evaluating the Effects of Dams on Social Dynamics.” National Science Foundation, Human and Social Dynamics Directorate.” August 2006, two years.
- Lach, D. and A. Wolf. “Building Capacity to Manage Conflict and Change through Oregon’s Water Governance Structures.” US Geological Survey and the OSU Institute for Water and Watersheds. February 2006, two years.
- “Beyond Fish vs. Farmers: Conflict Management and Resolution in Transboundary River Basins.” General Service Foundation. September 2005, three year.

“Western Water Basins at Risk: Upper Colorado Region.” US Bureau of Reclamation. March 2005, three years.

“Hydropolitical Vulnerability: Regional Reports for Africa, Latin America, Europe, Asia, and North America” United Nations Environment Program, July 2004, four years.

“Basin Level Datasets for Anticipating Future Water Scarcity and Conflict in Oregon.” US Geological Survey. March 2004, one year.

“Development of a Transboundary Waters Education Program.” United Nations Development Program. December 2003, 15 months.

“GIS and Oregon Employment.” Oregon Department of Community Colleges and Workforce Development. January 2004, three months.

“Capacity-building for Basins At Risk.” United Nations Environment Program. October 2003, three months.

P. Gleick and A. Wolf. “Hydrodiplomacy II: Education and Capacity-Building to Prevent Water Conflicts in the 21st Century.” Carnegie Corporation, Oregon State University. May 2003, twenty months.

“Hydrodiplomacy: Developing a Web-Based GIS and an International Curriculum.” UNESCO. May 2002, seven months.

“Environmental Conflict Resolution: A Review.” International Resources Group, Ltd. May 2002, two months.

“Remote Collaborations: Lateral Learning in Transboundary Water Conflicts.” US Geological Survey/Center for Water and Environmental Sustainability, Oregon State University. February 2002, eight months.

P. Gleick and A. Wolf. “Hydrodiplomacy: Preventing Water Conflicts in the 21<sup>st</sup> Century.” Carnegie Corporation, Oregon State University. June 2001, eighteen months.

“Virtual Atlas of Transboundary Waters.” UN Environment Programme, Oregon State University. March 2001, one year.

“Transboundary Waters: Interstate Waters, Interstate Compacts.” US Geological Survey/Oregon Water Resources Research Institute, Oregon State University. March 2001, one year.

“Basins at Risk: Internal Pressures and International Manifestations.” Isciencs LLC. January 2001, one year.

“Cooperative Monitoring for Regional Stability and Confidence Building in the Caucasus.” Sandia National Laboratories, Cooperative Monitoring Center. October 2000, one year.

“Emergent Computation.” MITRE Corporation. April 2000, six months.

Faculty Release Time Award. Oregon State University Research Office. Fall 2000, one quarter.

“International Waters: Basins at Risk.” DCI Environment Center. September 1999, 15 months.

Travel Grant to attend the 7th International Conference of the Israeli Society for Ecology and Environment on "Environmental Challenges for the Next Millennium." Jerusalem, Israel, June 1999. OSU International Programs Office.

Lonergan, S. and A. Wolf. “Transboundary Integrated Basin Management: The Salween River.” United Nations University. February 1999, nine months.

Bryan, H. and A. Wolf. “Tri-State Water Negotiations: The ACT-ACF.” Office of Water Resources, Alabama Department of Economic and Community Affairs. June 1998, six months.

Wolf, A., H. Bryan, J. Jordan, F. Casey. “Models of Interstate Water Allocations in Theory and in Practice: The ACT-ACF Agreements as Applied Case Studies.” US Geological Survey, WRRP Program; Universities of Alabama, Georgia, and Florida. December 1997, 18 months.

- “An Investigation in Diplomacy: Lessons Learned from Process, Indigenous Peoples, and Water Conflict Resolution.” United States Institute of Peace and the University of Alabama. May 1996, two years.
- “Water Conflict Resolution in the High Atlas Mountains.” Research Grants Committee, University of Alabama. Summer 1996, one month.
- Travel Grant to attend 28th International Geographical Congress, Netherlands, August 1996. National Research Council, Commission on Geosciences, Environment, and Resources.
- Ward, A., B. Lyons, and A. Wolf. Course development grant for an interdisciplinary course in freshwater studies. Teaching Grants Committee, University of Alabama, Fall 1996.
- Dinar, A., E. Kaufman, J. Oppenheimer, and A. Wolf. “International Fresh Water Disputes and Conflict Resolution - An Integrated Approach.” The World Bank. December 1995, six months.
- Davis, B. (PI) and A. Wolf (Invest.). “Rural Nonpoint Source Pollution Control in Wisconsin: A Study of Lessons Learned.” U.S. Environmental Protection Agency. August 1994, one year.
- Wimberly, P. (PI) and A. Wolf (Supervisor). “A GIS for Weeks Bay National Estuarine Reserve.” Weeks Bay National Estuarine Reserve. May 1994, three months.
- Davis, B. (PI) and A. Wolf (Invest.). “Rural Nonpoint Source Pollution Control in Wisconsin and Implications for Reauthorization of the Federal Clean Water Act.” U.S. Environmental Protection Agency. August 1993, one year.
- “The Impact of Scarce Water Resources on the Arab-Israeli Conflict.” United States Institute of Peace. Fall 1991, one year.
- Ross, J. (PI) and A. Wolf (Invest.). “Watershed Development and Management in the Jordan River Watershed, and its Impact on Arab-Israeli Relations.” Graduate School, University of Wisconsin-Madison. Spring 1990, three years.

