

**SALEEM HASSAN ALI**

Professor of Environmental Studies, Director, Institute for Environmental Diplomacy and Security  
University of Vermont, Rubenstein School of Natural Resources  
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**COUNTRIES OF CITIZENSHIP:**

United States of America (by birth) and Pakistan (by parental lineage)

**EDUCATION:**

- 2000 *Massachusetts Institute of Technology*, Cambridge MA, USA: Ph.D. in Environmental Planning, Department of Urban Studies and Planning, Dissertation title: "Environmental Resistance and Aboriginal Development: A Comparative Study of Mining Ventures in the United States and Canada." Advisor: Professor Lawrence Susskind. Committee members: Professor Joseph Kalt (Harvard, Kennedy School of Govt.), Professor Paul Carlile (MIT, Sloan School of Management).
- 1996 *Yale University*, New Haven, CT, USA: Masters of Environmental Studies. Focus: Industrial Environmental Management and International Development. Thesis: *Water and Diamonds: Resource Scarcity and Environmental Degradation in Southern Africa*. Advisor: Professor Daniel Esty
- 1994 *Tufts University*, Medford, MA, USA: Bachelor of Science, *summa cum laude*. Majors: Chemistry and Environmental Studies.
- 9/1992 -- 6/1993 *University College London*, London, UK: Junior Year Abroad, Chemistry and Ecology.
- 6/1992 -- 8/1992 *Center for Rainforest Studies*, Queensland, Australia (Administered by the School for Field Studies, Beverly MA). Applied field research course on "Tropical Reforestation." Interviewed farmers, analyzed water and soil samples on farms to prepare a report on the success of reforestation in the Lake Tinaroo catchment, Queensland, Australia.
- 9/1986 --5/1990 Secondary Schooling at *Aitchison College*, Lahore, Pakistan. Received School Certificate with honors under the auspices of *The University of Cambridge International Examinations Syndicate (UK)*.

**WORK AND RESEARCH EXPERIENCE:**

9/2002 - present **University of Vermont, Burlington VT, USA**

*Director of the Institute for Environmental Diplomacy and Security (James Jeffords Center), Professor (tenured) of Environmental Studies (2010 – present); Associate Dean for Graduate Education (2006-2008), Associate Professor of Environmental Planning and Conflict Resolution (March 2006 – May 2010), previously, Assistant Professor (9/2002 – 2/2006): Rubenstein School of Natural Resources. Teaching courses on research methodology, environmental conflict resolution, environmental peace movements, industrial ecology and environmental policy, planning and development. Appointments in Environmental Program and Asian Studies Program.*

- 12/2000– 2011     **Brown Univ., Watson Institute for International Studies, Providence RI, USA**
- Adjunct Faculty:* Taught courses on environmental planning, and environmental conflict resolution (to UNEP Fellows from developing countries at the Thomas J. Watson Institute for International Studies, funded by the Luce Foundation).
- 6/2000 – 4/2002     **Industrial Economics Incorporated, Cambridge MA, USA**
- Environmental Associate:* Working on various projects related to environmental impact assessment, natural resource damage assessment and policy evaluation for clients in the public and private sectors. Leading the development of a practice area within to firm to focus on natural resource damage assessments on Native American reservations.
- 8/1998 – 8/1999     **ENSR Corporation, Acton MA, USA**
- Environmental Consultant:* Preparing international industrial audit protocols and social impact assessment documents for Environmental Health and Safety
- Summer, 1998     **Harvard Business School, Boston MA, USA**
- Baker Foundation Research Fellow:* Researched and wrote two teaching cases on corporate/community negotiations in the mining industry.
- 9/1997 – 2000     **Massachusetts Institute of Technology, Cambridge MA, USA**
- Teaching Fellow and Instructor  
Courses:
- ENVIRONMENTAL POLICY AND REGULATION: Teaching assistant
  - QUANTITATIVE METHODS IN REASONING (Basic statistics course for planners): Teaching fellow
  - TECHNICAL WRITING: Independently teach a technical writing practicum course to chemical engineering students.
- 7/1996 -- 8/1997     **General Electric Company, Plastics Division (GE)**
- Technical Leadership Program Associate and Environmental Engineer:* Plastics Divisions, Based at GE's silicones manufacturing site in Waterford NY, USA and the GE Research and Development Center, Schenectady, NY, USA. Coordinated pollution prevention programs. Training in management of technology, environmental auditing and statistical methods for quality control.

- Summer, 1995      **General Electric Company, Corporate Environmental Programs**
- International Environmental Management Intern*, Corporate Headquarters, Fairfield CT: Designed and prepared environmental health and safety audit protocols for GE operations in UK, Mexico, Turkey, Spain and Indonesia.
- 9/1994 -- 5/1996      **Yale University, School of Forestry and Environmental Studies, New Haven CT, USA**
- Teaching Fellow in Environmental Chemistry*: Coordinated and assisted in the teaching of two graduate courses with Professor Gaboury Benoit and Dr. Shimon Cohen-Anisfeld: Environmental Chemistry of Pollution & Environmental Organic Chemistry.
- 1/1994 -- 8/1994      **Global Development and Environment Institute, The Fletcher School of Law & Diplomacy, Tufts University, Medford MA, USA.**
- Research Assistant for a six volume publication project: *Frontier Issues in Economic Thought*. Conducted bibliographic research for volumes on “Ecological Economics,” “Advertising and the Environment” and “The Consumer Society.”
- 1/1993 -- 6/1993      **British Parliament (House of Commons), UK**
- Parliamentary Intern*: Prepared press releases; researched material for environmental debates in parliament; responded to constituency correspondence and public relations.
- 4/1992      **Smithsonian Institution, Museum of Natural History, Washington DC, USA.**
- Natural History Research Training Associate*, Washington DC, USA: Identified and documented various plant taxa from Cameroon with Dr. Robert Faden
- 9/1990 -- 5/1992      **Institute for Global Communication, Medford MA, USA.**
- Network Writer, Global Action and Information Network*. (Administered by the *Institute for Global Communication*, San Francisco CA). Prepared computerized conferences on environmental themes for an interactive computer network. Topics on which informational papers were written on-line include: Antarctica, Ocean Pollution and Wastewater.

