

Jamie W. McCaughey

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Education

PhD, Environmental Systems Science, ETH Zürich, Switzerland

2018, dissertation: Migration and evacuation in response to coastal hazards.

MS, Geological Sciences, University of Nevada, Reno, USA

2003, thesis: Pleistocene glaciation of the southwest Tahoe basin, Sierra Nevada.

BA, Geological Sciences, State University of New York at Geneseo, USA

1998, senior study: Historical migration of Genesee River meanders.

Postgraduate Certificate in Social Research Skills, University of Ulster, UK

2016

Certificate in Community-Based Development, Colorado State University, USA

2010, International Institute for Sustainable Development.

Secondary Teacher Preparation Program: Earth, Physical, and General Science

2003, University of Nevada, Reno, USA.

Work experience

AXA Postdoctoral Research Fellow, Weather and Climate Risks, ETH Zürich, Switzerland

2018-present. Researching societal adaptation to weather and climate risks.

Community Engagement, Earth Observatory of Singapore, Nanyang Technological University

Singapore, 2010-2018.

- Co-Investigator on 'Aftermath of Aid', an interdisciplinary social science research project investigating long-term outcomes of the international reconstruction following the 2004 tsunami in Aceh, Indonesia; assisted in managing field team with 41 full-time staff
- In western Sumatra, shared earthquake/tsunami hazard science and collaborated with local government and NGOs for risk reduction programmes
- Co-designed joint EOS / Science Centre Singapore permanent exhibit: 'Earth: Our Untamed Planet (~S\$2.5m, 550 m²)
- Led professional development workshops for teachers, developed teaching resources, and reviewed curricula and textbooks for the Singapore Ministry of Education (MoE)

Research Experience for Teachers, Harvard-Smithsonian Center for Astrophysics Solar and Stellar X-Ray Group

Cambridge, MA, USA, summers 2006-2009. Researched microflares and coronal mass ejections using IDL to process and analyze X-ray image data from Hinode/XRT.

Science Teacher, Acton-Boxborough Regional High School

Acton, MA, USA, 2005-2010. Taught Accelerated/Enriched and Honors Earth Science, Biology, and Astronomy to students in grades 9-12 (ages 14-18).

Teacher (Years 6-8), Brookfield School

Reno, NV, USA, 2003-2005. Taught science, math, history, and grammar.

Recent publications

- McCaughey, JW, Daly, P, Mundir, I, Mahdi, S, and Patt, A (2018) Socio-economic consequences of post-disaster reconstruction in hazard-exposed areas, *Nature Sustainability* 1 (38-43)
doi:10.1038/s41893-017-0002-z
<https://www.nature.com/articles/s41893-017-0002-z>
- McCaughey, JW, Mundir, I, Daly, P, Mahdi, S, and Patt, A (2017) Trust and distrust of tsunami vertical evacuation buildings: Extending protection motivation theory to examine choices under social influence, *International Journal of Disaster Risk Reduction* 24 (462-473)
doi:10.1016/j.ijdr.2017.06.016
<http://www.sciencedirect.com/science/article/pii/S2212420917302108>
- McCaughey, JW, Mundir, I, Safrina, L, Rosemary, R, Mahdi, S, Daly, P, and Patt, A (2019) Feelings rather than deliberative perceptions drive protective behavior in a crisis (In review)

Grants**AXA Postdoctoral Research Fellowship**

€125,000, 2020-2022, Principal Investigator, Human migration and adaptation to sea-level rise in highly stressed coastal social-ecological systems.

World Bank Innovation Fund

US\$248,000, 2018-2019, Co-Investigator and lead social scientist, Informatics for equitable recovery: long-term impacts and resilience following the 2015 Nepal earthquake.

Aftermath of Aid (Earth Observatory of Singapore Research Grant)

SGD\$570,000, 2013-2017, Co-Investigator, interdisciplinary social science research project on long-term outcomes following 2004 tsunami and international reconstruction in Aceh, Indonesia.

Education for disaster risk reduction, Mentawai Islands and Padang City, Indonesia (Earth Observatory of Singapore Research Grant)

SGD\$75,300, 2011-2014, Co-Investigator, supported efforts to communicate earthquake/tsunami hazard and collaborate with local stakeholders for risk reduction.