## SERVICE

### **International and National:**

FOUNDING MEMBER, Environmental Peacebuilding Academy September 2014 to Present

EDITORIAL BOARD, *World Water Policy* March 2008 to 2010  
ASSOCIATE EDITOR, *World Water Policy* December 1997 to March 2008

EDITORIAL BOARD, *Water International* April 1998 to 2006  
ASSOCIATE EDITOR, *Water International* May 1995 to January 1999

EDITORIAL ADVISORY BOARD, *International Journal of Water* January 2000 to Present

MEMBER, SERIES ADVISORY COMMITTEE, "Issues in Water Resource Policy" Series  
*Resources for the Future Press (Ariel Dinar, ed.)* May 2003 to Present

MEMBER, ADVISORY PANEL, University of British Columbia and the Global Environment Facility, GEF  
International Waters Initiative. June 2008 to Present

MEMBER, RESEARCH ADVISORY GROUP, UNESCO Centre for Water Law, Policy, and Science, University  
of Dundee, Scotland. September 2008 to Present

MEMBER, SCIENTIFIC COMMITTEE, Water Institutions and Management National Case Studies and Technical  
Papers. Water Institutions and Management Competence Centre, Ecole Polytechnique Fédérale de  
Lausanne, Switzerland. June 2003 to Present

MEMBER, ADVISORY COUNCIL, International Water Academy May 2003-Present

ASSOCIATE EDITOR for Social and Political Science,  
*Journal of the American Water Resources Association* May 1996 to March 2002

GUEST EDITOR (with Lisa Gaines and Eran Feitelson), Special Issue of *Water International*:  
"International Aquifers." (Vol. 28 #2) June 2003

GUEST EDITOR, Special Issue of *World Water Policy*:  
"Management of Shared River Basins." (Vol. 2 #2) December 2000

GUEST EDITOR, Special Issue of *International Journal of Water Resources Development*:  
"International Waters." (Vol. 15 #4) December 1999

MEMBER, International Scientific Committee September 2001 to 2003  
XIth World Water Congress (October 2003), Madrid, Spain

SCIENCE ADVISOR, Lakenet June 2002 to Present

MEMBER, International Scientific Committee February 2000 to Present  
Arava Institute for Environmental Studies, Israel

MEMBER, Working Unit, Green Cross International April 2000 to Present

MEMBER, Workshop Planning Committee: "Uses of Remote Sensing in International Environmental Agreements."  
Center for International Earth Science Information Network, Columbia University.  
July 1999 to September 2000

CHAIR-ELECT, Awards Committee, International Water Resources Association January 2001 to October 2003  
MEMBER, Standing Awards Committee, International Water Resources Association October 1998 to January 2000

MEMBER, International Affairs Committee, American Water Resources Association January 1998 to Present  
MEMBER, Conference Organizing Committee and Local Arrangements Committee,

DELEGATE, Universities Council on Water Resources Fall 1999 to Present

FOUNDING MEMBER, Middle East Water Information Network April 1994 to Present

DIRECTOR, Water Resources Specialty Group, American Association of Geographers March 1995 to April 1997

MEMBER, International Scientific Committee, International Symposium on Water Resources in the Middle East: Policy and Institutional Aspects January-October, 1993

REVIEWER: *Water Policy* (Assoc. Editor, 1997-Present); *Water International* (Assoc. Editor, 1995-1999; Editorial Board, 1998-Present); *Journal of the American Water Resources Association* (Assoc. Editor, 1996-Present); *Journal of Peace Research* (1999); *Int'l Journal of Middle East Studies* (1999); NATO CCMS (1999); *Journal of Environment and Development* (1998); *Natural Resources Forum* (2001, 1996); *Natural Resources Journal* (1996); MacArthur Foundation (1998); National Science Foundation (1997); US Institute of Peace (1996-98); RAND Corp. (1996); Social Sciences and Humanities Research Council of Canada (1996); US National Security Council (1995); State of Idaho (1995, 1996); Saunders Pub. (1995).

