Richard A Matthew, PhD

University of California, Irvine, CA 92697-7075

**Key Links**

Email: [rmatthew@uci.edu](mailto:rmatthew@uci.edu)

UCI faculty profile: <http://socialecology.uci.edu/faculty/rmatthew>

Research centers: [www.cusa.uci.edu](http://www.cusa.uci.edu) ; [www.blumcenter.uci.edu](http://www.blumcenter.uci.edu)

Research project: <http://floodrise.uci.edu/>

TEDx lectures: <http://www.youtube.com/watch?v=btxcAEj3puo>

<https://www.youtube.com/watch?v=tlfIRLEKSDQ>

<https://www.youtube.com/watch?v=mFdxJQd8UQA>

Moth story: <http://themoth.org/posts/storytellers/richard-matthew>

## Current Positions (UCI)

Associate Dean, International Programs, School of Social Ecology, UCI (since 2016)

Director, Blum Center for Poverty Alleviation, UCI (since 2014)

Founding Director, Center for Unconventional Security Affairs, UCI (since 2003)

Professor, Planning, Policy and Design; Political Science, UCI (since 1998)

Program Director, PPD PhD Program, UCI (since 2012)

## Current Positions (non-UCI)

Evaluation Group, World Heritage sites (since 2015)

Steering Committee, Environmental Peacebuilding Academy (since 2014)

Member, UN Expert Group on Environment, Conflict and Peacebuilding, Switzerland (since 2008)

Senior Fellow, International Institute for Sustainable Development, Canada/Switzerland (since 1998)

Member, IUCN Commission on Environmental, Economic and Social Policy, Switzerland (since 1998)

## Education

BA, McGill University--Political Science

MA and PhD, Princeton University--Politics

## Research Interests

(a) Environmental stress, poverty and violent conflict

(b) Climate change adaptation in conflict and post-conflict societies

(c) Transitions from crisis to sustainable development

(d) Global trends in relation to poverty and inequality

(e) Community-based flood risk management and modeling tools

e) Transformational media

**Fieldwork Sites**

Cambodia, Democratic Republic of the Congo, Mexico, Nepal, Pakistan, Rwanda, Sierra Leone, Swaziland.

**United Nations Field Missions**

Democratic Republic of the Congo, Rwanda and Sierra Leone.

## Recent Awards and Honors

UCI Engagement Award (2015)

TEDx Speaker (3 times since 2012)

UCI Undergraduate Mentor of the Year Award (2013)

BMW Young World Leader (2012)

The Moth (2013, 2014)

UCI Living Our Values Faculty Honor Roll (2009)

UCI Stewardship Star (twice) (2008)

Certificate of Appreciation, California State Assembly (2007)

Certificate of Special Congressional Recognition, U.S. House of Representatives (2007)

Liberty Medal, Soka Gakkai International (2007)

Certificate of Recognition, City of Los Angeles (2004)

**Recent Major Grants and Gifts**

Co-Principal Investigator, NOAA, $1,200,000 (October 2016 - September 2020).

Principal Investigator, UCOP, $210,000 for on-line education (January 2016-December 2018)

Co-Principal Investigator, NSF - National Science Foundation, $2,800,000 (October 2013 - September 2017).

Principal Investigator, Chehabi Foundation, $50,000 (June 2008-December 2009)

Principal Investigator, Samueli Foundation, $500,000 (June 2008 - December 2015)

Co-Principal Investigator, NSF - National Science Foundation, $727,000 (September 2006 - September 2009)

Selection of Recent Publications

Co-Editor with Harron, C., Goodrich, K., Maharramli, B., and Nizkorodov, E. (2016). *The Social Ecology of the Anthropocene*. World Scientific/Imperial Press.

Co-author with Moftakhari, H., AghaKhouchak, A., Feldman, D., Sweet, W., Luke, A. (2016) Increased nuisance flooding due to sea-level rise: past and future, *Geophysical Research Letters* 42 (22): 9846-9852.

Co-author with Feldman, D., Contreras, S., Karlin, B., Basolo, V., Sanders, B., Houston, D., Cheung, W., Goodrich, K., Reyes, A., Serrano, K., Schubert, J., Luke A. (2016). Communicating Flood Risk: Looking Back and Forward at Traditional Social Media Outlets, *International Journal of Disaster Risk Reduction* 15:43-51.