**LANGUAGES:**

English (fluent at all levels); Urdu (fluent at all levels), Punjabi (fluent at all levels), Arabic and Persian (reading ability), French and Spanish (elementary)

## **PUBLICATIONS: (chronologically within each category)**

### **Peer reviewed Books**

Ali, Saleem H. *Treasures of the Earth: Need, Greed and a Sustainable Future*. New Haven and London: Yale University Press. Publication in Fall, 2009 (paperback edition, Fall, 2010)

Ali, Saleem H. *Islam and Education: Conflict and Conformity in Pakistan's Madrassahs*. Oxford University Press, 2009.

O'faircheallaigh, Ciaran and Saleem H. Ali eds. *Earth Matters: Indigenous Relations in the Mining Industry*. Sheffield UK: Greenleaf Publications, 2008.

Ali, Saleem H. ed. *Peace Parks: Conservation and Conflict Resolution*. Cambridge and London: The MIT Press. 2007. (foreword by Julia Marton-Lefevre, Director General IUCN)

Ali, Saleem H. *Mining, The Environment and Indigenous Development Conflicts*. Tucson: University of Arizona Press. 2004. (paperback edition being published in fall 2009).

### **Peer reviewed Book Chapters**

Ali, Saleem H. and Mary Ackley, "Foreign Investment and Environmental Justice in an Island Economy Mining, Bottled Water, and Corporate Social Responsibility in Fiji," in Julian Agyeman and JoAnn Carmin, *Environmental Inequalities Beyond Borders Local Perspectives on Global Injustices*. Cambridge MA: MIT Press, 2011

Ali, Saleem H. "Environmental Cooperation in the Indian Ocean Basin." In Timothy Doyle ed. *Crucible of Survival: Environmental Security in the Indian Ocean*. New Brunswick NJ: Rutgers University Press, 2008

Khagram, Sanjeev and Saleem H. Ali. "Transnational Transformations: From Government-Centric Inter-State Regimes To Multi-Actor, Multi-Level Global Governance?" in Jacob Park, Ken Conca and Mathias Finger et al eds. *The Crisis of Global Environmental Governance* London and New York: Routledge, 2008

Ali, Saleem H. "Climate Conflicts: Extricating post-Kyoto debates in science and policy" In Velma Grover ed. *Climate change: Kyoto –Ten Years and Still Counting*. To be published by Science Publishers (New Hampshire, USA) and Oxford and IBH, 2008

Ali, Saleem H. "Environmental Conflict Resolution in the Extractive Industries: Implications for International Security." In Hans Guenter Brauch ed. *Facing Global Environmental Change: Environmental, Human, Energy, Food, Health and Water Security Concepts* (Berlin – Heidelberg – New York – Hong Kong – London – Milan – Paris – Tokyo: Springer-Verlag, March 2008). 22pp.

Ali, Saleem H. "Pakistani madrassas and rural underdevelopment." In Jamal Malik ed. *Madrassas in South Asia: Teaching Terror?* London and New York: Routledge, 2007.

Ali, Saleem H. "Resolving environmental conflicts in Pakistan's energy policy." In *Fuelling the Future*. Washington DC: Woodrow Wilson Center, April, 2007.

Ali, Saleem H. and Matias Chiota. "Environmental Narratives in Collaborative Education: Experiences from the Middle East." In Stuart Schoenfeld ed. *Palestinian and Israeli Environmental Narratives*. Toronto, Canada: York University Press (Center for International Security Studies series), 2005, 23pp.

Ali, Saleem H. and Jose Olivera. "New Oil in Africa: Can Corporate Power Positively transform Angola and Equatorial Guinea?" Wayne Visser et al.eds. *Corporate Citizenship in Africa*. UK: Greenleaf Publications, 2006, 27pp.

Yelapaala, Kaakpema and Saleem Ali. "Small-scale Diamond Mining and Environmental Health: The Ghanian Experience Chapter" to be published in Gavin Hilson ed. *Poverty and Perseverance: The State of Artisanal and Small-Scale Mining in West Africa*. , 2005, 21pp.

Ali, Saleem H. "Shades of Green: NGO Coalitions, Mining Companies and the Pursuit of Negotiating Power." chapter in Jem Bendell ed.: *Terms for Endearment: Business-NGO relations and Sustainable Development*. London UK: Greenleaf Publishing, 2000. 20pp.

### Journal Articles

Huang, Ganlin, Weiqi Zhou and Saleem H Ali. "Spatial patterns and economic contributions of mining and tourism in biodiversity hotspots: A case study in Yunnan China" Forthcoming in *Ecological Economics*, Fall, 2011 Refereed Article

Puppim de Oliveira, Jose Antonio, and Saleem H. Ali. Gemstone mining as a development cluster: A study of Brazil's emerald mines. *Resources Policy* Accepted for publication, in press – Summer 2011. Refereed Article

Ali, Saleem H. "Mining in China: A Primary Ecological Concern," Washington DC: Woodrow Wilson International Center for Scholars, *China Environment Forum* Issue 10, June, 2009 Academic policy journal

Ali, Saleem H. "Water Politics in South Asia: Transitioning from technocratic cooperation to lasting security" *Journal of International Affairs*, Vol.61, No. 2, 2008 Academic policy journal

Ali, Saleem H. and Ciaran O'Faircheallaigh. "Extractive Industries, Environmental Performance and Corporate Social Responsibility." Special guest edited issues 52-53 of *Greener Management International*, October – December, 2007 Refereed Journal

Costanza, Robert, Brendan Fisher, Saleem Ali et al. Quality of life: An approach integrating opportunities, human needs, and subjective well-being. *Ecological Economics* 61, no. 2 (March, 2007): 267-276. Refereed Article

Li, Wenjun and Saleem Ali. "Simulated Property Rights and Grassland Degradation: A Case Study of Xilingol Biosphere Reserve, Inner Mongolia of China." *Journal of Environmental Management*, Vol 85:2, pp. 461-70, 2007. Refereed article