### Local and State

MEMBER, Oregon Water Summit Planning Committee 2014 to 2016

MEMBER, Corvallis Watershed Management Advisory Commission 2008 to 2009

### Oregon State University:

CHAIR, Geography Graduate Admissions Committee 2018

MEMBER, CEOAS External Awards Committee 2017-Present

MEMBER, CEOAS Development and Alumni Relations Committee 2015-Present

MEMBER, CEOAS Institutional Post-Doc Researcher Search Committee 2015-2017

CHAIR, Geography Seminar Series and Marston Speaker Committee 2015-Present

MEMBER, Geography Graduate Admissions Committee 2015-2017

MEMBER, OSU Water Resources Task Force 2015-Present

MEMBER, Oregon State ADVANCE Education Committee 2015-2016

MEMBER, Spirit Life @ OSU 2010-Present

MEMBER, CEOAS Strategic Planning and Hiring Committee 2014 to Present

MEMBER, Task Force on CEOAS Position Descriptions 2015 to 2016

CHAIR, Geospatial Intelligence & Planning Initiative Hiring Committee 2014-2015

MEMBER, CEOAS Alumni Relations Committee 2013 to 2014

CO-CHAIR, Associate Dean for Academic Programs Search Committee 2012

CO-CHAIR, CEOAS Instructional Programs Committee 2011-2012

MEMBER, CEOAS College Advisory Committee 2011-2012

MEMBER, Board of Advisors, Environmental Humanities Initiative 2011 to Present

FACULTY ADVISOR, Mediators Beyond Borders	2011 to Present
MEMBER, College of Science Reorganization Steering Committee	2009 to 2012
MEMBER, Water Resources Graduate Program Director Search Committee	2008
MEMBER, Institute for Water & Watersheds Executive Committee	2006 to Present
MEMBER, Water Resources Graduate Program Steering Committee	2006 to Present
MEMBER, Advisory Committee, Aquaculture and Fisheries CRSP	2006 to Present
MEMBER, Dept. of Geosciences Graduate Committee	1999 to 2006; 2007 to 2009
MEMBER, Dept. of Geosciences Alumni Relations Committee	2007 to 2009
CHAIR, Dept. of Geosciences Long Range Planning Committee	2007 to 2010
CHAIR, Dept. of Geosciences Promotion and Tenure Committee	2006 to 2007
MEMBER, Dept. of Geosciences Advisory Committee	2000 to 2002
MEMBER, Dept. of Geosciences Curriculum Committee	1999 to 2000
MEMBER, Water Resources Steering Committee	August 1998 to 2004
MEMBER, Willamette River Key Issues Team	August 1998 to 2004
CO-CHAIR, Winter Seminar, "Formulating Policy for an Uncertain Earth."	Winter 2004

**University of Alabama:**

STEERING COMMITTEE, Center for Freshwater Studies	November 1995 to August 1998
FACULTY ADVISOR	
Cahaba-Warrior Chapter of the American Water Resources Association	October 1996 to August 1998
Alabama Whitewater Boaters, U. of Alabama	October 1993 to August 1998
MEMBER, Advisory Committee, State of Alabama Water Sourcebook (Grades 9-12)	January 1994 to August 1997

**UNIVERSITY COURSES TAUGHT**

Undergraduate:	Introduction to Physical Geography (attendance: 180)
	Introduction to Soils and Landforms
	Introduction to Water Science and Policy (co-taught by Geosciences and Crop and Soil Sciences)
	Freshwater Studies (co-taught by Geography, Geology, and Biology)
	Geopolitics of the Middle East
Dual-level (graduate and undergraduate):	Water Resources Science
	Water Resources Policy and Management
	Environmental Decision-making
	Geography of Resource Use
Graduate seminars:	International Water Issues
	Natural Resources Policy
	Transboundary Resource Conflict Resolution (co-taught)

**FACILITATIONS AND PROFESSIONAL TRAINING COURSES**

Skills-Building Workshop: “Intensive Course in Conflict Transformation.” Univesidad Complutense de Madrid & Botin Foundation, Madrid, Spain, 1-2 March 2018

Skills-Building Workshop: “The Spirit of Dialogue: Lessons from Faith Traditions in Transforming Water Conflict.” For mediators and facilitators at the International Centre for Water Cooperation, Stockholm, Sweden, 29 January 2018

Skills-Building Workshop: “Jewish Paths through Difficult Conversations.” Beit Am Shabbaton, Salem, OR 28 May 2017.

Moderator: “Is Science Enough?” Veritas Forum, Oregon State University, Corvallis, OR, 26 April 2017

Skills-Building Course: “Designing and Implementing Conflict Resolution Processes.” UNESCO-IHE and UNESCO PCCP, Delft, Netherlands, 13-17 March 2017.

Skills-Building Workshop and Facilitation: Conflict Management Components of “Training and Capacity Development in Preventive Diplomacy for Transboundary Water Management With a Focus on Central Asia, Phase II.” Hosted by UNESCO-IHE Institute for Water Education and Rotary International, Delft, The Netherlands, 12-16 December 2016.

Facilitation: “Regional Workshop on Water Diplomacy in the Mekong River Basin.” Mekong River Commission, Vientiane, Lao PDR 29-30 November 2016.

Capacity-Building Workshop (with Claudia Sadoff, Christina Leb, and Glen Hearn): “Negotiating Transboundary Waters: Finding Solutions.” Afghanistan Inter-Ministerial Group on Transboundary Waters, Ministry of Energy and Water, with World Bank support, Kabul, Afghanistan, 21-25 August 2016.

Training (with Kathie Dello and Gordon Grant): “Oregon's Present and Future Water Resources: Climate, Conflict, and Cooperation,” at the 8<sup>th</sup> Annual CONNECT Conference, Gleneden Beach, OR, 20 April 2016.

Training: “Water Conflict Management & Transformation.” Pacific Northwest Water Research Symposium, Corvallis, OR, 18 April 2016.

Moderator: “Does Science End Religious Belief?” Veritas Forum, Oregon State University, Corvallis, OR, 13 April 2016.

Professional Skills Development Workshop: “Preventing and Resolving Water Conflicts.” NW Institute for Dispute Resolution, University of Idaho, Moscow, ID, 25-26 March 2016.

Facilitator, Kazakhstan-Uzbekistan Dialog, convened by the World Bank. Almaty, Kazakhstan, 26-28 January 2016.

Training Seminar (co-taught with Stefano Burchi, Gabriel Eckstein, and Zaki Shubber): “Legal and Institutional Aspects of Water Governance: from the International to the Domestic Perspective,” Co-sponsored by the Ministry of Foreign Affairs of Uzbekistan, UNESCO-IHP, and the International Fund for the Aral Sea. Tashkent, Uzbekistan, 6-9 July 2015.

Capacity-Building Workshop: “Transboundary Waters of Afghanistan.” Co-sponsored by the Governments of Afghanistan and the United States, Kabul, Afghanistan, 28 June – 1 July, 2015.

Skills Development Workshop (co-offered with Kim Ogren): “Facilitation & Conflict Management,” Mediators Beyond Borders, Oregon State University, 29 May 2015.

