



**XXIst International
Conference of the
Society for Human Ecology
(SHE)**



***Shaping a Livable Future:
Research – Education – Policy***

Santa Ana, California

April 12 – 15, 2016

Area Map



Holiday Inn Orange County Airport



For your convenience, we offer:

- Complimentary shuttle service to/from John Wayne Orange County Airport
- Complimentary shuttle service to/from Disneyland Resort

Service provided based on availability. Please contact our Front Desk Staff for hours.

Local Attractions

• Anaheim Convention Center	12.0 Miles	714-999-8950
• Anaheim Stadium	11.0 Miles	714-254-3000
• Bowers Museum	5.0 Miles	714-567-3600
• Disneyland Resort	12.0 Miles	714-999-4565
• Fashion Island	7.0 Miles	949-721-2022
• Main Place Mall	5.0 Miles	714-547-7000
• Newport Beach/Harbor	9.0 Miles	949-772-1611
• Orange County Performing Arts	3.0 Miles	714-556-2787
• Santa Ana Zoo	3.0 Miles	714-835-7484
• South Coast Plaza	3.0 Miles	714-453-2000
• Tustin Marketplace	5.5 Miles	714-730-4121
• Tustin Ranch Golf Club	5.0 Miles	714-730-1611
• University of Irvine	6.0 Miles	949-824-5011
• Verizon Amphitheater	10.0 Miles	949-855-4515

General Information

Conference Venue

The SHE-XXI meeting will take place in the heart of Orange County near many of Southern California's most popular attractions such as the Segerstrom Center for the Arts, Santa Ana Zoo and Knott's Berry Farm. Other nearby attractions include Newport Beach, Disneyland and South Coast Plaza — with world-renowned shopping and exquisite dining options.

Accommodations:

The SHE-XXI meeting is using the conference facilities of Holiday Inn Santa Ana. The Holiday Inn is also the recommended venue for conference attendees — providing free guest parking, wireless internet, and complimentary shuttle service to nearby Orange County – John Wayne (SNA) airport, as well as the South Coast Plaza.

Reservations may be made via phone or online at <http://www.holidayinn.com/hotels/us/en/santa-ana/jwaca/hoteldetail?groupCode=ECO> Please note that any reservations outside the group dates (April 11 – 16, 2016) may not be made online. If you would like to inquire about additional dates, please contact Edward Mendoza at 714-481-6305.

Reservations may also be made by calling 855-846-7312. Please ask for the "The Society for Human Ecology" Reservationists should be able to view your group information with just the name of your group, but you may also reference block code: ECO Note that your reservation must be made no later than March 18, 2016.

Of course, attendees may also choose to stay at other nearby hotels, which can be found via Hotels.com, Kayak, Travelocity or similar on-line sites.

Travel:

The closest major airport is Orange County-John Wayne (SNA), two miles from the conference facilities. The Holiday Inn Orange County Airport offers a complimentary shuttle service to and from John Wayne International Airport. To request service, please call the hotel at 714-481-6300 after retrieving your luggage and going to the "Ground Transportation/Courtesy Shuttle" pickup area outside the terminal.

Air travelers may also use Los Angeles International Airport (LAX), 40 miles away, where they can find rental cars, super shuttle, or other ground transportation options. There is a train link from Los Angeles Union Station to Santa Ana, but you will still need to cab or be prepared to walk 3.5 miles. There is no connecting flights from LAX to Orange County airport

Driving:

From the 405 Freeway to the 55 Freeway North exit at Dyer Road. Make a left onto Dyer Road and a right at the next light, which is Grand Avenue. The hotel will be on your left hand side about a half of a block down.

From the 5 Freeway to the 55 Freeway South exit Dyer West and turn left in Grand. The hotel is located on your right hand side one block South.

From The Orange County Airport exit directly onto the 55 North and exit at Dyer. Make a left onto Dyer Road and a right at the next light, which is Grand Avenue. The hotel will be on your left hand side about a half of a block down.

Catering:

The welcome reception with complimentary drinks and nibbles will be held in the Grand Ballroom at 5.30 on Tuesday 12th. Your registration includes morning and afternoon teas and drinks vouchers for the conference banquet. The conference banquet, held on Thursday from 7.30, is also included in your registration. You should have noted meat or non-meat option when you registered, and your conference pack should include an appropriate token representing this. Please enquire about guest entrance to any function. Lunches are not included in your registration, but there are a number of food outlets within a short walking distance. Also, the hotel restaurant will be making a range of lunch options available, including vegetarian and non-vegetarian options. There will be a cash bar open on Wednesday and Thursday from 6.00.

Registration:

The registration and enquires desk will be found in the atrium near the Grand Ballroom entrance. It will be open from noon on Tuesday 12 April and then during the conference hours.

The Society for Human Ecology



Be an active member of the society! We are interested in your ideas for raising the profile and relevance of human ecology. Volunteer to be an occasional reviewer for HER. Like us on Facebook and follow us on Twitter @humanecology. Let us know your ideas at info@societyforhumanecology.org

Human Ecology Review



Human Ecology Review (HER) – is an open access online journal published by ANU Press at <http://press.anu.edu.au/titles/human-ecology-review/>. Formatted preprints are published online first on the society's webpage at <http://societyforhumanecology.org/> The Journal publishes peer-reviewed research and theory on the interaction between humans and the environment and other links between culture and nature. Presenters are encouraged to submit manuscript versions of their papers for consideration for publication in HER. Session organizers may wish to discuss the possibility of dedicated special issues arising from their session. See details on the society's webpage.

Human Ecology Section of the Ecological Society of America (ESA)



The Society for Human Ecology was instrumental in helping to create a Human Ecology Section within the Ecological Society of America (ESA). If you are a member of ESA, please consider making Human Ecology one of your section memberships.