Geological Society of America Summer Research Grant

US\$2440, 2000-2001, supported field work for my M.S. thesis on the glacial geology of the southwest Tahoe basin.

Awards**Outstanding Student Poster and PICO Award**

2017, European Geosciences Union General Assembly, for 'Societal acceptance of unnecessary evacuation'.

Outstanding Masters Degree Student in Geological Sciences

University of Nevada, Reno, academic year 2000-2001.

**Women's Auxiliary to the American Institute of Metallurgical Engineers
Scholarship-Loan**

2000-2001, supported academic and living expenses during the academic year, US\$8000.

Megathlin Award for Outstanding Senior in Geological Sciences

1998, SUNY Geneseo.

Conference presentations & other publications

- McCaughey, J, Feener, M, Mundzir, I, Hayatullah, and Daly, P (2018) Finding the right metrics of vulnerability and resilience: Correct and incorrect simplifications of behavioral factors, European Geosciences Union General Assembly, Vienna, 9-13 Apr.
- McCaughey, J (2018) Migration and evacuation in response to coastal hazards, Rideralp Workshop on Exposure, Vulnerability, and Resilience of Human Societies, Riederalp, 20-24 Mar.
- McCaughey, J, Daly, P, Mundzir, I, Mahdi, S, and Patt, A (2016) Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh, Global Risk Forum International Disaster and Risk Conference, Davos, 28 Aug - 1 Sep.
- McCaughey, J, Mundzir, I, Patt, A, Rosemary, R, Safrina, L, Mahdi, S, and Daly, P (2016) Social acceptance of unnecessary evacuation, Global Risk Forum International Disaster and Risk Conference, Davos, 28 Aug - 1 Sep.
- McCaughey, J, Mundzir, I, Daly, P, Mahdi, S, and Patt, A (2016) Distrust of tsunami vertical evacuation buildings, Global Risk Forum International Disaster and Risk Conference, Davos, 28 Aug - 1 Sep.
- McCaughey, J, Daly, P, Mundzir, I, Mahdi, S, and Patt, A (2016) Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh, International Geographical Congress, Beijing, 21-25 Aug.
- McCaughey, J, Daly, P, Mundzir, I, Mahdi, S, and Patt, A (2016) Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh, European Geosciences Union General Assembly 2016, Vienna, 17-22 Apr.

Public/policy engagement with science

- McCaughey, J, Dewi, PR, Mundzir, I, Rosemary, R, Safrina, L, Daly, P, and Patt, A (2014) The science between tsunami science and evacuation decisions, 2014 Fall Meeting, AGU, San Francisco, Calif., USA, 15-19 Dec.
- McCaughey, J, and Dewi, PR (2013) University-NGO connections for earthquake and tsunami risk reduction: lessons learned in West Sumatra, 2013 Fall Meeting, AGU, San Francisco, Calif., USA, 9-13 Dec.
- McCaughey, J., Dewi, PR, Natawidjaja, D, and Sieh, K (2012) Constructivist learning at the science-policy interface: tsunami science informing disaster policy in West Sumatra, 2012 Fall Meeting, AGU, San Francisco, Calif., USA, 3-7 Dec.
- McCaughey, J, Lubis, AM, Sinaga, B, Huang, Z, Yao, Y, Hill, E, Dewi, PR, Eriksson, S, Sieh, K, and Natawidjaja, D (2012) [Invited] Partnerships for outreach: earthquake and tsunami hazard in West Sumatra, 2012 AOGS-AGU Joint Assembly, Singapore, 13-17 Aug.
- Yao, Y, Huang, Z, Lubis, A M, Hill, E, McCaughey, J, and Li, L (2012) Numerical simulations of tsunami inundation for the Mentawai Islands, Indonesia - a scenario study using high-resolution topographic data, 2012 AOGS-AGU Joint Assembly, Singapore, 13-17 Aug.
- McCaughey, J, Lubis, A M, Huang, Z, Yu, Y, Hill, EM, Eriksson, S, and Sieh, K (2012) Earthquake and tsunami hazard in West Sumatra: integrating science, outreach, and local stakeholder needs, presented at EGU (General Assembly 2012, Vienna, Austria, 22-27 April.
- McCaughey, J, Lubis, A, Qiang, Q, Huang, Z, Hill, E, Natawidjaja, D, and Sieh, K (2011) User-driven science: earthquake and tsunami scenarios for Mentawai Islands, western Sumatra, presented at 2011 Fall Meeting, AGU (American Geophysical Union), San Francisco, Calif., USA, 5-9 Dec.