Session Facilitation: “Sharing Benefits of Transboundary Waters Across Sectors and Countries,” convened by the Global Environment Facility, UNECE Water Convention, UNESCO-IHP; and “Shared Vision and Framework for Action for Groundwater Governance,” convened by the World Bank, FAO, and UNESCO-IHP. 7<sup>th</sup> World Water Forum, Daegu, South Korea, 12-17 April 2015.

Technical Expert/Facilitation: “Room 5: War or Peace?” The UNESCO-WWAP Water Rooms Write-Shop in preparation for Expo 2015, Perugia, Italy, 21-23 January 2015.



Skills-Building Workshop (co-taught with Tara Goleman, Daniel Goleman , and Bob Sadowski): “Chemistry of Connection - Individual and Collective.” Garrison Institute, Garrison, NY 21-23 November 2014.

Workshop Facilitation: “Water Resilience in a Time of Uncertainty: How can our water laws and policies better support water resilience?” University of New Mexico School of Law, Albuquerque, NM 9-10 October 2014.

Skills-Building Workshop and Facilitation: Conflict Management Components of “Training and Capacity Development in Preventive Diplomacy for Transboundary Water Management With a Focus on Central Asia.” Hosted by UNESCO-IHE Institute for Water Education and Rotary International, Delft, The Netherlands, 29 September to 1 October 2014.

Train-the-Trainers Workshop (planned, taught): Transboundary Cooperation and Hydropower Development for the Mekong Basin. Sponsored by GIZ. Vientiane, Lao PDR, 22-24 July 2014.

Skills-Building Workshop (planned, taught and facilitated): Conflict Management and Negotiation Skills for the Permanent Okavango River Basin Water Commission (OKACOM). Hosted by OKACOM and USAID. Gaborone, Botswana, 17-19 March 2014.

Workshop (co-designed, with Bill Jaeger and Adell Amos, and co-facilitated, with John Braden): “Addressing Water Scarcity and Conflicts in the Pacific Northwest: A Workshop for Issue Engagement.” Silverton, OR, 3-5 March 2014.

Skills-Building Course: “Water Conflict Management & Transformation.” US Bureau of Reclamation Leadership Teams:

- Grand Junction, CO, 18-21 February 2014 (two and four day versions)
- Albuquerque, NM, 9-12 September 2013 (two and four day versions, with Dena Marshall)
- Provo, UT, 5-8 August 2013 (two and four day versions)
- Boulder City, NV, 23-27 July 2012 (two and five day versions, with Dena Marshall)
- Salt Lake City, UT, 16-20 July, 2012 (two and five day versions, with Kim Ogren)
- Boise, ID, 22-23 June, 2011
- Sacramento, CA, 25-26 April 2011
- Albuquerque, NM, 21-22 December 2009 (with Collaborative Program stakeholders)
- Billings, MT, 23-24 November 2009
- Bismarck, ND, 16-17 September 2008
- Phoenix, AZ, 10-11 September 2008 (with Julia Doermann)
- Salt Lake City, UT, 8-9 July 2008

Skills-Building Course (co-planned, co-taught, and co-authored training manual): “Effective Negotiation for International Transboundary Waters,” with Rejani Kunjappan and Todd Jarvis. Sponsored by the Mekong River Commission for members of four MRC countries, Vang Vieng, Lao PDR, 11-13 December 2013.

Skills-Building Course (co-planned, facilitated and co-taught): “Transboundary Water Capacity-Building,” with Claudia Sadoff, Christina Leb, and Astrid Hillers. Sponsored by the World Bank for the Government of South Sudan, Juba, South Sudan, 18-22 November 2013.

Skills-Building Course: “Train the Trainers: Transboundary Hydropower Development in the Mekong Basin,” with Diana Nenz. Sponsored by GIZ, Bangkok, Thailand, 14-16 October 2013.

Skills-Building Course: “Capacity Building on the Cooperation of Transboundary Rivers: International Law and Negotiation Skills,” with David Grey and Stephen McCaffrey. Sponsored by the China Ministry of Water Resources and Tsinghua University, Beijing, China, 7-9 May 2013.

Skills-Building Course: “Designing and Implementing Conflict Resolution Processes.” UNESCO-IHE and UNESCO PCCP, Delft, Netherlands, 11-15 March 2013.

Training Workshop (facilitated): “The Governance of Hydropower in Transboundary River Basins – International Experiences.” Mekong River Commission and GIZ, Bangkok, Thailand, 20-21 November 2012.

Workshop (co-planned, co-facilitated): “The 4th Annual Symposium on Transboundary River Governance in the Face of Uncertainty: The Columbia River Treaty, 2014.” Polson, MT, 10-12 October 2012.

Skills-Building Training: “Transformative Listening and Facilitation.” Fellowship of Reconciliation PNW Conference: Living The Dream of Justice & Peace. Seabeck, WA, 29 June-2 July 2012.

Conference co-facilitator (with Torkil Jønch Clausen, lead, and Kurt Mørck Jensen and Jeremy Bird): “Mekong2Rio: International Conference on Transboundary River Basin Management.” Phuket, Thailand, 1-3 May 2012.

Skills-Building Course: “Designing and Implementing Conflict Resolution Processes.” UNESCO-IHE and UNESCO PCCP, Delft, Netherlands, 12-16 March 2012.

Skills-Building Workshop: Mini-course and site visit for regional representatives of the African Ministerial Conference on Water. Portland and Corvallis, OR, 12-13 October 2011.

Workshop (co-planned, co-facilitated): “The 3rd Annual Symposium on Transboundary River Governance in the Face of Uncertainty: The Columbia River Treaty, 2014.” Cranbrook, BC, 3-4 October 2011.

Workshop (co-planned, co-facilitated): “Dams and Sustainability in China.” Woodrow Wilson Center, 27 July 2011.