This year's symposium organized by the Human Ecology Section is *Human Ecology, Human Economy: Towards Good Governance of the Anthropocene*. Speakers are Katherine Richardson, Copenhagen University; Robert Costanza, Australian National University; Molly Anderson, Middlebury College; Gillian Bowser, Colorado State University; Larry Li, University of California at Riverside, Steward Pickett, Cary Institute of Ecosystem Studies; and Geoffrey Buckley, Ohio

University. Join us in Florida in August and help build this section <http://esa.org/>

Thanks!

The board and members of the Society for Human Ecology gratefully acknowledge the support and cooperation of



German Society
for Human Ecology



College of the Atlantic



Commonwealth Human
Ecology Council



The Institute for
Human Ecology

Program Overview

Tuesday April 12		
1.00pm-5.00pm	Pre-Conference Field Trip: <i>Innovations in Commercial Urban Agriculture</i>	Meet in Lobby Area
5.30pm-7.30pm	Welcome Reception	Grand Ballroom
Wednesday April 13		
8.30am -10.30am	Concurrent Session 1	
	<i>Bridges and Barriers between the Social and Ecological Sciences (OS1)</i>	Grand Ballroom
	<i>Future Directions in Human Ecological Participation (OS2)</i>	California Room
	<i>Health and Wellbeing (CP1)</i>	Harbor Room
	<i>Water Resources (CP2)</i>	Newport Room
10.30am-11.00am	Coffee Break	Irvine Room
11.00am-12.30pm	Keynote Speakers	Grand Ballroom
	Lori Peek, Colorado State University <i>Children in Changing Environments: Disaster Loss and Risk Reduction</i>	
	Paul Steinberg, Harvey Mudd College <i>Who rules the Earth?</i>	
	Moderated by Jessica DeShazo	
12.30pm-1.30pm	Lunch	Self-Catered
1.30pm-3.30pm	Concurrent Session 2	
	<i>Understanding Organizations: Ecological System Analysis and Behavior Analysis (OS3)</i>	Grand Ballroom
	<i>Researching, Living, and Teaching in Conversation with the More-Than-Human (OS4)</i>	California Room
	<i>Pope Francis' Canticale of Creation, Laudato Si': Review and Significance for Human Ecology (CP3)</i>	Harbor Room
	<i>Sustainability and Human Behavior (CP4)</i>	Newport Room
3.30pm-4.00pm	Coffee	Irvine Room
4.00pm-6.00pm	Concurrent Session 3	
	<i>The Shape of Human Ecology: A Bird's Eye View of the Human Ecology Programs Worldwide (OS5)</i>	Grand Ballroom
	<i>Unequal Global Relationships and Environmental Impacts (OS6)</i>	California Room
	<i>Wildlife – Human Interactions (CP5)</i>	Harbor Room

	<i>Ecologically Sensitive Urban Forms (CP6)</i>	Newport Room
6.00pm-7.30pm	Open Cash Bar	Hotel Bar
Thursday April 14		
8.30am -10.00am	Keynote Speakers	Grand Ballroom
	Ag Kawamura, Former California Secretary of Agriculture, and co-chair of Solutions From the Land <i>Commercially Viable Urban Farming in Southern California</i>	
	Hunter Lovins, President Natural Capitalism Solutions <i>Towards a New Regenerative Economy</i>	
	Moderated by Robert Dyball	
10.00am-10.30am	Coffee Break	Irvine Room
10.30am-12.30am	Concurrent Session 4	
	<i>Strengthening American Food System Resilience: Connecting human ecology with the farming community (OS7)</i>	Grand Ballroom
	<i>The Social Ecology of the Anthropocene: Continuity and Change in Global Environmental Politics (OS8)</i>	California Room
	<i>Ecosystem Services and Environmental Assessment (CP7)</i>	Harbor Room
	<i>Fish, Fishers, and Fisheries (CP8)</i>	Newport Room
12.30pm-1.30pm	Lunch	Self-Catered
1.30pm-3.30pm	Concurrent Session 5	
	<i>Engaging Communities Through Art (OS9)</i>	Grand Ballroom
	<i>Addressing Social and Ecological Complexity in People-Environment Relations (OS10)</i>	California Room
	<i>Environmental Policy and Governance (CP9)</i>	Harbor Room
	<i>Diverse Aspect of Current Human Ecological Research in Japan (OS11)</i>	Newport Room
3.30pm-4.00pm	Coffee	Irvine Room
4.00pm-6.00pm	Concurrent Session 6	
	<i>Unequal Human-Environment Interactions in a Local Context (OS12)</i>	Grand Ballroom
	<i>Economics and Ecological Reality (CP10)</i>	California Room
	<i>Human Ecology Education (CP11)</i>	Harbor Room
	<i>Methodologies and Methods in Human Ecology (CP12)</i>	Newport Room
6.00pm – 7.30pm	Open Cash Bar and Award Ceremony	Pool
7.30pm – 10.00pm	Conference Dinner	Grand Ballroom

Friday April 15		
8.30am -10.00am	Keynote Speakers	Grand Ballroom
	Michael V. McGinnis, Middlebury Institute of International Studies in Monterey <i>Re-Inhabitation: Watershed-based Activism in Alta California</i>	
	Christopher Chase-Dunn, University of California Riverside <i>Climate Justice in the World Revolution of 20xx</i>	
	Moderated by Rich Borden, College of the Atlantic	
10.00am-10.30am	Coffee Break	Irvine Room
10.30am-12.30pm	Concurrent Session 7	
	<i>Human Ecology: A Philippine Perspective (OS13)</i>	Grand Ballroom
	<i>Ecological Knowledge, Human Values, and Meaningful Livelihood (OS14)</i>	California Room
	<i>Research in Human Ecology in the Lusophone Space (OS15)</i>	Harbor Room
	<i>Pollution and Global Warming (CP13)</i>	Newport Room
12.30pm-1.30pm	Conference Close and Announcement SHEXXII	Grand Ballroom
1.30pm-2.00pm	SHE Business Meeting Chaired by Ken Hill, College of the Atlantic and SHE Executive Director	Grand Ballroom