Ali, Saleem H. "Gold Mining and the Golden Rule: A Challenge for Consumers in Developing Countries." *Journal of Cleaner Production*. (Elsevier), Vol. 14, No. 3-4, 2006, 15pp. Refereed Article

Khagram, Sanjeev and Saleem Ali. "Environmental Security." *Annual Review of Environment and Resources*, September, 2006, 25pp. Refereed Article

Ali, Saleem H. and Andrew Singh Grewal "The Ecology and Economy of Indigenous Resistance: Divergent Perspectives on Mining in New Caledonia." *The Contemporary Pacific* (University of Hawaii Press), Summer, 2006. 49pp. Refereed Article

Ali, Saleem H. and Robert Barsky eds. Beyond the Ivory Tower: the trials and triumphs of popular academics. Special issue of the refereed open-source e-journal *Ameriquests*. Vol. Refereed e-journal issue

3, No. 2. 2006. Available online at:  
<http://ejournals.library.vanderbilt.edu/ameriquests/viewissue.php>

- Yelpaala, Kaakpema and Saleem Ali. "Multiple scales of diamond mining in Akwatia, Ghana: addressing environmental and human development impact." *Resources Policy*, 2005 Vol. 30 (145-155). Refereed Article
- Ali, Saleem H. "Environmental Planning and Cooperative Behavior." *Journal of Planning Education and Research*, Vol 23, No. 2, 2003, 12pp. Refereed Article
- Ali, Saleem H. and Larissa Behrendt ed. *Mining and Indigenous Rights: Can Impacts and Benefits be Reconciled?* Guest editor for a special issue of the *Cultural Survival Quarterly*, April, 2001. Authored introduction to articles and an overall introduction. 120pp. Journal issue
- Ali, Saleem H. "Ecological Themes in Islam and Islamic Societies." *Islamica* (published by the London School of Economics, UK), Spring, 1998. 10pp. Refereed Article
- Ali, Saleem H. *Cameco Corporation. A Case Study in Corporate/Community Negotiations*. Boston MA: Harvard Business School case 5-899-285, May, 1999. 45pp. Refereed Teaching case
- Ali, Saleem H. *WMC: Olympic Dam Copper-Uranium Mine: A Case Study of Aboriginal Interactions with a Mining Company*. Boston MA: Harvard Business School, 5-899-285, May, 1999. 55pp. Refereed Teaching case
- Ali, Saleem H. and Victoria Guisinger. *Land Tenure and Environmental Management in Namibia*. Yale School of Management Case Study, August, 1997.40pp. Refereed Teaching case
- Ali, Saleem H. "Pakistan's Environmental Predicament." *Hemispheres: The Tufts Journal of International Affairs*, Spring, 1994. 30pp. Student refereed Article

### **Policy Reports and Mongraphs**

- Ali, Saleem H. *Transboundary Conservation and Conflict Resolution: Lessons from projects commissioned by the International Tropical Timber Organization (ITTO)*. Yokohama, Japan: United Nations University, Institute for Advanced Studies, 2011.
- Ali, Saleem H. and John Shroder. *Afghanistan's Mineral Fortune: Multinational influence and development in a post-war economy* Institute for Environmental Security and Diplomacy, University of Vermont, James Jeffords Center Monograph Series, C:2:2011.
- Ali, Saleem H. and Mary Watzin. "Science and Spatial Security: Building Peace through Environmental Conservation in Southeastern Europe. Institute for Environmental Security and Diplomacy, University of Vermont, James Jeffords Center Monograph Series, B:1:2011.
- Ali, Saleem H. *Energizing Peace: The Role of Oil and Gas Pipelines in Regional Cooperation*. Washington DC: The Brookings Institution, 2010. (published in English and Arabic).
- Ali, Saleem H. and Richard Paradis. *Transitioning Land Tenure in Scotland: A Comparative Study of Public, Private and Community Arrangements*. James Jeffords Center Monograph Series, C:1:2010.
- Bhurtel, Jugal and Saleem H. Ali. *The Green Roots of Red Rebellion: Environmental degradation and the rise of the Maoist movement in Nepal*. Watson Institute for International Studies, Brown University, UNEP Scholars of the Environment Program, 2005.

## POPULAR PUBLICATIONS AND MEDIA INTERVIEWS

I am a regular commentator for Vermont Public Radio ([www.vpr.net](http://www.vpr.net)) – 3 minute monologue commentary broadcast every 2 weeks. I am also a biweekly columnist for Pakistan’s *Express Tribune* (published in partnership with the *International Herald Tribune* ([tribune.com.pk](http://tribune.com.pk))) and also have a blog on the National Geographic Society’s web page.

Ali, Saleem H. “The Ecology of the Gold Standard.” <i>National Geographic Newswatch</i> , August, 2011.	Commentary article
Ali, Saleem H and Gary Flomenhoft, “Innovating Sovereign Wealth Funds.” <i>Policy Innovations (Carnegie Council for Ethics in International Affairs)</i> , February 17, 2011	Review article
Ali, Saleem H. and Bharat Gopalaswamy “Science Diplomacy in South Asia.” <i>Policy Innovations</i> , November 17, 2010	Opinion article
Ali, Saleem H. “Confronting Culture in Congo,” <i>Policy Innovations</i> , February 10, 2010	Opinion article
Ali, Saleem H. and Parag Khanna, “Energizing Peace” <i>Foreign Policy</i> , November 2009	Commentary
Ali, Saleem H. “Better environmental treaties,” <i>Issues in Science and Technology</i> (published by the National Academy of Sciences and the National Academy of Engineering, Winter, 2009).	Commentary
Ali, Saleem H. and Hiba Zeino, “Towards Muslim-Christian Unity,” commentary article on conflict resolution following the Pope’s visit to the Middle East. Published in <i>Lebanon’s Daily Star, Egypt’s Daily News, The Kuwait Times and The Gulf News and The Khaleej Times</i> , May 21, 2009.	Commentary
Ali, Saleem H. “The Greening of Islamic Politics.” <i>Policy Innovations Carnegie Council for Ethics in International Affairs</i> , August, 2008	Commentary Article
Ali, Saleem H. “Oil and Turmoil in Africa.” <i>Policy Innovations Carnegie Council for Ethics in International Affairs</i> , March 12, 2008.	Commentary article
Ali, Saleem H. and Michael Cohen. “Salvaging Peace with Syria.” <i>Policy Innovations Carnegie Council for Ethics in International Affairs</i> , November 20, 2007	Commentary article
Ali, Saleem H. “In China Globalization can be Green.” <i>International Herald Tribune</i> , May 30, 2006	Opinion article
Ali, Saleem H. “The Peril of Port Polemics.” <i>International Herald Tribune</i> , March 4, 2006	Opinion article
Ali, Saleem H.. “Japan’s Carnival for Earth” <i>The Korea Times</i> , September 14, 2005	Commentary article
Ali, Saleem H. “The Educated Terrorist” <i>The Boston Globe</i> , September 6, 2005, P. A15	Opinion article
Ali, Saleem H. and Abigail Cutler “Madrassah Reform.” <i>The Christian Science Monitor</i> , June 27, 2005	Commentary article
Ali, Saleem H. “Siachen: Ecological Peace Between India and Pakistan.” <i>Sanctuary Asia</i> , February, 2005	Article