Co-author with Feldman, D., Contreras, S., Karlin, B., Basolo, V., Sanders, B., Houston, D., Cheung, W., Goodrich, K., Schubert, J., Luke A. (2016). Integrating Resident Digital Sketch Maps with Expert Knowledge to Assess Spatial Knowledge of Flood Risk: A Case Study of Participatory Mapping in Newport Beach, California, *Applied Geography* 74: 56-64.

Co-author with Agius, J. (2015) Climate Change and Disasters. In Koenig, K., Schultz, C., Disaster Medicine, 2e, Cambridge: Cambridge University Press

Co-author with Dunn, H (2015) Natural Resources and Gender in Conflict Settings, *Peace Review* 27(2):156-164.

Editor. (2014) *Environmental Security*, 4-volume set. London: Sage Press.

Author. (2014) Integrating climate change and peacebuilding. *Climatic Change*. March,123:83-93.

Author. (2014). Climate Change and Human Security, revised 2nd edition. In J. DiMento, P. Doughman (Eds.), *Climate Change: What It Means for You, Your Children, and Your Grandchildren.* (pp. 161-180). Cambridge: MIT Press. Revised for second edition 2014.

Co-author with Karlin, B. and N. Davis. (2013) GRASP: Testing an Integrated Approach to Sustainability Education, *Journal of Sustainability Education*, Spring

Author. (2013) Environmental Security. In N. Vig, M. Kraft (Eds.), *Environmental Policy*. Eighth Edition (pp. 344-368) Washington: CQ Press.

Author. (2012). Environment, Conflict and Peacebuilding. In Peter Dauvergne (Ed.) *Handbook of Global Environmental Politics*, Second Edition. (pp. 113-124) London, UK: Edward Elgar.

Co-author with Floyd, R. (Eds.) (2012). *Environmental security: Frameworks for Analysis*. Oxford: Routledge.

Contributor to National Research Council Task Force (2012) *Himalayan Glaciers: Climate Change, Water Resources and Water Security*. Washington: NRC Press.

Author. (2012) Environmental Change, Human Security and Regional Governance: The Case of the Hindu Kush/Himalaya Region. *Global Environmental Politics*. 12:3, 100-118.

Co-author with Karlin, B. (2012). Kony 2012 and the Mediatization of Child Soldiers. *Peace Review*, 24:3, 255-261.

Co-author with Shambaugh, G. (2012). Sword or Sheath? The Benefits of Imperfect Containment. *Japanese Journal of International Security*. March: 35-49.

Co-author with Brooke, R. (2011). *Rwanda: From Post Conflict to Environmentally Sustainable Development*. Geneva: UNEP.

Author. (2011). Regional Dynamics of Environment and Security in Post-Conflict States. *Procedia: Social and Behavioral Sciences*, 14, 28-30.

Author. (2011). Is Climate Change a National Security Issue? *Issues in Science and Technology*, 27:3, 49-60.

Co-author with Garde, A., Saphores, J.-D., Day, K. (2010). Sustainable Neighborhood Development: Missed Opportunities in Southern California. *Environment and Planning B, 37*, 387-407.

Co-author with Shambaugh, G., Silver, R. C., McDonald, B., Poulin, M., Blum, S. (2010). Public Perceptions of Traumatic Events and Policy Preferences during the George W. Bush Administration: A Portrait of America in Turbulent Times. *Studies in Conflict and Terrorism, 33(1)*, 55-90.

Co-author with Hammill, A. (2010). Peacebuilding and Climate Change Adaptation. *St. Antony’s International Review, 5(2)*, 89-112.5.

Co-author with Sexton, R., Beevers, M., Mann, H., van Eeden, M. (2010). *Sierra Leone: Environment, Conflict and Peacebuilding Assessment.* United Nations Environment Programme.

Author. (2010) Climate Change and Peace. In SGI-USA (Eds.) *Voices for a Culture of Peace*. (pp. 34-53). Santa Monica, CA: Culture of Peace Press.

Author. (2010). Climate Change and Environmental Impact. In A. J. Tellis, A. Marble, T. Tanner (Eds.), *Climate Change and Environmental Impact.* Vol. Strategic Asia 2010-11: Asia's Rising Power and America's Continued Purpose. (pp. 205-236). Seattle: National Bureau of Asian Research

Author. (2010). Environment, Conflict and Sustainable Development. In N. Tschirgi, F. Mancini (Eds.), *Security and Development: Critical Connections.* (pp. 47-76). Boulder: Lynne Rienner.

