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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>1.00pm-5.00pm</td>
<td>Pre-Conference Field Trip: <em>Innovations in Commercial Urban Agriculture</em></td>
<td>Meet in Lobby Area</td>
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<tr>
<td>5.30pm-7.30pm</td>
<td>Welcome Reception</td>
<td>Grand Ballroom</td>
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## Wednesday April 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>8.30am-10.30am</td>
<td><strong>Concurrent Session 1</strong></td>
<td>Grand Ballroom</td>
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<td></td>
<td><em>Bridges and Barriers between the Social and Ecological Sciences (OS1)</em></td>
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<td><em>Future Directions in Human Ecological Participation (OS2)</em></td>
<td>California Room</td>
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<td><em>Health and Wellbeing (CP1)</em></td>
<td>Harbor Room</td>
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<td><em>Water Resources (CP2)</em></td>
<td>Newport Room</td>
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<tr>
<td>10.30am-11.00am</td>
<td>Coffee Break</td>
<td>Irvine Room</td>
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<tr>
<td>11.00am-12.30pm</td>
<td><strong>Keynote Speakers</strong></td>
<td>Grand Ballroom</td>
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<td></td>
<td>Lori Peek, Colorado State University</td>
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<td><em>Children in Changing Environments: Disaster Loss and Risk Reduction</em></td>
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<td>Paul Steinberg, Harvey Mudd College</td>
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<td><em>Who rules the Earth?</em></td>
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<td></td>
<td>Moderated by Jessica DeShazo</td>
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<td>12.30pm-1.30pm</td>
<td>Lunch</td>
<td>Self-Catered</td>
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<td>1.30pm-3.30pm</td>
<td><strong>Concurrent Session 2</strong></td>
<td>Grand Ballroom</td>
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<td><em>Understanding Organizations: Ecological System Analysis and Behavior Analysis (OS3)</em></td>
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<td><em>Researching, Living, and Teaching in Conversation with the More-Than-Human (OS4)</em></td>
<td>California Room</td>
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<td><em>Pope Francis’ Canticle of Creation, Laudato Si’: Review and Significance for Human Ecology (CP3)</em></td>
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<td><em>Sustainability and Human Behavior (CP4)</em></td>
<td>Newport Room</td>
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<tr>
<td>3.30pm-4.00pm</td>
<td>Coffee</td>
<td>Irvine Room</td>
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<td>4.00pm-6.00pm</td>
<td><strong>Concurrent Session 3</strong></td>
<td>Grand Ballroom</td>
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<td><em>The Shape of Human Ecology: A Bird’s Eye View of the Human Ecology Programs Worldwide (OS5)</em></td>
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<td><em>Unequal Global Relationships and Environmental Impacts (OS6)</em></td>
<td>California Room</td>
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<td><em>Wildlife – Human Interactions (CP5)</em></td>
<td>Harbor Room</td>
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<td>6.00pm - 7.30pm</td>
<td>Open Cash Bar</td>
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<td><strong>Thursday April 14</strong></td>
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<td>8.30am - 10.00am</td>
<td><strong>Keynote Speakers</strong></td>
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<td>Ag Kawamura, Former California Secretary of Agriculture, and co-chair of Solutions From the Land <strong>Commercially Viable Urban Farming in Southern California</strong></td>
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<td>Hunter Lovins, President Natural Capitalism Solutions <strong>Towards a New Regenerative Economy</strong></td>
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<td>Moderated by Robert Dyball</td>
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<td>10.00am - 10.30am</td>