Educational video productions (produced, directed and filmed) -- available for viewing online through Google-video

- *Transcending Boundaries Video Series*, 2010 -2012 (Supported by the James Jeffords Center). Available for online viewing at <http://www.uvm.edu/ieds>
- *Tropical Gold: Reversal of Fortune in Fiji*, 2008 (with support from the Tiffany & Co. Foundation)
- *The Emerald City: Mines Markets and the Environment in Brazil*, 2006 (with support from the Tiffany & Co. Foundation).
- *Children of Faith: The Madrassahs of Pakistan*, 2005 (with support from the United States Institute of Peace)

Contributed to public programming and interview commentary for:

- BBC World Service (The World Today -- several times in 2007 and 2008)
- CNBC (Interviewed for a feature documentary Future earth October, 2009)
- National Public Radio (On-Point with Tom Ashbrook, 2002. Here and Now, 2010)
- Public Radio International (Living on Earth and Here on Earth)
- Al-Jazeera (Arabic and English Channels, twice in 2009)
- Vermont Public Television (Profile interview with Fran Stoddard, 30 minutes)
- Time magazine (interviewed by Bryan Walsh, 2009)
- Newsweek magazine (interviewed by Amber Haq, 2008)
- Science magazine (profiled twice in 2007 on a news feature on science and peace-building)
- Nature magazine (Profiled in 2007 for ecological peace-building)
- Dow Jones Newswire (2008)
- Christian Science Monitor (2006)
- Australian Broadcasting Corporation (Late Night Live, 2006 – 30 minute interview)
- The Daily Times, Pakistan (regular fortnightly columnist 2005 - 2010)
- Voice of America Radio (International Broadcasting Bureau of the United States government, several times)
- Burlington Free Press & Rutland Herald (frequently)
- Jamaica Public Radio (Morning broadcast with Beverley Manley (former first lady of Jamaica), twice in 2009)
- Fund for Sustainable Tomorrows (interviewee for their production: *Scarred Lands, The Environmental Impact of War*, launched at the Washington DC Film Festival, 2008).

### **Book reviews**

Ali, Saleem H. "The Inquisitive West." Review of Intellectual Curiosity and the Scientific Revolution by Toby Huff, *Science*, Vol. 332 April 1, 2011.

Ali, Saleem H. "Toxic Power." Review of The Polluters by Benjamin Ross and Steven Amter, *Chemical and Engineering News*, December 13, 2010.

Ali, Saleem H. "Cultivating Chaos" Review of Pandora's Seed by Spencer Wells. *Science*, 23 July 2010: Vol. 329. no. 5990.

Ali, Saleem H. Review of "Green Cities" by Matthew Kahn. *Journal of the American Planning Association*, Vol. 74, No. 1, 2008.

Ali, Saleem H. Review of "Beyond Territory and Scarcity: Exploring Conflicts over Natural Resource Management." *International Journal of African Historical Studies*. December, 2005

Ali, Saleem H. Review of “The Promise and Performance of Environmental Conflict Resolution” edited by Rosemary O’leary and Lisa Bingham. *Environmental Conservation*, (Cambridge University Press), July, 2005.

Ali, Saleem H. Review of “Water Wars”: by Vandana Shiva. For History-net, 2004

Ali, Saleem H. Review of “State of the Environment in Southern Africa.” *Journal of Modern African Studies*, (Cambridge University Press), Vol.34, No.3, 1996.

Regular reviewer on Amazon.com

[http://www.amazon.com/gp/pdp/profile/ARCIN1E9FF367/ref=cm\\_cr\\_dp\\_pdp](http://www.amazon.com/gp/pdp/profile/ARCIN1E9FF367/ref=cm_cr_dp_pdp)

**SELECT PAPERS PRESENTED AT CONFERENCES, SEMINARS AND REPORTS (\*indicates peer-reviewed paper presentation)**

*Conflict Minerals in Congo*, Presentation at Clark University’s special conference organized by the Center for Holocaust Studies, September 2011.

*Science and Peace-building in the Himalayas; From Siachen to Kanchenjunga*, Presentation at Yale University, May 11, 2011.

*China Energy and Environment Conference*, featured presentation on Mining in China, Harvard University, April 9, 2011.

*Beyond Islamic Studies*, featured presentation on “Islam and the Environment: Is a Green Revolution Possible?” at Michigan State University, Lansing, April 6, 2011.

*The Ethics of Mineral Extraction*: Keynote presentation to students at the Norman Keevil Institute of Mining at the University of British Columbia, Canada, March 29, 2011.

*Conflict and Cooperation over Natural Resources*, Whitehead School of Diplomacy, Seton Hall University, New Jersey, February, 2011.

*Treasuring the Earth*, Invited presentation at Masdar Institute of Science and Technology, Abu Dhabi, UAE, January 2011

*Environmental Aspects of the Natural Resources Charter*, Invited symposium presentation at Oxford University, Department of Economics, UK, September, 2010.