Skills-Building Course: “Designing and Implementing Conflict Resolution Processes.” UNESCO-IHE and UNESCO PCCP, Delft, Netherlands, 7-11 March 2011.

Facilitation: 5<sup>th</sup> Abu Dhabi Group for Himalayan Dialogue. The World Bank. Bangkok, Thailand, 15-16 December 2010.

Workshop (co-planned, co-facilitated): “The 2nd Annual Symposium on Transboundary River Governance in the Face of Uncertainty: The Columbia River Treaty, 2014.” Corvallis, OR, 7-9 November 2010.

Skills-Building Course (co-designed and co-taught with Dr. Vitoon Viriyasakultorn): “Skills for Mediation/Facilitation for Transboundary Water Resources Conflict Management.” Mekong River Commission, Bang Saen, Thailand, 23-25 June 2010.

Skills-Building Course (invited co-instructor): “Negotiation Skills for the Anticipation, Prevention and Resolution of Water Conflicts.” UNESCO-IHE and UNESCO PCCP, Delft, Netherlands, 9-10 March 2010.

Workshop (planned and co-facilitated): “Water Diplomacy: Sharing waters, Sharing Benefits.” Arab Water Academy, Abu Dhabi, UAE, 11-13 October 2009.

Workshop (co-planned and co-facilitated): “Survey of Dam Related Impacts,” co-hosted project between OSU and Yunnan University, Kunming, China 27-28 July 2009.

Course session with mock negotiations (co-taught with Aaron Salzberg): “Transboundary Water and U.S. Foreign Policy,” at a US Foreign Service Course for Environment, Science and Technology and Health Officers, Arlington, VA, 23 June 2009.

Workshop (co-planned): “Transboundary River Governance in the Face of Uncertainty: The Columbia River Treaty, 2014.” Coeur d’Alene, Idaho. 2-4 April 2009.

Facilitation (planned, co-facilitated): “Regional Forum on the MRC Climate Change and Adaptation Initiative.” Mekong River Commission Environment Program. 2-3 February 2009.

Regional Training Course (co-designed and co-taught with Dr. Vitoon Viriyasakultorn and Dr. Jerome Delli Priscoli): “Transboundary Waters Conflict Prevention and Management.” USAID and the Mekong River Commission.

- Bangkok, Thailand, 29-30 May 2008
- Vientiane, Lao PDR, 29-30 September 2008

Facilitation: “Creating a Better Understanding for Addressing Transboundary Impacts in the Lower Mekong Basin.” Mekong River Commission. Vientiane, Lao PDR, 27-28 February 2008.

Training Session: “Water Conflict Management & Transformation.” US Bureau of Reclamation: Workshop on Institutional Solutions for Water Resource Conflicts: A Forum for Reclamation Managers. Salt Lake City, UT, 26 September 2007.

Co-facilitation (with Dr. Vitoon Viriyasakultorn and Doug Sarno): “Promoting Regional Cooperation in the Mekong River Basin.” USAID and the Mekong River Commission. Vientiane, Lao PDR (for MRC Secretariat) 22-23 August 2007.

Workshop (co-facilitated): Abu Dhabi Group for Himalayan Dialogue. The World Bank. Bangkok, Thailand, 1-3 July 2007.

Co-facilitation (with Dr. Vitoon Viriyasakultorn and Doug Sarno): “Promoting Regional Cooperation in the Mekong River Basin.” USAID and the Mekong River Commission. Vientiane, Lao PDR (for MRC Secretariat) 30-31 May 2007.

Co-facilitation (with Dr. Vitoon Viriyasakultorn): “Addressing Differences and Disputes: Mekong River Commission Secretariat Brainstorming Meeting.” Vientiane, Lao PDR, 6 February 2007.

Skill-Building Workshop (designed and taught): “Sharing Water, Sharing Benefits: Managing and Transforming Water Disputes.” Tufts University (students and faculty). Boston, Mass., 8 December 2006.

Skills-Building Workshop (co-taught): “Promoting Regional Cooperation in the Mekong River Basin.” USAID and the Mekong River Commission. Vientiane, Lao PDR (for MRC Secretariat) 3 June 2006 and Udon Thani, Thailand (for delegations from four member countries) 5-6 June 2006.

Facilitation: “UNESCO IHP Brainstorming Meeting: From Potential Conflict to Cooperation Potential (PCCP) in South and Southeast Asia.” Asian Institute of Technology, Bangkok, Thailand 21 April 2006.

Practicum (designed and taught): “Water Conflicts and Spiritual Transformation: Lessons for the Mediator.” The Dialog Group (of Arab and Israeli facilitators/mediators), Haifa, Israel, 17 June 2005.

Workshop (co-planned and co-directed): “Water Conflicts and Spiritual Transformation: A Dialogue.” Oregon State University, Pacific Institute, International Water Academy, and the Pontifical Academy of Sciences. Vatican City, 13-15 October 2004.

Workshop (co-planned and co-directed): “International Water Funding Dialogue.” Oregon State University, Pacific Institute, and Universidad Nacional. Nicoya, Costa Rica, 9-11 June 2004.

Training course (co-organized and co-taught): “Mesoamerican Workshop on the Governance of Transboundary Water Basins.” Universidad Nacional, the Pacific Institute, and the Universities Partnership for Transboundary Waters, Nicoya, Costa Rica, 7-9 June 2004.

Practicum (designed and taught): “Practicum in Water Conflict Resolution: Lessons from Around the World.” US Bureau of Reclamation Management Workshop, Fort Collins, Colo. 4-6 November 2003.