Author. (2010). Reading, Writing and Readiness. In T. Monahan, R. Torres (Eds.), *Schools Under Surveillance: Cultures of Control in Public Education.* Piscataway, NJ: Rutgers University Press

Co-author with Barnett, J., McDonald, B., O’Brien, K. (Eds.), (2009). *Global Environmental Change and Human Security.* Cambridge: MIT Press.

Co-author with Jensen, D., Brown, O. (2009). *From Conflict to Peacebuilding: The Role of Natural Resources.* United Nations Environment Programme.

Co-author with Hammill, A., Crawford, A., Craig, R., Malpas, R. (2009). *Conflict-Sensitive Conservation: Practitioners’ Manual.* International Institute for Sustainable Development.

Co-author with Sexton, R., Mann, H., van Eeden, M. (2009). *UNEP Mission Report: Peacebuilding and Environmental Management Issues Relating to Natural Resources in Sierra Leone.* United Nations Environment Programme.

Co-author with Wapner, P. (2009). The Humanity of Global Environmental Ethics. *Journal of Environment and Development, 18*, 203-222. (Articled translated into Vietnamese by the Journal Donation Project at The New School, 2009).

Co-author with Hammill, A. (2009). Climate Change and Sustainable Development. *International Affairs, 85(6)*, 1117-1128.

Author. (2009). Environmental Security. In N. Vig, M. Kraft (Eds.), *Environmental Policy: New Directions for the Twenty-First Century.* 7th edition. (pp. 327-348). Washington: CQ Press

Co-author with McDonald, B. (2009). Cities Under Siege: Urban Planning and the Threat of Infectious Diseases. In E. Birch (Ed.), Vol. *The Urban and Regional Planning Reader*. (pp. 496). New York, USA. Routledge. 978-0-415-31998-0.

Co-author with Goldsworthy, H., McDonald, B. (2009). Rethinking Environmental Ethics. In A. Franchescet (Ed.), *The Ethics of Global Governance.* (pp. 141-157). Lynne Reinner Press.

Co-author with McDonald, B. (2009). Environmental Security Concepts and Debates in North America. In Brauch et al. (Eds.), *Facing Global Environmental Change: Environmental, Human, Energy, Food and Water Security Concepts.* (pp. 791-802). Berlin: Springer.

Author. (2008). Climate Change: A Threat Assessment. In C. Pumphrey (Ed.), *Global Climate Change: National Security Implications.* (pp. 55-68). Strategic Studies Institute/Triangle Institute for Security Studies.

Co-author with Hammill, A., McCarter, E. (2008). Microfinance and Climate Change Adaptation. *Bulletin of International Development Studies, 39(4)*, 113-122. (Article highlighted at: http://www.eldis.org/go/display&id=40959&type=Document&emnotif160109. Article reprinted in Global Approach to Microfinance (India: The Institute of Chartered Financial Analysts of India University Press, 2009)..

Co-author with Upreti, B. R. (2007). Environmental Stress and Demographic Change in Nepal: Underlying Conditions Contributing to a Decade of Insurgency. *Environmental Change and Security Project Report, 11*, 29-39. (The issue this article appeared in won the 2007 Global Media Award for Excellence in Population Reporting.)

Co-author with Hammill, A. (2007). Resource Rights and Conflict in South Asia. *Peace Review, 19(1)*

Co-author with Barnett, J., O'Brien, K. (2007). Global Environmental Change and Human Security. In Brauch et al. (Eds.), *Globalization and Environmental Challenges: Reconceptualizing Security in the 21st Century.* (pp. 355-362). Berlin: Springer.

Author. (2007). Climate Change and Human Security. In J. DiMento, P. Doughman (Eds.), *Climate Change: What It Means for You, Your Children, and Your Grandchildren.* (pp. 161-180). Cambridge: MIT Press.

## Selection of Recent Presentations

Environmental Change, Poverty and Acute Violence: Transitioning from Crisis to Sustainability. Monterey Institute for International Studies, 7/27/16.