*The Psychological Dimensions of Ecological Peace-building*, Invited symposium presentation at the annual meeting of the American Psychological Association, San Diego, August, 2010.

*Ecological Conflict Resolution*, Presentation at the Institute for Advanced Study, United Nations University, Tokyo and Yokohama, Japan, July 2010

*Environmental Planning for Mining in Cambodia*, Policy paper prepared for the United Nations Development Programme and the Government of Australia’s development conference in Phnom Penh (convened and attended by the Prime Minister of Cambodia), May, 2010.

*Water cooperation and conflict in Pakistan*, presentation to the Norwegian foreign ministry and related offices, organized by the Norwegian Peace-building Centre, Oslo, March 2010.

*Prospects for ecological peace-building in the Golan Heights*, Keynote lecture at Tel Aviv University, organized by the U.S. Embassy in Israel, January 2010.

*Nonrenewable but Sustainable? The role of minerals in development*, Organizer and moderator for special plenary session at the International Symposium on Society and Resource Management (ISSRM), Vienna, Austria, July, 2009.

*Peace in the Pipeline: Prospects for using oil and gas pipelines as catalysts of cooperation*, Presentation and live Al-Jazeera TV broadcast, Brookings Institution, Doha Center, Qatar, May 10, 2009.

*Asia's Next Challenge*, Discussion and presentation with Jeffrey Sachs, Earth Institute Columbia University, hosted by the Asia Society, New York, April 17, 2009.

*Water Security in Asia*, Presentation at the Dubai School of Government, UAE, March 15, 2009

*Indigenous People and the Extractive Industries: Prospects for Business Development*, Presentation at the International conference on indigenous business enterprises organized by the state of Amazonas, Brazil and the University of New Mexico's Anderson School of Management, Manaus, Brazil, July, 2008.

*Transboundary Conservation and Conflict Resolution*, Special side event hosted by the Secretariat of the Convention of Biological Diversity at the Conference of the Parties (COP-9), Bonn, Germany, May, 2008.

*Environmental Science and Conflict Resolution*. Keynote presentation at the International Workshop on Cryospheric Research and Environmental Hazards in South Asia, International Center for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal, April 2008 (sponsored by the U.S. National Science Foundation and the Lounsebery Foundation).

*Negotiating the idea of peace parks: from conservation to conflict resolution*, Presentation at the School of International and Public Affairs and the Earth Institute, Columbia University, March, 2008.

*Environmental peace-building in Islam*” Presentation and lesson plan development at the workshop on peace education in an Islamic context, Gadjah Mada University, Yogyakarta, Indonesia, November, 2007 (funded by the Swedish International Development Agency).

*Prospects for environmental peace-building the Middle East*. Presentation at the “Green Wars” conference, Beirut Lebanon, November, 2007.

*Oil and gas pipelines as a strategy for peace building*. Presentation at the School of International and Public Affairs, Columbia University, November 7, 2007.

*\*Extracting Conservation: A study of cooptation and compromise between indigenous communities, industry and environmentalists*. Paper presentation at the Society for Conservation Biology, annual meeting Port Elizabeth, South Africa. July, 2007.

*\*Conservation Warriors: The role of the military in transboundary environmental protection*. Presentation at the annual meeting of the International Association of Impact Assessment, Seoul, Korea, June, 2007.

*\*Spatial Analysis of Tourism versus Mining in Yunnan, China: Comparing economic and environmental impact*, (with Ganlin Huang) Paper presentation at the Association of American Geographers annual meeting, April 19, 2007.

*Peace Parks and International Security*. Invited paper presentation at the Monterrey Institute for International Studies, California, April 16, 2007.

*Questioning the Resource Curse: Economic and Ecological Perspectives*. Presentation at Griffith University Business School, Brisbane, Australia. August, 2006

*Community-Driven Development in the Small-scale mining sector*. Invited presentation and panel moderator at the World Bank's learning event on small-scale mining, Salvador, Brazil, September 18, 2005

*Conservation and Conflict Resolution*. Invited presentation to the Woodrow Wilson Center's Environmental Change and Security Project, Washington DC, September 12, 2005. Published in the *Environmental Change and Security Project Report*, December, 2005.

*Extractive Industries among Indigenous Communities: Resolving Conflicts from the Americas to Australasia*. Conservation International – CELB Distinguished Lecture on Indigenous Peoples, Washington DC: April 13, 2005.

*Madrasahs and Modernity: An empirical environmental study of Pakistan's Islamic schools*. Invited presentation at the School of Advanced International Studies, Johns Hopkins Univ., Washington DC, April 4, 2005.

*Extractive Industries and Conflict*, Invited presentation on a conference organized by the Heinrich Boll Foundation (Stiftung) at the Loccum Academy in Hanover, Germany, April 18, 2005.

*\*Himalayan High Ice: Climatic Change and Science for Peace in Siachen*. Invited presentation at the annual meeting of the American Association for the Advancement of Science (AAAS), Washington DC, February 19, 2005.

*Ecological and Theological Peace-making: Prospects for Siachen and Kashmir*. Presentation at the Weatherhead Center for International Affairs, Harvard University, November 12, 2004.

*Minerals, Conflict and Cooperation: Beyond Resources Cures and Curses*. Presentation at the Wilton Park conference on Environment, Development and Sustainable Peace, Royal Institute for International Affairs, UK, September 16-18, 2004.

*The K-2-Siachen Peace Park: Moving from Concept to Reality*. A working paper prepared for a workshop on environmental peace-making at the Harrison Program on the Future Global Agenda and the Center for International Development and Conflict Management at the University of Maryland, November, 2003.

*\*Scaled Partners: Public-Private Interactions for "Sustainable" Mineral Development*. (peer reviewed). Presented at the Open Meeting on the Human Dimensions of Global Environmental Change. McGill University, Montreal, October, 2003.

*\*Non-renewable but Sustainable? Environmental Planning for Mining Ventures*. Paper presented at the annual conference of the Association of Collegiate Schools of Planning ([www.acsp.org](http://www.acsp.org)), Baltimore, MD, November 2002 and also included in the proceedings of the South African Chamber of Mines Annual proceedings of research, Johannesburg, 2003.