Training course (designed and taught): “Water Resources Negotiations and Conflict Resolution.” National Water Commission of Mexico (for 70 watershed managers), Mexico City, Mexico, 25-29 August 2003.

Training course (co-organized and co-taught): “Stakeholder Participation in International River Basins: Models, Successes, and Failures.” Oregon State University and the Pacific Institute, Corvallis, OR, 14-16 April 2003.

Training course (co-taught): “International Waters: Shared Waters, Shared Future.” The World Bank Institute, Washington, DC, 24-27 February 2003.

Training course/seminar (co-organized, facilitated, co-taught): “Transboundary Water Issues in the South Caucasus.” US Agency for International Development, Organization for Security and Cooperation in Europe, Pacific Institute and Oregon State University, Tbilisi, Georgia, 6-8 November, 2002.

Training course/visioning exercise (co-taught): “The Niger Basin Visioning Workshop.” Niger Basin Authority and the World Bank International Waters Window, Abidjan, Côte d’Ivoire, 16-20 September 2002.

Side Meeting on River Monitoring (co-facilitated): “River Monitoring in Armenia, Azerbaijan, and Georgia.” OSCE Tenth Economic Forum, Prague, Czech Republic, 31 May 2002.

Initial planning meeting (directed/co-facilitated): “Universities Partnership for Transboundary Waters – Development of an Agenda.” Oregon State University, Corvallis, OR, 13-17 May 2002.

Training course (co-taught): “International Waters: From Threats to Opportunity.” The World Bank Institute, Washington, DC, 26-28 February 2001.

Workshop (planned and co-directed): “Fire and Water: A Dialog Between the Realms of Arms Control and Transboundary Water Management.” Oregon State University, Pacific Institute, and Sandia National Lab. Albuquerque, New Mexico, 23-24 October 2001.

Facilitation: “Workshop on Southern African Waters.” United Nations University. Johannesburg, South Africa, 25-26 November 2000.

Workshop (planned and directed): “Transboundary Waters: The Salween Basin.” United Nations University and the International Water Resources Association. Chiang Mai, Thailand, 13-16 September 1999.

Training course (co-taught): “Management of Transboundary Water Resources.” US Agency for International Development and Southern Africa Development Community. Harare, Zimbabwe, 26-30 July 1999.

Facilitation: Hurricane Creek (Alabama) Stakeholders Meetings, Birmingham, AL, April and May 1998.

Training course (co-taught): “Integrated Decision Making: Building a Quality Community for the 21<sup>st</sup> Century.” Chamber of Commerce of West Alabama, July 1997.

Training course (co-taught): “Water Resources Dispute Resolution.” Annual Meeting of the International Association of Impact Assessment, New Orleans, LA, May 26-27, 1997.

### **STUDENT RESEARCH DIRECTED**

#### **Undergraduate theses directed:**

Parks, Nella (2007). “The Distribution and Flow of Foreign Aid to Water Cooperation Projects in International Basins.” University Honors College Thesis. Honors College Poster Prize Winner.

#### **Master’s degrees directed to completion:**

Eroglu, Duygu (2018, anticipated).

Splichalova, Dacotah (2017). “Navigating Cultural Currents: The Sixaola River Basin Story.”

Woge, Tsion (2017). “Indigenous Approaches to Water Conflict Negotiation: the Anuak and their Approaches to Water Conflict Negotiation.”

Welch, Christina (2017). “What Lies Below: Options to Improve Sustainable Management of U.S./Mexico Transboundary Aquifers.”

Altinogoz, Mehmet (2017). “Investigating Management of Transboundary Basins between Sovereign Countries and Non- Sovereign Entities.”

- Winograd, Scott (2017). "The Benefits and Burdens of Flood Control Policy in the United States on Humans and Ecosystems."
- Timboe, Ingrid (2016). "Assessing the Current State of Transboundary Cooperation in the International Columbia River Basin."
- Zavareh, Sahar (2015). "Detroit Water Crisis News Media Discourse Analysis."  
Delson Bridge to the Future Fund Award, 2015
- Ogren, Kim (2012). "Analysis of the Incentives and Disincentives for Conflict Prevention and Mitigation in the US Bureau of Reclamation's Water Management."  
6<sup>th</sup> World Water Forum Emerging Academic Scholar.  
Best Student Poster at the 2011 Oregon Water Conference.
- Watson, Julie Elkins (2012). "A River Loved: Facilitating Cooperative Negotiation of Transboundary Water Resource Management in the Columbia River Basin through Documentary Film."
- Rancier, Racquel (2012). Assessing Tribal Water Rights Settlements as a Means for Resolving Disputes over Instream Flow Claims: A Comparative Case Approach.  
OSU Water Resources Graduate Program Alumni Award, 2011.
- Foster-Moore, Eric (2011). "A Topography of Dams in China: Impacts to Agriculture, Labor, and Migration."  
OSU Water Resources Graduate Program Faculty Excellence Award, 2011.
- Husain, Abdullah (2011). "Assessing the Kuwaiti Government Response to the Environmental Disasters from the First Gulf War."
- Pak, Mariya (2011). "Assessing Water Governance Capacity in the U.S. Bureau of Reclamation Albuquerque Area Office."  
Fullbright Scholar, 2009-2011.
- Brown, Bridget (2010). "Assessing Water Governance Capacity in MENA: Applying a National Institutional Document Analysis Approach to Jordan."  
OSU Water Resources Faculty Excellence Award, 2010.  
OSU Department of Geosciences Award for Research Assistance, 2010  
Honorable Mention, 2009 National Science Foundation Graduate Research Fellowship Program.
- Hanlon, Thomas (2010). "The Impacts of Mining Legacy in a Water-Scarce South Africa: An Environmental Security Perspective."
- Malone, Chevelle (2010). "Returning Grain to the Lower Willamette Valley: Prospects and Barriers for Local Food Security."
- Lin, Elina (2009). "Water's Role in a Sense of Place in the Nu River Valley."  
Sasakawa Young Leaders Fellowship, 2008.
- McNally, Amy (2008). "A Collaborative Potential Assessment of Project Atmospheric Brown Clouds."
- Odom, Olivia (2008). "Institutional Capacity Building through Land and Water Stewardship Integration- An Analysis of Source Water Protection in Corvallis, Oregon."  
Benton County Soil and Water District Fellowship, 2007-08
- Boehlert, Brent (2006). "Irrigated Agriculture, Energy, and Endangered Species in the Upper Klamath Basin: Evaluating Trade-Offs and Interconnections." (Co-advised with Bill Jaeger.)
- Geren, Barbara (2006). "Predicting Sediment Delivery from Small Catchments in the Western Cascades of Oregon." (Co-advised with Hanna Gosnell.)
- Blankespoor, Brian (2004). "Irrigated Agriculture as an Indicator of Socio-Political Stability in the Wadi el Far'a, West Bank."