Science education & communication

- McCaughey, J, and Finnigan, D, (2017) Using systems gaming to explore decision-making under uncertainty in natural hazard crises, European Geosciences Union General Assembly, Vienna, 24-28 Apr.
- Finnigan, D, and McCaughey, J (2017) A toolkit of systems gaming techniques, European Geosciences Union General Assembly, Vienna, 24-28 Apr.
- McCaughey, J (2016) The Earth as a physics laboratory. Physics Instructional Programme Support Group, Singapore Ministry of Education, Jan-2016.
- McCaughey, J (2014) Technologies for Inquiry-Based Learning in the Geography Classroom. International Conference on Teaching and Learning with Technology, Singapore, Apr-2014.
- McCaughey, J, Rubin, CM, Eriksson, SC, Hill, EM, Phua, A, and Yong, F (2013) From direct instruction to inquiry learning in the earth sciences: common challenges and opportunities across cultures in the Singapore context, 2013 Fall Meeting, AGU, San Francisco, Calif., USA, 9-13 Dec.
- Eriksson, SC, McCaughey, J, and de Silva, S (2013) Field seminars take inquiry to the volcanoes of Southeast Asia, 2013 Annual Meeting, Geological Society of America, Denver, Colo., USA.
- Olds, S, Pratt-Sitaula, B, and McCaughey, J (2012) Measuring plate movement with GPS to understand earthquake hazard, AGU-NESTA GIFT: Geophysical Information for Teachers Workshop, AGU Fall Meeting, San Francisco, Calif., USA, 2-7 Dec.
- Chong, E, McCaughey, J, Tan, GCI, Ng, HK, Nadarajah, VR, Costa, F, Bouvet de Maisonneuve, C, Ratdomopurbo, A, and Eriksson, S (2012) An active volcano - where scientists and teachers cause explosive inquiry-based learning to erupt, 2012 AOGS-AGU Joint Assembly, Singapore, 13-17 Aug.
- McCaughey, J, Goh, KK, Chong, E, and Tan, D (2012) Earth science, science centre, and classroom: collaboration for communication, 2012 AOGS-AGU Joint Assembly, Singapore, 13-17 Aug.
- McCaughey, J, Chong, ESF, and Eriksson, S, (2011) Enhancing the earth-science content and inquiry basis of physical geography education in Singapore schools, presented at 2011 Fall Meeting, AGU, San Francisco, Calif., USA, 5-9 Dec.

Solar physics

- McCaughey, J, Hannah, I, Reeves, KK, Grigis, P, and DeLuca, E (2008) The Neupert effect in microflares with Hinode/XRT and RHESSI, presented at Hinode-2 Science Meeting, Boulder, USA.
- Su, Y, van Ballegoijen, A, McCaughey, J, DeLuca, E, Reeves, KK, and Golub, L (2007) What determines the intensity of solar flare/CME events? *The Astrophysical Journal*, 665, 1448. doi:10.1086/519679

Geoscience

- McCaughey, J (2003) Pleistocene glaciation of the southwest Tahoe basin, Sierra Nevada, California: University of Nevada, Reno, M.S. thesis, 179 p.
- McCaughey, J, and Schweickert, RA (2000) Relative dating of Pleistocene moraines, southwest Tahoe basin, California. *Abstracts with Programs - Geological Society of America*, 32(7): 67.

Invited lectures/workshops: Academic

- College of Agricultural and Marine Sciences, Sultan Qaboos University, Oman, 'Adaptation to sea-level rise and coastal disasters', Feb-2019.
- International Institute for Population Studies, Mumbai, India, 'Disasters and migration in a changing climate', Feb-2019.
- Institute for Environmental Decisions Seminar, ETH Zürich, 'Poverty as a proxy for vulnerability: Impacts and recovery from the 2015 Nepal earthquake', Jan-2019.
- Weather and Climate Risks Group Seminar, ETH Zürich, 'Cooperation or conflict? Adaptation to sea-level rise in highly stressed social-ecological systems', Dec-2018.
- Weather and Climate Risks Group Seminar, ETH Zürich, 'Socio-economic vulnerability to natural hazards', Oct-2018.