<td><strong>Coffee Break</strong></td>
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<td>10.30am - 12.30am</td>
<td><strong>Concurrent Session 4</strong></td>
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<td>Strengthening American Food System Resilience: Connecting human ecology with the farming community (OS7)</td>
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<td>The Social Ecology of the Anthropocene: Continuity and Change in Global Environmental Politics (OS8)</td>
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<td>Ecosystem Services and Environmental Assessment (CP7)</td>
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<td>Fish, Fishers, and Fisheries (CP8)</td>
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<td>12.30pm - 1.30pm</td>
<td><strong>Lunch</strong></td>
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<td>1.30pm - 3.30pm</td>
<td><strong>Concurrent Session 5</strong></td>
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<td>Engaging Communities Through Art (OS9)</td>
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<td>Addressing Social and Ecological Complexity in People-Environment Relations (OS10)</td>
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<td>Environmental Policy and Governance (CP9)</td>
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<td>Diverse Aspect of Current Human Ecological Research in Japan (OS11)</td>
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<td>3.30pm - 4.00pm</td>
<td><strong>Coffee</strong></td>
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<td>4.00pm - 6.00pm</td>
<td><strong>Concurrent Session 6</strong></td>
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<td>Unequal Human-Environment Interactions in a Local Context (OS12)</td>
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<td>Economics and Ecological Reality (CP10)</td>
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<td>Human Ecology Education (CP11)</td>
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<td>Methodologies and Methods in Human Ecology (CP12)</td>
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<tr>
<td>6.00pm - 7.30pm</td>
<td>Open Cash Bar and Award Ceremony</td>
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<td>7.30pm - 10.00pm</td>
<td>Conference Dinner</td>
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<td>8.30am - 10.00am</td>
<td>Keynote Speakers</td>
<td>Grand Ballroom</td>
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<td>Michael V. McGinnis, Middlebury Institute of International Studies in Monterey &lt;br&gt; <em>Re-Inhabitation: Watershed-based Activism in Alta California</em></td>
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<td>Christopher Chase-Dunn, University of California Riverside &lt;br&gt; <em>Climate Justice in the World Revolution of 20xx</em></td>
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<td>Moderated by Rich Borden, College of the Atlantic</td>
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<tr>
<td>10.00am - 10.30am</td>
<td>Coffee Break</td>
<td>Irvine Room</td>
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<tr>
<td>10.30am - 12.30pm</td>
<td>Concurrent Session 7</td>
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<td><em>Human Ecology: A Philippine Perspective (OS13)</em></td>
<td>Grand Ballroom</td>
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<td><em>Ecological Knowledge, Human Values, and Meaningful Livelihood (OS14)</em></td>
<td>California Room</td>
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<td><em>Research in Human Ecology in the Lusophone Space (OS15)</em></td>
<td>Harbor Room</td>
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<td><em>Pollution and Global Warming (CP13)</em></td>
<td>Newport Room</td>
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<tr>
<td>12.30pm - 1.30pm</td>
<td>Conference Close and Announcement SHEXXII</td>
<td>Grand Ballroom</td>
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<tr>
<td>1.30pm - 2.00pm</td>
<td>SHE Business Meeting</td>
<td>Grand Ballroom</td>
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<td>Chaired by Ken Hill, College of the Atlantic and SHE Executive Director</td>
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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
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**