Ashley, Sara (2003). "The Influence of Aging Dams and Geography on the Distribution of Dam Removals in the United States."

Matsumoto, Kyoko (2002). "Transboundary Groundwater and International Law: Past Practices and Current Implications."

Pearson, Cathy (2002). "Towards a Better Understanding of Water Quality Management in International Basins."

Wise, Daniel (2001). "Irrigated versus Irrigable Land at the Global Scale."

**Doctor of Philosophy degrees directed to completion:**

Peters, Laura (2020, anticipated).

Jeanne X. Kasperon Award, a student paper competition in the Hazards, Risks, & Disasters Specialty Group of the AAG

McCracken, Melissa (2019, anticipated). "Defining 'Effectiveness' in the Evaluation of Transboundary Water Cooperation: An alternative path for SDG Indicator 6.5.2"

Sasakawa Young Leaders Fellowship Fund Graduate Fellowships for International Research, 2017

Olen Paul Matthews and Kathleen A. Dwyer Fund for Water Resources Award by the Water Resources Specialty Group of the Association of American Geographers, 2017.

Rai, Subash Prasad (2017). "Study of Hydropolitics in South Asian Transboundary Rivers." (IIT Roorkee, India, co-advised with Prof. Nayan Sharma)

Ogren, Kim (2015). "Water Governance Process Assessment: Evaluating the Link between Decision Making Processes and Outcomes in the Columbia River Basin."

OSU Provost's Distinguished Graduate Fellowship

AWRA Herbert Memorial Scholarship

AAG Water Resources Specialty Group Research Proposal Award (2014) and Student Paper Award (PhD level, 2015)

Hydro Research Foundation Hydro Research Award, 2014

CEOAS Parenzin Award, 2014

Sasakawa Young Leaders Fellowship Fund Graduate Fellowships for International Research, 2014

Outstanding Student Oral Presentation Award, American Water Resources Association (AWRA) Annual Conference, 2014

Watson, Julie Elkins (2015). "Beyond Cooperation: Environmental Justice in Transboundary Water Management." Universities Council on Water Resources, Honorable Mention for Dissertation Award in Water Policy and Socio-Economics, 2016.

OSU Graduate Internationalization Grant, 2014

CEOAS Parenzin Award, 2014

Pak, Mariya (2014). "International River Basin Management in the Face of Change: Syr Darya Basin Case Study."

Petersen-Perlman, Jacob (2014). "Mechanisms of Cooperation for States' Construction of Large-Scale Water Infrastructure Projects in Transboundary River Basins."

Stockholm Water Week, Young Scientific Programme Committee, 2014

Veilleux, Jen (2014). "Is Dam Development a Mechanism for Human Security? Scale and Perception of the Grand Ethiopian Renaissance Dam on the Blue Nile River in Ethiopia and the Xayaburi Dam on the Mekong River in Laos."

US Geospatial Intelligence Foundation Scholarship, 2010, 2011.

MacQuarrie, Patrick (2012). "Resilience of Large River Basins: Applying Social-Ecological Systems Theory, Conflict Management, and Collaboration on the Mekong and Columbia Basins."

Eidem, Nathan. (2012). "Enhancing Social-Ecological Resilience in the Colorado River Basin."

- Zentner, Matt. (2010). "Assessing the Design of International Water Supply and Hydropower Arrangements for Managing Certain Climate Change Scenarios."
- Iyob, Biniam (2010). "Resilience and Adaptability of Transboundary Rivers: The Principle of Equitable Distribution of Benefits and the Institutional Capacity of the Nile Basin."
- Bakker, Marloes (2007). "Transboundary River Floods: Vulnerability of Continents, International River Basins and Countries."  
Sasakawa Young Leaders Fellowship, 2005.
- Jarvis, Todd (2006). "Transboundary Groundwater: Geopolitical Consequence, Commons Sense, and the Law of the Hidden Sea."  
Williamson Water Prize (for leadership and academic excellence), 2006.
- Larson, Kelli (2004). "Residents' Attitudes Toward Water Resource Protection in Metropolitan Portland, Oregon."  
(Co-directed with Mary Santelmann.)  
Honorable Mention, Universities Council on Water Resources Ph.D. Dissertation Awards, 2005.  
Association of American Geographers Water Resources Specialty Group Best Paper, 2000.
- Giordano, Meredith. (2002) "Water Quality Management in International River Basins."  
Sasakawa Award for Research in Sustainable Development, 2001, 2002.
- Yoffe, Shira (2002) "Indicators of Future Water Dispute."  
Universities Council on Water Resources Best Dissertation, 2002.