*Mutual Lesson-drawing from Environmental Conflict Resolution in Canada and the United States*. Paper accepted for presentation at the International Association of Impact Assessment conference ([www.iaia.org](http://www.iaia.org)), Cartagena, Colombia, May, 2001.

*Catalysts of Sustainable Consensus: Environmental Resources as Reasons for Cooperation Rather than Triggers for Conflict*. Paper prepared for the Alliance for Global Sustainability (A research partnership between MIT, The University of Tokyo and the Swiss Federal Institutes of Technology). October, 1999.

*Industrial Ecology: The New Age of Environmental Management*. Paper presented at the Lahore University of Management Sciences, Pakistan, August, 1999.

*Uranium Mining and Indigenous Communities: Cross-cultural Dispute Resolution in Australia and Canada*. Paper presented at the WM99 conference of the nuclear industry in Tuscon, Arizona, March, 1999.

*Environmental Planning for Mining Venture on Native Land.* A briefing paper prepared for the Crow Tribe of Montana. Harvard University, Project on Native American Economic Development Report 98-11, December, 1998.

*\*Climate, Caprice and Consensus: Prospects for Water Management in the Zambezi Basin.* Paper (with Bo Barta as coauthor) published in the proceedings of the UNESCO conference on Climate Change and Water, Espoo, Finland, August, 1998.

*Ecological Themes in Islam and Islamic Societies.* Paper presented at the Conference on Islam and Development, University of Rhode Island, April, 1998

*Water and Diamonds: Resource Scarcity and Institutional Reform in Southern Africa.* Published in the Proceedings of the World Water Congress, Montreal, September, 1997.

*Greening Pharmaceutical Businesses? Effective Management of Biochemical Prospecting Agreements.* Presented (with coauthor Shana Liberman) at the conference of the Pollution Prevention Consortium of New England entitled "Reinventing Environmental Protection" (Harvard University, Cambridge MA, February, 1996).

*Environmental Rights and the Oil Industry in Nigeria: A Legal Review.* A study prepared for the Schell Center for Human Rights at Yale Law School and the Center for Constitutional Rights, New York, 1995 (with coauthors Hari Osofsky and Antoinette Wannebo)

*Water Quality and Reforestation in the Lake Tinaroo Catchment, Queensland, Australia.* Directed research project for the Centre for Rainforest Studies, Yungaburra, QL, Australia, Summer, 1992 (withcoauthor Kelly Forester).

## GRANTS

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|------|--|
| 2011 | Tiffany & Co. Foundation. Conservation through Sustainable Livelihoods: Developing a Certification System for Pearl Farming in Small-Island Coral States, \$200,000. PI with Laurent Cartier, University of Basel, Switzerland.  |
| 2011 | Harvard University, Kennedy School of Government: Subcontract of a grant from Rio Tinto Corporation on researching best practices in indigenous mining negotiations. \$75,000  |
| 2011 | CIRCA Ltd. Report preparation on sustainability comparisons between jewelry producers with an emphasis on gold recycling. \$15,000   |
| 2010 | James Jeffords Center, University of Vermont, Signature award to establish an Institute for Environmental Diplomacy and Security, \$150,000 over 3 years.  |
| 2010 | Government of Switzerland, Grant to be a lead project for community mapping as a means of resolving border conflicts and developing an atlas of ecological cooperation as part of the World Knowledge Dialogue, funded through the University of Geneva.   |
| 2009 | Brookings Institution and the Government of Qatar , Ministry of Foreign Affairs, <i>Gas and Oil Pipelines as Catalysts for Conflict Resolution: A comparative analysis of existing and future projects in the Gulf and beyond.</i> \$26,000 (as part of an application-based Visiting Fellowship at the Brookings Doha Center) |
| 2009 | Rockefeller Brothers Fund and the Ross Foundation support for the Asia Society's Leadership group on Water Security in Asia. Subcontract for research and writing of report and travel expenses for participation \$15,000   |

- 2007- 2008 Tiffany Foundation: *Evaluating Environmental Risks in Gold Mining: A Perceptual Study of Public Health at the Vatakoula Gold Mine in Fiji*, \$52,000 (Principal investigator: Saleem Ali)
- 2005 -2007 Tiffany Foundation Research Grant: *Artisanal Gemstone Miners and the Environment: A Comparative Study of Madagascar, Brazil and Myanmar (Burma)*, \$43,500. (Principal investigator: Saleem Ali)
- 2003 *United States Institute of Peace*: Research grant on “The Madrassahs of Pakistan: Pathways to Education, Extremism and Conflict prevention.” \$35,000. (Principal investigator: Saleem Ali)
- 2002 *Henry Luce Foundation*: Brown University (Principal grant recipients Steven Hamburg and Richard Wetzler -- \$1.2 million). Grant component used to initiate an environmental and social audit program for mining ventures in the Democratic Republic of Congo, in collaboration with the University of Kinshasa

#### AWARDS AND PROFESSIONAL INVITATIONS:

- 2011 *Young Global Leader, World Economic Forum*. Chosen by an international selection committee chaired by Queen Rania of Jordan
- 2011 Listed by *The Guardian* and *The Observer* (UK publications) as an “Eco-diplomat” in their “Green Giants” list for 2011.
- 2010 *Emerging Explorer award, National Geographic Society*. Profile published in June 2010 issue of National Geographic magazine along with a \$10,000 prize award
- 2009 *Invited participant for a closed meeting with the Tibetan Dalai Lama, conflict researchers and environmental scientists on water security concerns in Tibet and Central Asia organized by the Hague Center for Security Studies, The Hague, The Netherlands, June 5 2009.*
- 2009 *Invited speaker at the United Nations Permanent Forum on Indigenous Peoples, special workshop on mining and indigenous conflicts, Manila, The Philippines, March 28, 2009.*
- 2008 *Invited participant to the World Economic Forum’s scientists consultative session, Boston, September 2008.*
- 2007 *Selected as a “Revolutionary Mind” by Seed magazine (circulation of 500,000).*
- 2007- *Diamonds and Development Initiative, Partnership-Africa-Canada, member of advisory group.*
- 2007- *DeBeers Stakeholder Engagement Forum, Member of stakeholder engagement group*
- 2006 - *United Nations mandated University for Peace, (San Jose, Costa Rica) Senior Fellow.*
- 2007 *Invited speaker at the UCLA forum on establishing an Arab-Israeli confederation.*
- 2007 *Invited speaker at the University of Colorado and the National Summit of Mining Communities (Leadville, Colorado) on environmental conflict resolution in mining sector*
- 2004 – *World Conservation Union (IUCN) / World Commission on Protected Areas, Member of Commission and Task force on Trans-boundary Conservation.*