Keynote Speakers



Christopher Chase-Dunn Christopher Chase-Dunn is Distinguished Professor of Sociology and Director of the Institute for Research on World-Systems at the University of California-Riverside. He received his Ph.D in Sociology from Stanford University in 1975. Chase-Dunn has done cross-national quantitative studies of the effects of dependence on foreign investment, and he studies cities and settlement systems in order to explain human sociocultural evolution. His recent research focuses on the causes of empire expansion and urban growth (and decline) in the Afroeurasian world-system over the last 5000 years. His research on structural globalization and global state formation has been supported by the National Science Foundation. Chase-Dunn is the founder and former editor of the *Journal of*

World-Systems Research and the Series Editor of a book series published by The Johns Hopkins University Press. In 2001 he was elected a Fellow of the American Association for the Advancement of Science. In 2002 he was elected President of the Research Committee on Economy and Society (RC02) of the International Sociological Association. In 2008 he was elected Distinguished Senior Scholar of the International Political Economy (IPE) section of the International Studies Association. In 2014 he received the Distinguished Career Award from the Section on the Political Economy of the World-System of the American Sociological Association



A.G. Kawamura is third generation fruit and vegetable grower and shipper from Orange County. He is the former Secretary of the California Department of Food and Agriculture (2003-2010). He is co-chair of Solutions From the Land, a non-profit organization that collaborates with farmers, ranchers, foresters and stakeholders to implement climate smart land management practices and strategies. He currently serves on several boards and committees including: The Ag Advisory Committee for the AGree Initiative; the Board on Agriculture and Natural Resources (BANR), a policy arm of the National Academy of Sciences' Natural Resource Council; Ag Advisory Committee for the Chicago Council on Global Affairs; American Farmland Trust; The 25x'25 Alliance, a national alliance of renewable energy stakeholders; External Advisory Board for the Agricultural Sustainability Institute (ASI) at U.C. Davis. He is a former chair and current board member of Western Growers Association. As

a progressive urban farmer, AG has a lifetime of experience working within the shrinking rural and urban boundaries of Southern Calif. Through his company, Orange County Produce, LLC, he is engaged in building an exciting, interactive 21st century 100 acre urban agricultural showcase at the Orange County Great Park in Irvine, CA.



Hunter Lovins is the President and Founder of Natural Capitalism Solutions (NCS), a non-profit formed in 2002 in Longmont, CO. A renowned author and champion of sustainable development for over 35 years, Hunter has consulted on sustainable agriculture, energy, water, security, and climate policies for scores of governments, communities, and companies worldwide. Within the United States, she has consulted for the Presidential Cabinet, Department of Defense, EPA, Department of Energy and numerous state and local agencies.

Hunter believes that citizens, communities and companies, working together within the market context, are the most dynamic problem-solving force on the planet. She has devoted herself to building teams that can create and implement practical and affordable solutions to the problems facing us in creating a sustainable future.

Hunter has co-authored fifteen books and hundreds of articles, and was featured in the award-winning film, *Lovins On the Soft Path*. Her best-known book, *Natural Capitalism*, has been translated into a more than three dozen languages and summarized in *Harvard Business Review*. Its sequel, *Climate Capitalism*, won the Atlas Award. Her latest, *Creating a Lean and Green Business System* won the Shingo Prize. Hunter has taught at numerous universities around the world, was a founding professor of Sustainable Management at Presidio Graduate School.

Currently she is a professor of Sustainable Management at Bard MBA. Named a Master at the Chinese De Tao Academy, Hunter helped launch the Institute for Green Investment in Shanghai, and she is a Fellow of the Fowler Center at Case Western University.

Lovins has consulted for scores of industries and governments worldwide, including International Finance Corporation, Unilever, Walmart, the United Nations and Royal Dutch Shell, as well as such sustainability champions as Interface, Patagonia and Clif Bar. She has briefed heads of state, leaders of the numerous local governments, the Pentagon, Congress and officials in more than 30 other countries.

Hunter lectures regularly to audiences around the globe. She has worked in economic development from Afghanistan to New Zealand, and served the King of Bhutan on his International Expert Working Group, charged with reinventing the global economy. She sits on the Executive Committee of the Club of Rome, the steering committee of the Alliance for Sustainability And Prosperity, and Capital Institute's Advisory Board. A founding mentor of the Unreasonable Institute, Hunter teaches entrepreneurship and coaches social enterprises around the world. She is also a founding partner in Principium, an impact-investing firm. Hunter has won dozens of awards from the Right Livelihood Award (Alternative Nobel), Leadership in Business, The Rachel Carson Award, and the European Sustainability Pioneer award. Time Magazine recognized her as a Millennium Hero for the Planet, and Newsweek called her the Green Business Icon.



Mike McGinnis works at the interface between science and policymaking. He has fifteen years of professional and academic experience in the area of large-scale environmental policymaking and planning in diverse cultural and socio-economic settings. He has published over 100 journal articles, essays, books, reports and documents on large-scale ecosystem-based planning and biodiversity conservation, with a focus on oceans, rivers, creeks, and islands. His edited compendium *Bioregionalism* (Routledge, 1999) is the primary text in the field. He has also contributed to federal and state policymaking and planning activities for marine sanctuary management plans and watershed-based plans across coastal California. From 1993-2000 his NSF-funded research focused on the role of worldviews, values, beliefs and science in the development of ecosystem-based planning. From 1999-

2008 he was an advisor to federal agencies in the development of marine ecosystem-based planning in California. During this time, he assisted the National Marine Sanctuary (NMS) Program in all of the planning aspects associated with the designation of marine reserves within the Channel Islands NMS. In 2008 he was a Fulbright Scholar in southeastern Europe, and conducted a comparative study of marine governance supported by the European Union. In April 2012, he completed a two-year study on New Zealand's marine governance framework funded by the ministries of that country. McGinnis is currently completing two books on the subject of the role of ecology and politics in large-scale ecosystem-based planning and decision-making. *Science and Sensibility: Negotiating an Ecology of Place* (University of California Press, 2016) is now out.