**Post-Doctoral Scholars:** Moon Hee Kang (2016-17), Jiwon Seong (2016-17), Armando Gallo Yahn Filho (2015-16), Ben Li (2012, 2015), Mehdi Mirzaee (2010), Zhijian Wang (2010 and 2013), Majed Atwi Saab (2009-10), Lucia DeStefano (2008-10, 2013, 2014), Kerstin Stahl (2002-2005)

## **HONORS AND AWARDS**

**Nominated**, OSU Honors College Outstanding Professor of the Year Award, Spring 2016.

**Awarded**, by the American Association of Geographers, the Gilbert F. White Distinguished Public Service Honors. AAG Honors are the highest awards offered by the Association, offered annually in six categories "to recognize outstanding accomplishments by members."

Awarded "in recognition of his work on seeking peaceful approaches to international competition over water resources."

**Awarded**, by OnPoint Corporation, "Faculty of the Game," awarded each home football game to an OSU faculty member of merit, 4 September 2015.

**Awarded**, by the Heinz Family Foundation, the 2015 Heinz Award for Public Policy. Cited for "applying 21st-century insights and ingenuity, as well as ancient wisdoms, to complex problems for the security of the planet."

Awardees receive an unrestricted \$250,000 prize and a silver medallion, and must meet three standards:

First, nominees must exhibit the following personal characteristics: A passion for excellence that goes beyond intellectual curiosity; a concern for humanity rooted in a deep sensitivity for the well-being of others; and a broad vision which extends far beyond the particular and embraces something universal.

Second, work of the candidates for a Heinz Award must meet the following criteria: Be significant and not a "quick fix"; have an enduring and meaningful impact; be creative and innovative; and be sufficiently tangible to serve as a model for replication elsewhere.

Third, candidates should be actively working in the field in which they are nominated so that this award will enhance their potential for future societal contribution

**Awarded**, by OSU Outreach & Engagement Vice Provost Award for Excellence - Strategic Impact Award, for the Natural Resources Leadership Academy, 2014.

**Awarded**, by the Fondazione Parchi Monumentali Bardini Peyron, first place for the 2013 Il Monito del Giardino Environmental Award, Florence, Italy, 5 June 2013.

**Awarded**, by TWAS, The Academy of Sciences for the Developing World, Visiting Scientist Program award to collaborate with the International Water Management Institute in Vientiane, Laos, April-May 2013.

**Awarded**, by the Western Association of Summer Session Administrators, Best Credit Program and the Best Overall Program awards for the Natural Resources Leadership Academy, 2012.

**Department awarded** OSU Graduate School Family Friendly Faculty Award, Spring 2011.

**Named** “Working Class Hero,” by Miller-McCune Magazine, January/February 2009.

**Awarded** the OSU Milton Harris Award in Basic Research, 2008.

**Awarded** a Center for the Humanities Fellowship for 2007-08.

**Web Site Inducted** to Thomas Scientific ISI Web of Knowledge, a linked database of, “high-quality, scholarly web sites.” December 2006.

**Finalist**, OSU Lloyd Carter Award for Outstanding and Inspirational Teaching at the Graduate Level. Sept. 2006.

**Inducted** as Fellow, International Water Resources Association, which recognizes, “exceptional professional skills and service to society and to the mission of the IWRA.” April 2005.

**Inducted** as a Life Member, International Water Academy, Oslo, Norway, February 2003.

**Next Generation of Water Leaders.** Named one of 15 “leaders” by the Third World Centre for Water Management, the International Water Resources Association, and the Stockholm International Water Institute in 1999 for a three year project of apprenticeship and planning.

**1997 Best Paper**, *Agricultural and Resource Economics Review*, for A. Dinar and A. Wolf. “Economic and Political Considerations in Regional Cooperation Models.” Vol 26 #1, April 1997.

**Outstanding Freshman Teacher Award**, presented by ALPHA LAMBDA DELTA Honorary, Spring 1997.

**Inducted to** PHI BETA DELTA, Honorary Society of International Scholars, March, 1995.

**Inducted to** PHI BETA KAPPA, Honor Society., December, 1985.

### **PROFESSIONAL AFFILIATIONS**

Oregon Academy of Sciences  
Association of Pacific Coast Geographers  
Association of American Geographers  
American Water Resources Association  
International Water Resources Association  
International Association for Water Law (Associate Member)  
The Association for Contemplative Mind in Higher Education

### **ADDITIONAL WORK EXPERIENCE**

**U.S. Geological Survey, Water Resources Division, Madison, WI**  
PHYSICAL SCIENTIST, G.S. 9  
TECHNICAL ASSISTANT, G.S. 7

Fall 1992 to Spring 1993  
Summers 1989, 1990

- Field work, groundwater flow calculations, report writing.

**Israel Defense Forces, Israel**  
INFANTRYMAN, PARATROOP BRIGADE

January 1986 to February 1988

- Rank on discharge: Sergeant, Squad Leader.



**Todd Consulting Engineers, Water Specialists, Berkeley, CA**  
INTERN

October 1984 to June 1985

- Drafting, ground-surface computations, library research.

**Kibbutz Kfar Hamaccabbi, Israel**  
KIBBUTZ WORKER

July 1981 to August 1982

- General farm work: irrigation, maintenance, dairy/field.

**U.S. Merchant Marines, San Francisco, CA**  
SEAMAN

September 1979 to August 1980

- Ordinary seaman on ocean-going cargo ships.