- 2004 - 2007 Selected member of the expert advisor group on environmental conflicts to the *United Nations Environment Programme*, Nairobi, Kenya
- 2005 Academic observer at the United Nations Permanent Forum on Indigenous Peoples in New York
- 2004 Invited to lead a workshop on conflict resolution by the World Bank at the annual meeting of the Communities and Small-scale Mining program, Colombo, Sri Lanka, October 11-14.
- 2004 Invited speaker on peace parks at the International Environmental Security Conference at the Carnegie Foundation Peace Palace, The Hague, Netherlands, May 7-8, 2004.
- 2003 Invited participant in the United Nations Environment Program first collaborative meeting on environmental conflict resolution, Washington DC. December 3 and 4.
- 2003 Invited participant in the U.K. Department for International Development / World Bank workshop on Communities and Small-scale gold mining, Accra, Ghana.
- 2003 Invited participant and peer reviewer at the World Bank Extractive Industries Review, indigenous rights workshop, organized by the Forest Peoples Programme, Oxford, UK and World Bank African mining workshop in Maputo, Mozambique (unable to attend)
- 2003 Invited participant in the Middle East Environmental Futures project – a collaborative effort between Brown University and York University Canada:  
<http://www.watsoninstitute.org/meef/english/index.cfm>
- 2003-4 *University of the Middle East Faculty Fellowship*, Taught a course on environmental governance to mid-career professionals from the Middle-East – held in Toledo, Spain. Co-directed the institute in sustainable development, 2004
- 2002 *Mongolian Parliament (Great Hural of Mongolia)*, Invited for a scoping visit to develop ways of mitigating conflict between artisanal miners and mining companies in the country.
- 2002 *Beijing University, China, College of Environmental Sciences*: Invited guest lecturer for a one-week module on environmental conflict resolution.
- 2002-present *MIT-Harvard Public Disputes Program*, Harvard Law School, Affiliated faculty member:  
<http://www.pon.harvard.edu/research/projects/pdp.php3>
- 2002-present - *U.S.A.I.D Regional Environmental Initiative for Africa (FRAME): Member of Contact Group and coordinator for Mining projects*. Establishing a network of communities impacted by mining in Africa: [www.frameweb.org](http://www.frameweb.org)
- 2001 – present *Government of Pakistan*, Advisor and curriculum reviewer to Higher Education Commission, Environmental Science and Forestry Curricula
- 1999 *Kristen Finnegan Prize for Excellence in Teaching*, Massachusetts Institute of Technology
- 1998 *Martin Research Fellowship*, Alliance for Global Sustainability: A joint initiative of the University of Tokyo, the Swiss Federal Institute of Technology and the Massachusetts Institute of Technology
- 1997 -- 1999 *Voorhees Scholarship*, Massachusetts Institute of Technology
- 1995 -- 1996 *Donaldson Environmental Fellowship*, Yale University

- 1994 *Marshall-Hoshhauser Prize* for "altruistic community service," Tufts University.
- 1994 *Durkee Scholarship* for chemical research, Tufts University
- 1994 *Phi Beta Kappa*, National Honors Society: elected from Tufts University
- 1992 *The Model United Nations Conference at Harvard University: Outstanding Delegate Award.*

**Select Graduate Research Theses Advised (In addition I also advise on average 10 undergraduate research theses per year)**

Shah, Hajra, *Barriers to Clean Gold technologies in the Artisanal Gold Mining Sector.* Masters in Natural Resources (Fulbright Scholar), 2011.

Pincus, Rebecca, *Implementing national energy security and environmental security through the US federal courts system* (Joint degree student with Vermont Law School), 2010

Doshi, Samir Kiran, *Systems Approach to Ecological Restoration in Appalachia: Regenerating Degraded Coal-Mined Landscapes to Develop Healthy Communities.*” Doctorate in Natural Resources, 2010.

Czermińska, Agata, *Transformation of a Coal Economy: Public Attitudes and Climate Change Policy in Silesia, Poland.* Masters in Natural Resources 2009

Murphy, Kathleen Ann, *Overcoming the Resource Curse in Peru: How Transparency Can Lead to Sustainable Development,* Masters in Natural Resources, 2009.

Huang, Ganlin, *Mining and Tourism: Comparing Spatial Patterns, Socioeconomic Contributions, and Environmental Impacts in China.* Doctorate in Natural Resources, 2008.

Cerretti, Jamie, *Sources of negotiation power in environmental conflicts : the case of oil extraction in the Ecuadorian Amazon,* Masters in Natural Resources, 2007

Lovitz, Sara Beth, *Scales of responsible gold mining : overcoming barriers to cleaner artisanal mining in southern Ecuador,* Masters in Natural Resources, 2006

**MEMBERSHIPS and ASSOCIATION**

- *Member of the Board, Institute for Sustainable Mining (2008 – present)*
- *Member of the Board and Secretary, DMZ Forum, Korea and USA (2010 – present)*
- *Member of the Board of Advisors, International Peace Park Expeditions (2009 – present)*
- *American Association for the Advancement of Science* (invited speaker at 2005 and 2009 meetings at research sessions organized by the National Science Foundation and the U.S. State Department)
- *Society for Conservation Biology (2005- present)*
- *International Studies Association, Environmental Chapter 2004 -- present*
- *Minerals Economics and Management Society* (Conference Chair for Panel on Relationships between Industry and Communities –2005)
- *Vermont Council on World Affairs – 2005*
- *Association of American Geographers (presidential invited member 2006-2007)*