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<tr>
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<th>EVENT</th>
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<th>PRESENTER</th>
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<tr>
<td>12.00 – 7.00</td>
<td>Registration</td>
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<td>Atrium</td>
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<tr>
<td>1.00 - 5.00</td>
<td>Field Trip</td>
<td>Innovations in Commercial Urban Agriculture</td>
<td>Host: A.G. Kawamura (Orange County Produce)</td>
<td>Meet in Lobby Area</td>
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<td>This tour will include a variety of farming enterprises,</td>
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<td>featuring new approaches and technologies for farming</td>
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<td>the relatively small and often short-term sites</td>
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<td>characteristic of a metropolitan urban setting; managing</td>
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<td>an urban-sourced water supply; and local marketing to</td>
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<td>consumers, restaurants, and supermarkets. Advance registration is</td>
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<td>requested to allow a participant count for transportation. A modest</td>
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<td>fee will be collected to cover the transportation expenses.</td>
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<td>5.30 - 7.30</td>
<td>Welcome Reception</td>
<td>Opening Address</td>
<td>Robert Dyball, Australian National University and SHE President and Jessica DeShazo, CSU and Conference Organizer</td>
<td>Grand Ballroom</td>
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<td>Concurrent Sessions</td>
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<td>8.30-10.30</td>
<td>Organized Session</td>
<td>Bridges and Barriers between Social and Ecological Sciences</td>
<td>Jordan Fox Besek, University of Oregon, organizer</td>
<td>Grand Ballroom</td>
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<td></td>
<td>(OS1)</td>
<td>Asymmetric epistemology: a reflection on interdisciplinarity across</td>
<td>Apollonya Porcelli, Brown University and Amy Teller, Brown University</td>
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<td>social and natural sciences</td>
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<td>Time</td>
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<tr>
<td>8.30-10.30</td>
<td>Organized Session</td>
<td>Defining Transdisciplinarity toward Collaborative Socio-Ecological Research</td>
<td>Jen Holzer, Israel Institute of Technology</td>
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<td></td>
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<td>Ecological levels of analysis in a social world: Why socio-ecology requires a reframing of common sociological levels of analysis</td>
<td>Patrick Greiner, University of Oregon</td>
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<td>Integrating Perspectives: Rethinking the role of stakeholder input in groundwater restoration from an interdisciplinary perspective</td>
<td>Kenneth Shockley, SUNY at Buffalo; Erin Robinson, Canisius College; Alan Rabideau, SUNY at Buffalo</td>
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<td>8.30-10.30</td>
<td>Contributed Papers</td>
<td>Future Directions in Human Ecological Participation</td>
<td>Ken Hill, College of the Atlantic, organizer</td>
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<td>Reform in the Japanese Education System</td>
<td>Hiromi Nagao, Former President of Hiroshima Jogakuim University</td>
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<td>Real World Labs: Human ecology fieldwork anew</td>
<td>Wolfgang Serbser, German Society for Human Ecology</td>
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<tr>
<td>8.30-10.30</td>
<td>Contributed Papers</td>
<td>Human Ecology Curriculum Building: The challenges for a small college</td>
<td>Ken Hill, College of the Atlantic</td>
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<td>MYNDSCAPE Experimental analysis of constraints and possibilities of new ways of livability</td>
<td>Egle Miriam Carobbio University of Brescia</td>
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<td>A Human Ecological Approach to Autism Spectrum Disorder</td>
<td>Scott Wright, University of Utah</td>
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<td>An Ex-Post Social Impacts Assessment of Small Scale Mining in Brgy, Pamintaran, Maragusan, Compostel Valley</td>
<td>Marsha Tacadao, Virginia Soriano, Carla Edith Jimena, Marife Dapito, Elezabeth Ompad University of the Philippines Los Banos</td>
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<td>A Surface Water Management Framework to Counterbalance Groundwater Withdrawals in the Bayou Grand Marais Watershed</td>
<td>Kari J. Smith, University of Louisiana at Lafayette, JoAnne DeRouen University of Louisiana at Lafayette</td>
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<td>SES-based Watershed Management: Integrating SES science across disciplines, politics, and communities</td>
<td>Meagan Krupa, University of Alaska</td>
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<td>10.30-11.00</td>
<td>Coffee</td>
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<td>11.00-12.30</td>
<td>Keynotes</td>
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<td>11.00-11.45</td>
<td><em>Children in Changing Environments: Disaster Loss and Risk Reduction</em></td>
<td>Irvine Room</td>
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<td>11.45-12.30</td>
<td><em>Who rules the Earth?</em></td>
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<td>12.30-1.30</td>
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<td>1.30-3.30</td>
<td>Organized Session (OS3)</td>
<td>Grand Ballroom</td>
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<td>1.30-3.30</td>
<td><em>Understanding Organizations: Ecological Systems Analysis and Behavior Analysis</em></td>
<td>Grand Ballroom</td>
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<td><em>Ecological Systems Analysis of Organizations</em></td>
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<td><em>Behavior Analysis of Organizations</em></td>
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<td><em>Case Study: Analysis of an Academic Organization from a Perspective of Ecological Systems</em></td>
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<td><em>Case Study: Analysis of a Human Services Organization from the Perspective of Behavior Analysis</em></td>
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<td>1.30-3.30</td>
<td>Organized Session (OS4)</td>
<td>California Room</td>
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<td>1.30-3.30</td>
<td><em>Researching, Living, and Teaching in Conversation with the More-Than-Human</em></td>
<td>California Room</td>
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<td><em>Love and Speciesism: Encouraging Biophilia through Ethical Intercultural Interspecies Relations</em></td>
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*Flood Hazard Mapping using LiDAR Technology: The Case of Selected River Basins in Oriental Mindoro, Philippines*