Lori Peek is Associate Professor of Sociology and Co-Director of the Center for Disaster and Risk Analysis at Colorado State University. She studies marginalized populations in disaster and has conducted post-event field investigations across the United States and internationally. She is the author of *Behind the Backlash: Muslim Americans after 9/11*, co-editor of *Displaced: Life in the Katrina Diaspora*, and co-author of *Children of Katrina*. *Behind the Backlash* received the 2012 Distinguished Book Award from the Midwest Sociological Society and the 2013 Best Book Award from the American Sociological Association Section on Altruism, Morality, and Social Solidarity. In addition to her scholarship, Dr. Peek has received numerous awards for her teaching and mentorship as well as for her service to the discipline.

During her keynote address she will discuss her work on children in disaster contexts. Dr. Peek and her colleague and co-author, Dr. Alice Fothergill of the University of Vermont, spent nearly a decade after Hurricane Katrina studying a group of children who were affected by that terrible disaster. In this lecture, Dr. Peek will share what they learned about children and youth, from their own perspectives. She will also discuss various initiatives that she has co-created to engage youth in their own post-disaster recovery.



Paul Steinberg is Professor of Political Science and Environmental Policy at Harvey Mudd College, where he directs The Social Rules Project. He is the author of three books: *Who Rules the Earth?* (Oxford University Press), *Comparative Environmental Politics* (MIT Press) and *Environmental Leadership in Developing Countries* (MIT Press), which won the International Studies Association's Harold and Margaret Sprout Award for the best book in international environmental affairs. He has held academic posts at the Nicholas School of the Environment at Duke University and at the School of Advanced International Studies at Johns Hopkins. He has also worked in applied positions with the Natural Resources Defense Council, Conservation International, The World Bank, RARE, Pesticide Action Network, and the US Peace Corps. He serves on the editorial board for the journal *Global Environmental Politics*.

Draft Program

Presentations are no more than 20 minutes with 5 minutes for questions.
 You must leave the podium after 28 minutes to allow the next speaker to start on time.
 Please keep questions short and to the point.

Tuesday, April 12

TIME	EVENT	TITLE	PRESENTER	VENUE
12.00 – 7.00	Registration			Atrium
1.00 - 5.00	Field Trip	<i>Innovations in Commercial Urban Agriculture</i> This tour will include a variety of farming enterprises, featuring new approaches and technologies for farming the relatively small and often short-term sites characteristic of a metropolitan urban setting; managing an urban-sourced water supply; and local marketing to consumers, restaurants, and supermarkets. Advance registration is requested to allow a participant count for transportation. A modest fee will be collected to cover the transportation expenses.	Host: A.G. Kawamura (Orange County Produce)	Meet in Lobby Area
5.30 - 7.30	Welcome Reception	Opening Address	Robert Dyball, Australian National University and SHE President and Jessica DeShazo, CSU and Conference Organizer	Grand Ballroom

Wednesday, April 13

TIME	EVENT	TITLE	PRESENTER	VENUE
7.30-5.00	Registration			Atrium
8.30-10.30	Concurrent Sessions			
8.30-10.30	Organized Session (OS1)	Bridges and Barriers between Social and Ecological Sciences <i>Asymmetric epistemology: a reflection on interdisciplinarity across social and natural sciences</i>	Jordan Fox Besek, University of Oregon, organizer Apollonya Porcelli, Brown University and Amy Teller, Brown University	Grand Ballroom

		<i>Defining Transdisciplinarity toward Collaborative Socio-Ecological Research</i>	Jen Holzer, Israel Institute of Technology	
		<i>Ecological levels of analysis in a social world: Why socio-ecology requires a reframing of common sociological levels of analysis</i>	Patrick Greiner, University of Oregon	
		<i>Integrating Perspectives: Rethinking the role of stakeholder input in groundwater restoration from an interdisciplinary perspective</i>	Kenneth Shockley, SUNY at Buffalo; Erin Robinson, Canisius College; Alan Rabideau, SUNY at Buffalo	
8.30-10.30	Organized Session (OS2)	Future Directions in Human Ecological Participation	Ken Hill, College of the Atlantic, organizer	California Room
		<i>Reform in the Japanese Education System</i>	Hiromi Nagao, Former President of Hiroshima Jogakuim University	
		<i>Real World Labs: Human ecology fieldwork anew</i>	Wolfgang Serbser, German Society for Human Ecology	
		<i>Human Ecology: A framework for adolescent education and adolescence</i>	Harry Weeks, The Sage School	
		<i>Human Ecology Curriculum Building: The challenges for a small college</i>	Ken Hill, College of the Atlantic	
8.30-10.30	Contributed Papers (CP1)	Health and Wellbeing		Harbor Room
		<i>MYNDSCAPE Experimental analysis of constraints and possibilities of new ways of livability</i>	Egle Miriam Carobbio University of Brescia	
		<i>A Human Ecological Approach to Autism Spectrum Disorder</i>	Scott Wright, University of Utah	
		<i>An Ex-Post Social Impacts Assessment of Small Scale Mining in Brgy, Pamintaran, Maragusan, Compostel Valley</i>	Marsha Tacadao, Virginia Soriano, Carla Edith Jimena, Marife Dapito, Elezabeth Ompad University of the Philippines Los Banos	
8.30-10.30	Contributed Papers (CP2)	Water Resource Resilience Assessment		Newport Room
		<i>A Surface Water Management Framework to Counterbalance Groundwater Withdrawals in the Bayou Grand Marais Watershed</i>	Kari J. Smith, University of Louisiana at Lafayette, JoAnne DeRouen University of Louisiana at Lafayette	
		<i>SES-based Watershed Management: Integrating SES science across disciplines, politics, and communities.</i>	Meagan Krupa, University of Alaska	