Global Food Security: Challenges and Opportunities. Association for Environmental Studies and Sciences Annual Conference, Washington, DC, 6/11/16.

Keynote Address: Sustainable Development. 24th Annual UCI Model UN, Irvine, CA, 5/28/16.

Keynote Address: The Plight of Refugees Today. Refugee Awareness Week, Irvine, CA, 4/11/16.

New Approaches to Reducing Flood Risk. Stockholm International Water Institute, Stockholm, Sweden, 2/22/16.

Environmental Peacebuilding. Watson University, Boulder, CO, 2/11/16.

FloodRISE. AGU Annual Meeting, San Francisco, CA, 12/18/15.

The Water-Energy-Food Climate NEXUS. CIGI/University of Waterloo. Workshop, 3/24-25/14.

Climate Change and Peace. Orfalea Center, Workshop on Climate Change, University of California, Santa Barbara, Santa Barbara, CA, 2/24/12.

Keynote Address: The Environment and Human Security. Workshop on Human Security, University of Northeastern Illinois, Chicago, IL, 3/29/12.

South Asia Regional Security. Woodrow Wilson Center, Washington, D.C., 4/11/12.

Climate Change Adaptation and Mitigation in Peacebuilding Countries. Workshop on Climate Change and Security, Sciences Po, Paris, France, 5/2/12.

Climate Change and Security in the Himalaya-Hindu Kush Region. National Research Council Workshop, Washington, D.C., 10/21/11.

Keynote Address: Environment, Conflict and Peace. United Nations/Columbia University Workshop, New York, NY, 11/03/11.

**Administrative Experience**

Associate Dean, International Programs, School of Social Ecology, UCI (since 2016)

Founding Director, Blum Center for Poverty Alleviation, University of California, Irvine, 2014-present

<http://blumcenter.uci.edu/>

Core Management Team, Environmental Peacebuilding Academy, 2014-present

<http://www.environmentalpeacebuilding.org/education/academy/>

Program Director, PPD PhD Program, University of California, Irvine, 2013-2016

Founding Director, Center for Unconventional Security Affairs, 2003 - Present

<http://www.cusa.uci.edu/>

Working Group, Strategic Planning, UCI, 2015-2016

Chair, Sustainability Education Task Force, UCI, 2012-2016.

Chair, Subcommittee on International Education, 2010-13

Program Director, Master of Urban & Regional Planning Program, University of California, Irvine, 2006-08

Science Management Team, Global Environmental Change and Human Security Programme (IHDP), 1996-2006.

Director, Scholars Program, Georgetown University, 1994-98

**Career Highlights**

Founding Director of the Center for Unconventional Security Affairs and the Blum Center for Poverty Alleviation, both at the University of California Irvine

Played leadership role in a successful effort to formulate and design the integration of natural resource management into United Nations peacebuilding activities

Helped establish the research field of environmental security, including producing seven volumes synthesizing research, co-founding the Global Environmental Change and Human Security Programme (IHDP), and founding the Center for Unconventional Security Affairs (UCI)

Established the Human Security Award in 2003 to recognize the efforts of individuals and groups to protect and empower the world’s most vulnerable people. Recipients include: Bobby Bailey, Laren Poole and Jason Russell (Invisible Children); David Bornstein; Alexandra Cousteau (Blue Legacy); General Romeo Dallaire; Matthew Desmond (Harvard University); Jessica Jackley (Kiva); Mark Johnson and Whitney Burditt (Playing for Change); Heather McCartney; James Orbinski (Doctors without Borders); Ken Rutherford (Landmine Survivors Network); and Zainab Salbi (Women for Women).

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Three-time TEDx speaker and two-time The Moth speaker

Leadership role in redesigning UCI’s sustainability minor and assisted in crafting the Master of Public Policy degree

Led or co-led successful fundraising efforts yielding over $8 million since 2006

Co-developed a two course sequence on sustainability for undergraduates and then grew this from 60 to over 300 students

Pioneering on-line education on poverty and inequality for the University of California system, and on environmental peacebuilding with Columbia, Duke, ELI and the United Nations

Have mentored over 100 UROP and SURP students and supported student research in 30 countries

Have established an immersive field study site in La Paz, Mexico and am working on two other sites in Africa (Swaziland and Uganda)

Have over 170 publications and have given over 100 invited talks in over 15 countries