Edwin Abucay, University of the Philippines Los Banos

*Development of a Climate Resilience Screening Index (CRSI) and its potential for application in the U.S.*

Kevin Summers, U.S. Environmental Protection Agency

Jessica DeShazo, California State University, moderator

Lori Peek, Colorado State University

Paul Steinberg, Harvey Mudd College

Lillian A. Phenice, Michigan State University, organizer

Robert J. Griffore, Michigan State University, Le Anne E. Silvey, Michigan State University, Ronald E. Hall, Michigan State University

Robert J. Griffore, Michigan State University, Lillian A. Phenice, Michigan State University, Anne E. Silvey, Michigan State University, Ronald E. Hall, Michigan State University

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

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

M.J. Barrett, University of Saskatchewan, organizer

Marie Lovrod, University of Saskatchewan, M.J. Barrett, Jelena Misevski, University of Saskatchewan, and Joseph Naytowhow,
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<tr>
<th>Time</th>
<th>Session Type</th>
<th>Title</th>
<th>Authors/Organizers</th>
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<tbody>
<tr>
<td>1.30-3.30</td>
<td>Contributed</td>
<td>Pope Francis’ Canticle of Creation, Laudato Si’: Review and Significance for Human Ecology</td>
<td>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</td>
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<td>Papers (CP3)</td>
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<td>Harbor Room</td>
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<td>1.30-3.30</td>
<td>Contributed</td>
<td>Sustainability and Human Behavior</td>
<td>Max Kummerow, Curtin University</td>
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<td>Papers (CP4)</td>
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<td>Newport Room</td>
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<td>Marketing Fertility Transitions</td>
<td>Melinda Storie, Northeastern Illinois University</td>
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<td>Environmentally responsible behavior and exceptional experiences in nature: A study of how environmental epiphanies impact self-reported behavior</td>
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<td>Is the Failure to Achieve Sustainability in Our Genes?</td>
<td>Marc E. Pratarelli, Colorado State University-Pueblo</td>
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<td>How deep is your love – of nature? A psychological and spatial analysis of the depth of feelings towards Dutch nature areas</td>
<td>Nora Davis, University of California, Irvine and Pueblo, Michiel Daams, Arjen van Hinsberg, Frans Sijtsma, University of Groningen</td>
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<td>3.30-4.00</td>
<td>Coffee</td>
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<td>Irvine Room</td>
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<tr>
<td>4.00-6.00</td>
<td>Organized</td>
<td>The Shape of Human Ecology: A Bird’s Eye View of the Human Ecology Programs Worldwide</td>
<td>Rich Borden, College of the Atlantic and Iva Pires, Universidade Nova de Lisboa, PORTUGAL, organizers</td>
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<td>Session (OSS)</td>
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<td>Grand Ballroom</td>
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<td>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</td>
<td>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),</td>
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</table>
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

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

Reversing Human Ecological Damage with Modular, High-Density, Skyscraper Eco-Cities