		<i>Flood Hazard Mapping using LiDAR Technology: The Case of Selected River Basins in Oriental Mindoro, Philippines</i>	Edwin Abucay, University of the Philippines Los Banos,	
		<i>Development of a Climate Resilience Screening Index (CRSI) and its potential for application in the U.S.</i>	Kevin Summers, U.S. Environmental Protection Agency	
10.30-11.00	Coffee			Irvine Room
11.00-12.30	Keynotes		Jessica DeShazo, California State University, moderator	
11.00-11.45		<i>Children in Changing Environments: Disaster Loss and Risk Reduction</i>	Lori Peek, Colorado State University	
11.45-12.30		<i>Who rules the Earth?</i>	Paul Steinberg, Harvey Mudd College	
12.30-1.30	Lunch			Self-Catered
1.30-3.30	Organized Session (OS3)	Understanding Organizations: Ecological Systems Analysis and Behavior Analysis	Lillian A. Phenice, Michigan State University, organizer	Grand Ballroom
		<i>Ecological Systems Analysis of Organizations</i>	Lillian A. Phenice, Michigan State University, Robert J. Griffore, Michigan State University, Le Anne E. Silvey, Michigan State University, Ronald E. Hall, Michigan State University	
		<i>Behavior Analysis of Organizations</i>	Robert J. Griffore, Michigan State University, Lillian A. Phenice, Michigan State University, Anne E. Silvey, Michigan State University, Ronald E. Hall, Michigan State University	
		<i>Case Study: Analysis of an Academic Organization from a Perspective of Ecological Systems</i>	Le Anne E. Silvey, Michigan State University, Lillian A. Phenice, Michigan State University, Robert J. Griffore, Michigan State University, Ronald E. Hall, Michigan State University	
		<i>Case Study: Analysis of a Human Services Organization from the Perspective of Behavior Analysis</i>	Ronald E. Hall, Michigan State University, Lillian A. Phenice, Michigan State University, Robert J. Griffore, Michigan State University, Le Anne E. Silvey, Michigan State University	
1.30-3.30	Organized Session (OS4)	Researching, Living, and Teaching in Conversation with the More-Than-Human	M.J. Barrett, University of Saskatchewan, organizer	California Room
		<i>Love and Speciesism: Encouraging Biophilia through Ethical Intercultural Interspecies Relations</i>	Marie Lovrod, University of Saskatchewan, M.J. Barrett, Jelena Misevski, University of Saskatchewan, and Joseph Naytowhow, ,	

		<i>Re-cultivating inter-generational resilience for Reconciliation</i>	Independent artist and researcher Lewis Williams, University of Victoria	
		<i>Intuitive Interspecies Communication for Collaboratively Co-Creating Urban and Regional Space</i>	Jelena Misevski, University of Saskatchewan	
		<i>Productive Tensions in Educational Practice: Lived Experiences of Interspecies Communication in Postsecondary and Community Education</i>	M.J. Barrett & Marie Lovrod	
1.30-3.30	Contributed Papers (CP3)	<i>Pope Francis' Canticle of Creation, Laudato Si': Review and Significance for Human Ecology</i> This is an analysis and review of Pope Francis' encyclical, <i>Laudato Si'</i> with special emphasis on its importance for Human Ecology. Panelists will make some opening remarks before leading a round table discussion with participants.	Discussion Leader: Robin van Tine, Saint Leo University. Opening comments, Robin van Tine, Carlton Christenson ANU, Carla Edith G. Jimena, College of Human Ecology, University of the Philippines Los Baños, John Schooneveldt, ANU	Harbor Room
1.30-3.30	Contributed Papers (CP4)	Sustainability and Human Behavior <i>Marketing Fertility Transitions</i> <i>Environmentally responsible behavior and exceptional experiences in nature: A study of how environmental epiphanies impact self-reported behavior</i> <i>Is the Failure to Achieve Sustainability in Our Genes?</i> <i>How deep is your love – of nature? A psychological and spatial analysis of the depth of feelings towards Dutch nature areas</i>	Max Kummerow, Curtin University Melinda Storie, Northeastern Illinois University Marc E. Pratarelli, Colorado State University-Pueblo Nora Davis, University of California, Irvine and Michiel Daams, Arjen van Hinsberg, Frans Sijtsma, University of Groningen	Newport Room
3.30-4.00	Coffee			Irvine Room
4.00-6.00	Organized Session (OS5)	The Shape of Human Ecology: A Bird's Eye View of the Human Ecology Programs Worldwide <i>This Roundtable/Workshop is designed as an interactive session among human ecologists from around the world. The aim of the session is to have representatives from various regions report on -- and share -- their knowledge of human ecology education and research</i>	Rich Borden, College of the Atlantic and Iva Pires , Universidade Nova de Lisboa, PORTUGAL, organizers Iva Pires , Universidade Nova de Lisboa, PORTUGAL, Richard J Borden – College of the Atlantic, USA, Wolfgang Serbser – German Society for Human Ecology, GERMANY, Alpina Begossi – Universidade Estadual de Campinas (UNICAMP),	Grand Ballroom

programs. At the close of the session, the names and web links to all institutions will be combined and consolidated into a single document. Discussion will begin with brief summaries by the attendees named below -- who have been asked to prepare their respective lists of known programs in advance. We welcome input from other conference participants who are interested in, or who can add to, this global human ecology networking project.