Paris School of Economics, Climate Change Impacts, Modelling, and Regulation Summer School, 'Migration in response to coastal hazards, Jun-2018.

Earth Observatory of Singapore Seminar Series, 'Migration and evacuation in response to coastal hazards', Feb-2018.

Asian School of the Environment, Nanyang Technological University, Singapore, annual guest lecture for 400-600 undergraduate students in *Natural hazards, climate change, and society*, 'Living with natural hazards', 2014-2017.

Graduate Institute of International and Development Studies (IHEID), Geneva, Centre for International Environmental Studies Lunch Seminar, 'Rebuilt risk: involuntary return, voluntary migration, and socioeconomic segregation in post-tsunami Aceh', Mar-2016.

Climate Policy group seminar, ETH Zürich, 'Adjusting to tsunami risk: migration and evacuation decisions in post-tsunami Aceh', Feb-2016.

Earth Observatory of Singapore Seminar Series, 'Adjusting to tsunami risk: migration and evacuation decisions in post-tsunami Aceh', Jan-2016.

Future Cities Laboratory, Singapore-ETH Centre, National University of Singapore, Lunch Talk, 'Living with tsunami risk: migration and evacuation decisions', Nov-2015.

Environment and Sustainability Research Cluster, Nanyang Technological University, Sustainability Salon, 'Living with tsunami risk', Oct-2015.

Roundtable with Prime Minister's Scholarships for Asia recipients (New Zealand undergraduates), Banda Aceh, Indonesia, Jun-2015.

Climate Policy group seminar, ETH Zürich, 'Living with tsunami risk: individual and household decisions', Apr-2015.

Human-Environment Systems group seminar, ETH Zürich, 'The social side of tsunami early warning', Mar-2014.

School of Humanities and Social Sciences, Nanyang Technological University, Singapore, guest lecture in The Environment in History, 'Convenient fuels and inconvenient truths: a short history of carbon', Oct-2013.

Padjajaran University, Bandung, Indonesia, Seminar with Faculty of Communication and the Indonesian Institute of Sciences, 'Salah kaprah dalam komunikasi dan pendidikan ilmu pengetahuan alam: case study pengurangan risiko bencana', Seminar: Diseminasi Informasi Penelitian Kebencanaan Fakultas Ilmu Komunikasi Universitas Padjajaran dan Pusat Penelitian Geoteknologi, Lembaga Ilmu Pengetahuan Indonesia, *Misconceptions in science communication and education: case study of disaster-risk reduction*, Seminar: Dissemination of disaster research, Jatinangor, Java, Indonesia Oct-2013.

Islamic State University Ar-Raniry, Banda Aceh, Indonesia, Seminar: Towards Improving Islamic Higher Education Quality, 'Pendidikan ilmu pengetahuan alam di universitas: gempa/tsunami di Aceh dan pengintegrasian ilmu alam dengan ilmu sosial' (*Science education at the university level: case study of earthquakes and tsunamis in Aceh integrating earth science and social science*), Sep-2013.

International Centre for Aceh and Indian Ocean Studies, Banda Aceh, Indonesia, Dialogue Forum Between Science and Religion, 'Gempa dan tsunami di wilayah Aceh: pengetahuan dari perspektif ilmiah' (*Earthquakes and tsunami in Aceh: knowledge from the scientific perspective*), Jun-2013.

Earth Observatory of Singapore Seminar Series, 'A private universe: the challenge of misconceptions and implications for science communication'. (w/ Susan Eriksson), May-2012.

Invited lectures/workshops: Government agencies and NGOs

Sphere Project: Humanitarian Charter and Minimum Standards in Humanitarian Response, Consultation and input on Sphere Handbook 2018 revision, S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore, Nov-2017.

Bengkulu Province Disaster Management Agency & Indonesian Agency for Meteorology, Climatology, and Geophysics, 'Pengetahuan gempa dan tsunami: Pengalaman dalam hal komunikasi risiko bencana', (*Understanding earthquakes and tsunamis: Experiences in communicating disaster risk*), Bengkulu City, Nov-2013.

Singapore MoE Security and Emergency Planning Office, 'Singapore: an often-quiet corner of a very active region of our planet', May-2013.