Robert Daniels, In-Harmony Foundation

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<th>TIME</th>
<th>EVENT</th>
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<th>PRESENTER</th>
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<td>6.00-7.30</td>
<td>Open Cash Bar</td>
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<td>Hotel Bar</td>
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<td>7.30-5.00</td>
<td>Registration</td>
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<td>Robert Dyball, Australian National University, Moderator</td>
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<tr>
<td>8.30-10.00</td>
<td>Keynotes</td>
<td>Commercially Viable Urban Farming in Southern California</td>
<td>Ag Kawamura, Former California Secretary of Agriculture, and co-chair of Solutions from the Land</td>
<td>Grand Ballroom</td>
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<td>8.30-9.15</td>
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<td>Towards a Regenerative Economy</td>
<td>Hunter Lovins, President Natural Capitalism Solutions</td>
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<td>9.15-10.00</td>
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<tr>
<td>10.00-10.30</td>
<td>Coffee</td>
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<tr>
<td>10.30-12.30</td>
<td>Concurrent Sessions</td>
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<tr>
<td>10.30-12.30</td>
<td>Organized Session (OS7)</td>
<td>Strengthening American Food System Resilience: Connecting human ecology with the farming community</td>
<td>Gerry Marten, EcoTipping Points Project, organizer</td>
<td>Grand Ballroom</td>
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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’?

Panelists are Gerry Marten (EcoTipping Points Project), Robert Dyball (Australian National University), Dan Keppen (Family Farm Alliance), and A.G. Kawamura (Orange County Produce).
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<tr>
<th>Time</th>
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<tr>
<td>10.30-12.30</td>
<td>Organized</td>
<td>The Social Ecology of the Anthropocene: Continuity and Change in Global Environmental Politics</td>
<td>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</td>
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<td>Session (OS8)</td>
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<td>California Room</td>
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<tr>
<td>10.30-12.30</td>
<td>Contributed</td>
<td>Ecosystem Services and Environmental Assessment</td>
<td>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</td>
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<td>Papers (CP7)</td>
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<td>Harbor Room</td>
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<tr>
<td>10.30-12.30</td>
<td>Contributed</td>
<td>Fish, Fishers, and Fisheries</td>
<td>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</td>
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<td>Papers (CP8)</td>
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<td>Newport Room</td>
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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

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<th>Session</th>
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<th>Speaker/Institution(s)</th>
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<tr>
<td>12.30-1.30</td>
<td>Lunch</td>
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<td>1.30-3.30</td>
<td>Organized Session (OS9)</td>
<td>Engaging Communities Through Art</td>
<td>Gillian Bowser, Colorado State University, Organizer</td>
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<td>Motivation and perceptions of minority youth at citizen science events</td>
<td>Gillian Bowser, Colorado State University and Carrie Lederer, EcoArt/Pigeon Productions</td>
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<td>Trig Point - An art based approach to reflexivity and observational analysis</td>
<td>Tom Gray, Australian National University</td>
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<td>Connecting Art and Nature to Inspire and Transform</td>
<td>Jane M. Winchell, Peabody Essex Museum</td>
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<td>Images for Imaging</td>
<td>Larissa Malty and Iva Pires, Faculdade de Ciências Sociais e Humanas, UNL</td>
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<tr>
<td>1.30-3.30</td>
<td>Organized Session (OS10)</td>
<td>Addressing Social &amp; Ecological Complexity in People-Environment Relations</td>
<td>Roderick J. Lawrence, University of Geneva, organizer</td>
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<td>Reflections upon inter- and transdisciplinary issues related to the study of flood risk in Southern California</td>
<td>Julien Forbat- University of California Irvine</td>
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<td>Desolation Row: Sustainability for the Oft Forgotten</td>
<td>G. E. Machlis, Clemson University and N.T. Krogman, University of Alberta, Canada</td>
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<td>Exploring the Links Between Homeless Persons’ Use of Soup Kitchens and Their Overall Well-being: A Case Study in Skid Row, Los Angeles</td>
<td>Julien Forbat, Xinning Gui, Bonnie Nardi, Daniel Stokols- University of California Irvine</td>
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<td>PHENOTYPE: Beyond Disciplinary Confinement</td>
<td>Roderick J. Lawrence, University of Geneva</td>
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<tr>
<td>1.30-3.30</td>
<td>Contributed Papers (CP9)</td>
<td>Environmental Policy and Governance</td>
<td>George Busenberg, Soka University of America</td>
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<td>Environmental Policy in the Pacific Basin</td>
<td>Martin Callanan, Museum of Natural History and Archaeology, Norwegian University of Science and Technology</td>
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<td>Icecology- the emerging and disappearing human ecology of alpine ice</td>
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<td>Adaptive Governance of Protected Areas in an Era of Global Environmental Chang</td>
<td>Kofi Akamani, Southern Illinois University</td>
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<td>Impacts of Migration on the Knowledge Systems of</td>
<td>Kashmir Capuno, Carla Edith G. Jimena, Edgar M.</td>
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### Tagbanua on Land Utilization: The Case of Caruray, San Vicente, Palawan
Reyes, Ana Cristina M. Bibal, Jo Ann Francisco, Merly Hilario, University of the Philippine Los Banos