BRAZIL, Robert Dyball – Australian National University, AUSTRALIA, Chiho Watanabe – University of Tokyo, JAPAN, Sue Saguguit – University of the Philippines, PHILIPPINES, Eva Ekehorn – Commonwealth Human Ecology Council, GREAT BRITAIN

4.00-6.00	Organized Session (OS6)	Unequal Global Relationships and Environmental Impacts	Jennifer Givens, Washington State University, organizer	California Room
		<i>The Structure of Unequal Ecological Exchange: Stirring Up the Coffee Trade</i>	Thomas J. Burns, Trent C. Cason, and Erik L. Bond, University of Oklahoma	
		<i>The Environmental Kuznets Curves and The World System: An examination of the effects of geopolitical power on environmental health</i>	Julius McGee and Patrick Greiner, University of Oregon	
		<i>Overcoming the Lateness: An event history analysis of the global nuclear industry</i>	Yun-Chung Ting, Washington State University	
		<i>Replacing the Four Horsemen of the Climate Apocalypse</i>	Robin van Tine, Saint Leo University	
4.00-6.00	Contributed Papers (CP5)	Wildlife-Human Interactions		Harbor Room
		<i>Shall we kill deer to control Lyme disease?: Insights from holistic research</i>	Tamara Awerbuch Friedlander, Harvard School of Public Health	
		<i>How to Make a Wild Animal</i>	Mihnea Tanasescu, Free University of Brussels, Belgium	
		<i>Production, Consumption, and Then What? A Middle Range Theory of How Organisms Transform Their Environments</i>	Dennis R. Keefe, Michigan State University (retired)	
4.00-6.00	Contributed Papers (CP6)	Ecologically Sensitive Urban Forms		Newport Room
		<i>New Terrorism and Security Challenges and Opportunities for Metro</i>	Kyle B. Coulam, University of Southern California	
		<i>The Urban Pond Procession: World Making Through Differences</i>	Jason Peters, California Polytechnic University, San Luis Obispo	
		<i>Privatized Water Supply, Management and Policy of the</i>	Rae Lynn Byars, Northern Arizona University	

6.00-7.30	Open Cash Bar			Hotel Bar
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Thursday, April 14

TIME	EVENT	TITLE	PRESENTER	VENUE
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7.30-5.00	Registration			Atrium
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8.30-10.00	Keynotes		Robert Dyball, Australian National University, Moderator	Grand Ballroom
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8.30-9.15		<i>Commercially Viable Urban Farming in Southern California</i>	Ag Kawamura, Former California Secretary of Agriculture, and co-chair of Solutions from the Land	
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9.15-10.00		<i>Towards a Regenerative Economy</i>	Hunter Lovins, President Natural Capitalism Solutions	
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10.00-10.30	Coffee			Irvine Room
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10.30-12.30	Concurrent Sessions			
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10.30-12.30	Organized Session (OS7)	<p>Strengthening American Food System Resilience: Connecting human ecology with the farming community</p> <p>This is a panel discussion session concerning the security of our food supply and what can be done to strengthen food system capacity to withstand shocks and stresses that could lead to disruption or shortfalls in the supply (e.g., natural disasters, climate change, water shortage, declining agricultural land, social conflict). The recently published Symposium on American Food System Resilience (free download of all 27 articles at www.foodresilience.org) provides a point of departure for the panel. Article authors will present suggestions for strengthening food system resilience. Panelists from the California farming community will critique the ideas and provide their own suggestions. There will be scope for interactive discussion with the audience on the question of ‘where do we go from here’?</p>	Gerry Marten, EcoTipping Points Project, organizer Panelists are Gerry Marten (EcoTipping Points Project), Robert Dyball (Australian National University), Dan Keppen (Family Farm Alliance), and A.G. Kawamura (Orange County Produce)	Grand Ballroom
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10.30-12.30	Organized Session (OS8)	The Social Ecology of the Anthropocene: Continuity and Change in Global Environmental Politics <i>The Science of the Anthropocene</i> <i>The Role of the University: Engaged Scholarship in the Anthropocene</i> <i>Cities as a Transformative Nexus.</i> <i>Crowdsourcing Global Governance: Sustainable Development Goals, Civil Society, and the Pursuit of Democratic Legitimacy.</i>	Connor Harron, University of California, Irvine, organizer Evgenia Nizkorodov, University of California, Irvine Beth Karlin, University of Southern California, The Norman Leer Center, Kristen Goodrich University of California, Irvine Bemmy Maharramli, University of California, Irvine Josh Gellers, University of North Florida	California Room
10.30-12.30	Contributed Papers (CP7)	Ecosystem Services and Environmental Assessment <i>A Management Strategy for Multiple Ecosystem Services in Boreal Forests</i> <i>Holy Springs and Ecosystem Services: Sacred Forests May Help Mitigate the Impacts of Riparian Deforestation in Amhara, Ethiopia</i> <i>Assessment of the Flood Hazard Mapping (FHM) Project in San Juan River Basin</i> <i>Cultivating Conservation in the Lake Tana Basin: Implications of a New UNESCO Biosphere Reserve Model for Ecosystems and Livelihoods</i>	Stig-Olof Hom, Umeå University Ralph Olacio, Travis Reynolds, Alemayehu Wassie, Cathy Collins, Montclair State University Marilyn Valdeavilla Medina, Chief Meteorological Officer Science Garden Complex Staton NCR PRSD PAGASA DOST Maravilla Clemens and Alex Heisler, Colby College	Harbor Room
10.30-12.30	Contributed Papers (CP8)	Fish, Fishers, and Fisheries <i>Application of Pooled Local Expert Opinion (PLEO) to evaluate the impacts of Xingu River damming in aquatic wildlife and food security</i> <i>Fisheries co-management in Brazil: the case of Paraíba State coast</i> <i>Fish and Fishers: Food Security in Coastal Brazil</i> <i>Fishers' Perceptions Concerning the Adoption and Innovation of Circle Hooks</i>	Juarez Carlos Brito Pezzuti, Cristiane Costa Carneiro, Daniely Félix da Silva; University of Para Igor D'Angelis, Universidade Nova de Lisboa Alpina Begossi, CAPESCA, NEPA, UNICAMP Nikita Gabor and Richard Pollnac, University of Rhode Island	Newport Room