- Padang City Government (convened by Disaster Management Agency w/ Kogami), Indonesia, Workshop Penyusunan Rencana Kontinjensi Menghadapi Bencana Tsunami di Kota Padang, Badan Penanggulangan Bencana Daerah Kota Padang, 'Gempa bumi dan tsunami di Sumatera: bagaimana memperkirakannya?' (*Earthquakes and tsunamis in Sumatra: how can we estimate the hazard?*) Workshop to develop a tsunami contingency plan for Padang City, Padang City Regional Disaster Management Agency, Sep-2012.
- West Sumatra Provincial Government (convened by Disaster Management Agency w/ Danny Hilman & Kogami), Discussion Forum: Skenario Kejadian Tsunami yang Diakibatkan oleh Gemoa 8,8 SR di Provinsi Sumatera Barat (*Discussion Forum: Scenario of a Tsunami and M8.8 Earthquake in West Sumatra Province*), Feb-2012.
- Mentawai Islands Regency Disaster Management Agency (w/ SurfAid), Workshop Membangun Strategi dan Keberlanjutan Rencana Penanggulangan Bencana di Kabupaten Kepulauan Mentawai (*Workshop to develop strategy and planning for disaster-risk reduction in the Mentawai Islands Regency*), 'Ancaman gempa dan tsunami di Kepulauan Mentawai' (*Earthquake and tsunami risk in the Mentawai Islands*), Tuapeijat, Mentawai, Indonesia, Sep-2011.
- Mentawai Islands Regency Department of Education, joint teacher workshop with SurfAid (NGO), Sikakap, Mentawai, Indonesia, 'Memasukkan pengurangan risiko bencana ke dalam mata pelajaran sekolah dasar: gempa bumi dan tsunami di wilayah Kepulauan Mentawai'. (*Integrating disaster-risk reduction in the elementary-school curriculum: earthquakes and tsunamis in the Mentawai Islands*), Aug-2011.
- Ready Mentawai (NGO), Sikakap, Mentawai field office, 'Ancaman gempa dan tsunami di Kepulauan Mentawai' (*Earthquake and tsunami risk in the Mentawai Islands*), Aug-2011.
- SurfAid (NGO), Sikakap, Mentawai field office, 'Ancaman gempa dan tsunami di Sumatera Barat' (*Earthquake and tsunami risk in West Sumatra province*), Aug-2011.
- Tsunami Alert Community (Kogami, NGO), 'Ancaman gempa dan tsunami di Sumatera Barat' (*Earthquake and tsunami risk in West Sumatra province*), Aug-2011.
- Disaster Management Agency for West Sumatra Province (w/ Kogami), 'Ancaman gempa dan tsunami di Sumatera Barat' (*Earthquake and tsunami risk in West Sumatra province*), May-2011.
- Disaster Management Agencies for Mentawai Islands Regency and West Sumatra Province, joint workshop with MercyCorps, Padang, 'Kesempatan kerjasama di antara para ilmuwan dan para pemangku kepentingan dalam pengurangan risiko bencana.' (*Collaboration between scientists and stakeholders in disaster risk reduction.*) Workshop Semiloka Peningkatan Kapasitas Pemerintah Dalam Penganggulangan Bencana, Padang, Indonesia, May-2011.

Invited lectures/workshops: Teacher professional development provided

- Singapore Ministry of Education & Academy of Singapore Teachers, 'Volcanoes and plate tectonics in the classroom' (w/ Dawn Ruth), Jul-2016.
- Singapore Ministry of Education & Physics Instructional Programme Support Group, 'The Earth as a physics learning laboratory', Jan-2016.
- Singapore Ministry of Education, Educational Technology Division, 'Technologies of scientific inquiry, technologies of inquiry learning', Apr-2014.
- Singapore Ministry of Education & Science Centre Singapore, 'Weather and climate through inquiry learning', Apr-2014.
- Singapore Ministry of Education, Educational Technology Division, 'Interactive GIS applications to help students learn plate tectonics', Feb-2014.
- Singapore Ministry of Education & Academy of Singapore Teachers, 'Plate tectonics through inquiry learning', Feb-2014.
- Singapore Ministry of Education, Academy of Singapore Teachers, & National Institute of Education, 'Volcanology field seminar at Batur volcano' (w/ Antonius Ratdomopurbo, Kaler Surata), Kintamani/Tampaksiring/Ubud, Bali, Indonesia, Jun-2013.