Peer reviewed manuscripts for

- *Cambridge Review of International Affairs* (Taylor and Francis)
- *Journal of Environmental Planning and Management* (Carfax)
- *Journal of Environmental Management* (Elsevier)
- *Journal of Modern African Studies* (Cambridge University Press)
- *Journal of Corporate Citizenship* (Greenleaf, UK)
- *Natural Resources Forum*
- *Public Administration Review*
- *State of the World Reports* (Worldwatch Institute, published by W.W. Norton)
- *Water International* (International Water Resources Association)
- Yale University Press
- University of Chicago Press
- McGraw Hill, Environmental Science Division (text books on environmental science)

Editorial Boards:

*Journal of Peace and Democracy in South Asia*, published in Stockholm, Sweden.  
*Ameriquests*, Vanderbilt University

Award Review:

Grawemeyer Award for Ideas Improving World Order, University of Louisville, Kentucky

Peer reviewer for ongoing projects at the United States Agency for International Development, the World Bank Oil Gas and Mining Department, the Emirates Centre for Strategic Studies,

## **TEACHING EXPERIENCE**

*University of Vermont*

- Indigenous Environment and Development Conflicts (ENVS 295) – S 2007
- Research Methods for Environmental Professionals (ENVS 201)
- Environmental Conflict Resolution (ENVS 295), S 2003
- Introduction to Environmental Studies (ENVS 001), F 2003, F 2004
- Environmental Peace Movements (through continuing education: ENVS 296) F 2003
- Environmental Planning and International Development (ENVS 295) S 2004, S 2005
- Environmental Policy (ENVS 290) F 2005
- Indigenous Rights and Natural Resources (NR 378) S 2005 – co-taught Service learning class
- Guest lectures in courses on International Environmental Studies and Religion and Ecology

*Brown University*

- Environmental Conflict Resolution F 2001
- Environmental Planning S 2002

*Massachusetts Institute of Technology*

- Technical Writing for Chemical Engineers (primary instructor) 1999 - 2000
- Environmental Policy and Regulation (teaching assistant) 1998

*Yale University, School of Forestry and Environmental Studies*

- Environmental Chemistry (teaching assistant) 1995
- Environmental Organic Chemistry (teaching assistant) 1996

## **UNIVERSITY AND COMMUNITY SERVICE**

- Member of Advisory Board to the UVM Continuing Education Program, June 2009 – to present
- President's Commission on Diversity and Inclusion, University of Vermont, member 2007 –
- Committee to establish a graduate institute for policy studies, member 2007-

- Committee to establish Global Studies Program, representative for environmental and natural resources 2006-2007
- Governor's institute in science, invited speaker on climate change conflicts to high school honors students, 2007.
- Hosting an intern at UVM from the Arava Institute (Israel) on a program to promote understanding between Arabs and Jews using the environment as peace-building tool, September-October, 2005, by a grant from the U.S Department of State.
- Community facilitator for "Great Decisions 2005" series on water for the Burnham Memorial Library in Colchester on the world water crisis (October, 2005).
- Faculty Advisor to UVM Muslim Student's Association, organization initiated spring, 2005.
- Presenter and facilitator of a conflict resolution program between America and Islamic cultures at the Osher Life-long learning Institute in Killington, Vermont, summer, Annual.
- Secured mini-grant with Vermont Campus Compact and the United Nations Foundation to bring speakers on the topic of Oil and the Environment to UVM in 2005.
- Member of Honors Studies Committee for Rubenstein School of Environment and Natural Resources, University of Vermont (elected 2004 for a three-year term).
- Faculty liaison at UVM for the Udall Scholarship – Morris K. Udall Foundation
- Member of Diversity task force for Rubenstein School of Environment and Natural Resources, University of Vermont. Given two public presentations to the university community in 2002 and 2003 (one on environmental activism and violence and the second on Pakistani society).
- Member and regular participant in committee on restructuring of Natural Resources Planning program to "Environment, Society and Public Affairs," Rubenstein School of Environment and Natural Resources, University of Vermont (2002-2003)
- Invited participant in the Center for Teaching and Learning's program to promote career development at an early stage in large courses.
- Developed an online class on countering terrorism through mutual understanding between South Asians and Americans taught through continuing education (including students who are Vermont National Guard troops serving in Iraq).
- Working on an initiative for executive education in environmental management and conflict resolution in collaboration with the UVM School of Business.
- Mediating a dispute between a calcium carbonate mining company, community activists and residents and the state of Vermont, under the purview of the Vermont Environmental Commissioner

#### **REFERENCES:**

Dr. Lawrence Susskind, Ford Professor of Environmental Planning, Massachusetts Institute of Technology and Director of The MIT-Harvard Public Disputes Program, 77 Massachusetts Avenue, Cambridge MA 02139. Ph: 617-253-2026, Fx: 617-253-7402, email: [susskind@mit.edu](mailto:susskind@mit.edu)

Dr. Joseph Kalt, Professor of Political Economy, Kennedy School of Government, Harvard University, Cambridge MA 02138, Ph: 617-834-3544. Email: [joe\\_kalt@harvard.edu](mailto:joe_kalt@harvard.edu)

Daniel Esty, Esq. Commissioner Department of Environmental Protection, State of Connecticut and Hillhouse Professor of Environmental Law and Policy, Yale University, 301 Prospect Street, New Haven, CT, 06511, USA. Ph: 203- 432-6256, 432-1602, [daniel.esty@yale.edu](mailto:daniel.esty@yale.edu)

Dr. Geoffrey Dabelko, Director of the Environmental Change and Security Project, Woodrow Wilson International Center for Scholars, Ronald Regan Building, Washington DC 20004, Ph: 202/691-4178, Email: [geoff.dabelko@wilsoncenter.org](mailto:geoff.dabelko@wilsoncenter.org)

Dr. Jared Cohon, President of Carnegie Mellon University, (Former Dean of the Yale School of Forestry and Environmental Studies), 5000 Forbes Avenue, Pittsburgh, PA 15213-3890, Ph: 412-268-2000, email: [jaredcohon@cmu.edu](mailto:jaredcohon@cmu.edu)