		Assessing Fisheries and Fish Farming in Marilao-Meycauayan-Obando River System, Philippines: The Role of Research-Education-Policy Integration	Jennifer Marie S. Amparo, University of the Philippines Los Banos	
12.30-1.30	Lunch			Self-Catered
1.30-3.30	Organized Session (OS9)	Engaging Communities Through Art	Gillian Bowser, Colorado State University, Organizer	Grand Ballroom
		<i>Motivation and perceptions of minority youth at citizen science events</i>	Gillian Bowser, Colorado State University and Carrie Lederer, EcoArt/Pigeon Productions	
		<i>Trig Point - An art based approach to reflexivity and observational analysis</i>	Tom Gray, Australian National University	
		<i>Connecting Art and Nature to Inspire and Transform</i>	Jane M. Winchell, Peabody Essex Museum	
		<i>Images for Imaging</i>	Larissa Maly and Iva Pires, Faculdade de Ciências Sociais e Humanas, UNL	
1.30-3.30	Organized Session (OS10)	Addressing Social & Ecological Complexity in People-Environment Relations	Roderick J. Lawrence, University of Geneva, organizer	California Room
		<i>Reflections upon inter- and transdisciplinary issues related to the study of flood risk in Southern California</i>	Julien Forbat- University of California Irvine	
		<i>Desolation Row: Sustainability for the Oft Forgotten</i>	G. E. Machlis, Clemson University and N.T. Krogman, University of Alberta, Canada	
		<i>Exploring the Links Between Homeless Persons' Use of Soup Kitchens and Their Overall Well-being: A Case Study in Skid Row, Los Angeles</i>	Julien Forbat, Xinning Gui, Bonnie Nardi, Daniel Stokols- University of California Irvine	
		<i>PHENOTYPE: Beyond Disciplinary Confinement</i>	Roderick J. Lawrence, University of Geneva	
1.30-3.30	Contributed Papers (CP9)	Environmental Policy and Governance		Harbor Room
		<i>Environmental Policy in the Pacific Basin</i>	George Busenberg, Soka University of America	
		<i>Iceology- the emerging and disappearing human ecology of alpine ice</i>	Martin Callanan, Museum of Natural History and Archaeology, Norwegian University of Science and Technology	
		<i>Adaptive Governance of Protected Areas in an Era of Global Environmental Change</i>	Kofi Akamani, Southern Illinois University	
		<i>Impacts of Migration on the Knowledge Systems of</i>	Kashmir Capuno, Carla Edith G. Jimena, Edgar M.	

		<i>Tagbanua on Land Utilization: The Case of Caruray, San Vicente, Palawan</i>	Reyes, Ana Cristina M. Bibal, Jo Ann Francisco, Merly Hilario, University of the Philippine Los Banos	
1.30-3.30	Organized Session (OS11)	Diverse Aspects of Current Human Ecological Research in Japan	Chiho Watanabe, The University of Tokyo, organizer	Newport Room
		<i>Nutritional Adaptation Studies in Papua New Guinea Highlands</i>	Dr. Masahiro Umezaki, The University of Tokyo	
		<i>Human ecological approach to local and global health and medicine in Japan</i>	Kazuhiko Moji, Nagasaki University	
		<i>Ethical Mining: For Cleaner Gold, Pro Cleaner Life (Pasil, Kalinga)</i>	Ayaka Yamashita- Director of Edaya	
		<i>Using ICT-collected human mobility data in human ecological research</i>	Chiho Watanabe, The University of Tokyo	
		<i>Future Earth and Human Health: Possible Contributions from Japan</i>	Hein Mallee- Research Institute of Humanity and Nature, Kyoto	
3.30-4.00	Coffee			Irvine Room
4.00-5.30 (Early Close to allow conference dinner set up)	Organized Session (OS12)	Unequal Human-Environment Interactions in a Local Context	Jennifer Givens, Washington State University, organizer	Grand Ballroom
		<i>Structures and Meanings in Subsistence Food Production: A Pluralistic, Horizontal, Post-Capitalist Social Movement in the Global North</i>	Ashley Colby, Washington State University	
		<i>Is Air Pollution 'Obesogenic'? Airborne Endocrine Disrupting Chemical Exposure Effects on Gestational Weight Gain in Women from Utah, 2010-2012</i>	Jessica L. Eckhardt, University of Utah	
		<i>Dry Oasis: Structural Implications of Drought and the Culture of "Nature" in Santa Barbara, California</i>	Andrew McCumber, University of California Santa Barbara	
4.00-6.00	Contributed Papers (CP10)	Economics and Ecological Reality		California Room
		<i>The Circular Economy as a Human Ecology Construct</i>	John Schooneveldt, Australian National University	
		<i>Beyond Money and Power: The Thousand Year Company</i>	Anton G. Camarota, Colorado State University, Global Campus	
		<i>Putting Sustainability into Practice: Social Practices and Sustainable Consumption</i>	Naomi Krogman, University of Alberta, Emily Huddart Kennedy, Washington State University,	