Singapore Ministry of Education & Academy of Singapore Teachers, 'Plate tectonics through inquiry learning' (w/ Susan Eriksson), Jan-2013.

Academy of Singapore Teachers, 'MRT to magma chamber: field inquiry on plate tectonics and the rock cycle at Little Guilin, Singapore', Mar-2013.

Singapore International Science Teachers Conference, Singapore Ministry of Education & Science Centre Singapore, 'Using science to understand how the Earth works', Nov-2012.

Southeast Asian Geography Association 11th Conference, 'MRT to magma chamber: field inquiry on plate tectonics and the rock cycle at Little Guilin, Singapore', Nov-2012.

Singapore Ministry of Education, Academy of Singapore Teachers, & National Institute of Education, 'Volcanology field seminar on Merapi volcano' (w/ Antonius Ratdomopurbo, Fidel Costa, Caroline Bouvet de Maisonneuve, Susan Eriksson) Yogyakarta, Indonesia, Jun-2012.

Humanities Educators Conference, Singapore Ministry of Education, Raffles Institution, 'Simple messages are not simple: connecting earthquake and tsunami hazard research to risk-mitigation practice in West Sumatra', May-2012.

Humanities Educators Conference, Singapore Ministry of Education, Raffles Institution, 'Volcanoes, earthquakes, and plate tectonics in Sumatra: an inquiry workshop with authentic data. (w/ Susan Eriksson), Singapore, May-2012.

Singapore Ministry of Education, Academy of Singapore Teachers, & Science Centre Singapore, 'Secondary geography classroom integration of the exhibition Earth: Our Untamed Planet', Apr-2012.

Singapore Ministry of Education, Academy of Singapore Teachers, & Science Centre Singapore, 'A-level geography classroom integration of the exhibition Earth: Our Untamed Planet', Apr-2012.

Hwa Chong Institution, Singapore, 'How can we live safely and sustainably on this dynamic planet?' Apr-2012.

Republic Polytechnic, Singapore, Science Congress 2012, 'GPS: a new view of earthquakes', Jan-2012.

Rotary Club of Singapore West, 'Singapore: an often-quiet corner of a very active region of our planet', Sep-2011.

Singapore Ministry of Education & Raffles Institution, 'Climate-change science: an inquiry approach', Apr-2011.

Singapore Ministry of Education & Raffles Institution, 'Atmosphere and weather: an inquiry approach', Mar-2011.

Hwa Chong Institution, Singapore, 'Earth systems science', Mar-2011.

Singapore Ministry of Education, Academy of Singapore Teachers, & National Institute of Education, 'Volcanology field seminar on Merapi volcano', (w/ Chris Newhall, Antonius Ratdomopurbo) Yogyakarta, Indonesia, Nov-2010.

Skills

Languages:

English: *native*

Indonesian: *fluent*

Malay, French, Spanish: *intermediate*

German: *basic*

Swedish: *stored somewhere in long-term memory*

Computer:

Proficient: R (statistical programming), LaTeX (typesetting), HTML, MaxQDA (qualitative data analysis)

Some experience: GMT (Generic Mapping Tools), SQL (database language), IDL (Interactive Data Language), ArcGIS, QGIS, NetLogo

Laboratory:

Luminescence dating, SEM, sedimentology, rock thin-section preparation, petrographic analysis, paleomagnetism

Other service

Conference organiser:

Co-convener, Society for Risk Analysis Europe Annual Meeting, 2016, symposium: 'The social side of early warning and evacuation decisions' (w/ Anna Scolobig)
Co-convener, American Geophysical Union Fall Meeting 2014, Seismology session: 'Science and societal lessons from a decade of giant megathrust earthquakes'. (w/ Andrew Newman, Lujia Feng, Aron Meltzner)
Selection committee, International Centre for Aceh and Indian Ocean Studies 5th Conference, 2014

Reviewer:

World Development
Natural Hazards
Natural Hazards Review
International Journal of Disaster Risk Reduction
Asian Journal on Environmental and Disaster Management

Committees:

International Advisory Board, International Centre for Aceh and Indian Ocean Studies, Indonesia
Hiring committee for Education and Outreach Director, Earth Observatory of Singapore
Co-chair, Northeastern Association for Schools and Colleges (NEASC, USA) Accreditation Committee for Curriculum and Instruction, Acton-Boxborough Regional High School, MA, USA