		<i>Models for Building an Abundant Economic, Social and Environmental Future</i>	Maurie Cohen, New Jersey Institute of Technology, Jay Friedlander, College of the Atlantic	
4.00-6.00	Contributed Papers (CP11)	Human Ecology Education		Harbor Room
		<i>Thoughts on Teaching Human Ecology: Social Science and Interdisciplinary Perspectives</i>	Thomas Burns, University of Oklahoma and Beth Caniglia, Oklahoma State University	
		<i>15 Years of Teaching Ecopsychology: Can Preaching to the Choir Create Behavioral Change?</i>	Howard Ingle, Salt Lake Community College	
		<i>Social participation and informal environmental education promoted from the implantation of mega projects in small communities: the Trafaria case, Tejo river estuary of Portugal</i>	Larissa Malty and Iva Pires, Faculdade de Ciências Sociais e Humanas	
		<i>Teaching at the Intersection of Ecology and Poverty</i>	Eric Reynolds and Ariel Phillips, Massachusetts Institute of Technology	
4.00-6.00	Contributed Papers (CP12)	Methodologies and Methods in Human Ecology		Newport Room
		<i>Systems Approaches in Human Ecology</i>	Karl-Heinz Simon University of Kassel	
		<i>Use of multiple criteria analysis to develop a participatory regional assessment tool for bioenergy production</i>	Ashma Vaidya and Audrey Meyer, Michigan Technological University	
		<i>The Limits of Definition of Sustainability: Gezi Park Case</i>	Mustafa Komurcuoglu, Sakarya University	
		<i>The Human Natural Resource Endowment: A New Measure of a Fundamental Human Right</i>	Stephen K. Boss, University of Arkansas	
6.00-7.30	Open Cash Bar and Award Ceremony			Pool Area
7.30-10.00	Conference Dinner			Grand Ballroom

Friday, April 15

TIME	EVENT	TITLE	PRESENTER	VENUE
8.30-10.00	Keynotes		Rich Borden, College of the Atlantic, Moderator	Grand Ballroom
8.30-9.15		<i>Re-Inhabitation: Watershed-based Activism in Alta California</i>	Michael V. McGinnis, Middlebury Institute of International Studies in Monterey	
9.15-10.00		<i>Climate Justice in the World Revolution of 20xx</i>	Christopher Chase-Dunn, University of California Riverside	
10.00-10.30	Coffee			Irvine Room
10.30-12.30	Concurrent Sessions			
10.30-12.30	Organized Session (OS13)	Human Ecology: A Philippine Perspective	Sue Liza C. Saguiguit and Jennifer Marie S. Amparo, College of Human Ecology, University of the Philippines Los Baños, organizers	Grand Ballroom
		<i>Education-Research-Policy Nexus in Human Ecology: An Exploratory Framework</i>	Sue Liza C. Saguiguit, et al, College of Human Ecology, University of the Philippines Los Baños	
		<i>Human Ecology Education for Development and Sustainability: The College of Human Ecology at the University of the Philippines</i>	Raden G. Piadozo, et al, College of Human Ecology, University of the Philippines Los Baños	
		<i>A Review of Human Ecology Research in the Philippines</i>	Carla Edith G. Jimena, et al, College of Human Ecology, University of the Philippines Los Baños	
		<i>Education for Sustainable Development in the Supervised Field Experience of the BS Human Ecology major in Human Settlements Planning</i>	Joan P. Talubo, et al, College of Human Ecology, University of the Philippines Los Baños	
10.30-12.30	Organized Session (OS14)	Ecological Knowledge, Human Values and Meaningful Livelihood	Richard J Borden, College of the Atlantic, organizer	California Room
		<i>Frugality and Human Ecology</i>	William Throop , Green Mountain College	
		<i>Heaven in a Wildflower: The World-Held Self and Moral Implications of Mortality</i>	Patricia Honea-Fleming – Licensed Psychologist/College of the Atlantic	
		<i>Rewriting Nature’s Story: Lessons from a Century of Ecological Science</i>	Richard Borden – College of the Atlantic	
		<i>Philosophical Understandings of Human Ecology</i>	Bruin Christensen, Australian National University	

10.30-12.30	Organized Session (OS15)	Research in Human Ecology in the Lusophone Space	Feliciano de Mira, Bahia State University, Organizer	Harbor Room
		Research in Human Ecology, Biosemiotics and Land-art in the Lusophone Space	Feliciano de Mira, Bahia State University	
		Ecology, Soul, and Human Spirit: An epistemology to think human ecologically	Juracy Marques Bahia State University	
		In Brazil, is Human Ecology a Scientific Paradigm, or Another Kind of Emerging Science?	Luciano Bomfim Bahia State University	
		Communication Between Human Beings and Plants	Arthur Lima, Universidade Federal do Vale do São Francisco, Brazil.	
10.30-12.30	Contributed Papers (CP13)	Pollution and Global Warming		Newport Room
		<i>Transboundary Air Pollution and Global Warming</i>	Amelie Simons, Northern Arizona University	
		<i>Utilization of phosphogypsum to reduce greenhouse gases emissions on the Kingdom of Saudi Arabia</i>	Saud S. AL Oud, King Saud University	
		<i>Climate Change, Water Policy, and the Navajo Nation</i>	Mary Witlacil, Northern Arizona University	
		<i>Dissecting climate change in Nevada utilizing multidisciplinary methods</i>	William J. Smith, University of Nevada Las Vegas; Zhongwei Liu, University of Nevada Las Vegas; Ahmad Safi, Gaza; Darko Koracin, Desert Research Institute	
12.30-1.30	Conference Close and Announcement SHEXXII Venue			Grand Ballroom
1.30-2.00	SHE Business Meeting		Chaired by Ken Hill, College of the Atlantic and SHE Executive Director: All Welcome	Grand Ballroom

Notes