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<th>Speaker/Institution</th>
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<tr>
<td>1.30-3.30</td>
<td><strong>Organized Session (OS11)</strong> Diverse Aspects of Current Human Ecological Research in Japan</td>
<td>Chiho Watanabe, The University of Tokyo, organizer</td>
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<td>Nutritional Adaptation Studies in Papua New Guinea Highlands</td>
<td>Dr. Masahiro Umezaki, The University of Tokyo</td>
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<td>Human ecological approach to local and global health and medicine in Japan</td>
<td>Kazuhiko Moji, Nagasaki University</td>
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<td>Ethical Mining: For Cleaner Gold, Pro Cleaner Life (Pasil, Kalinga)</td>
<td>Ayaka Yamashita- Director of Edaya</td>
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<td>Using ICT-collected human mobility data in human ecological research</td>
<td>Chiho Watanabe, The University of Tokyo</td>
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<td>Future Earth and Human Health: Possible Contributions from Japan</td>
<td>Hein Mallee- Research Institute of Humanity and Nature, Kyoto</td>
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<th>Time</th>
<th>Event</th>
<th>Speaker/Institution</th>
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<tbody>
<tr>
<td>3.30-4.00</td>
<td><strong>Coffee</strong></td>
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<tr>
<td>4.00-5.30</td>
<td><strong>Organized Session (OS12)</strong> Unequal Human-Environment Interactions in a Local Context</td>
<td>Jennifer Givens, Washington State University, organizer</td>
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<td>Structures and Meanings in Subsistence Food Production: A Pluralistic, Horizontal, Post-Capitalist Social Movement in the Global North</td>
<td>Ashley Colby, Washington State University</td>
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<td>Is Air Pollution ‘Obesogenic’?: Airborne Endocrine Disrupting Chemical Exposure Effects on Gestational Weight Gain in Women from Utah, 2010-2012</td>
<td>Jessica L. Eckhardt, University of Utah</td>
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<td>Dry Oasis: Structural Implications of Drought and the Culture of “Nature” in Santa Barbara, California</td>
<td>Andrew McCumber, University of California Santa Barbara</td>
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<tr>
<td>4.00-6.00</td>
<td><strong>Contributed Papers (CP10)</strong> Economics and Ecological Reality</td>
<td>John Schooneveldt, Australian National University</td>
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<td></td>
<td>The Circular Economy as a Human Ecology Construct</td>
<td>Anton G. Camarota, Colorado State University, Global Campus</td>
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<td>Beyond Money and Power: The Thousand Year Company</td>
<td>Naomi Krogman, University of Alberta, Emily Huddart Kennedy, Washington State University,</td>
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### Contributed Papers (CP11)

**Human Ecology Education**  

- **Thoughts on Teaching Human Ecology: Social Science and Interdisciplinary Perspectives**  
  Thomas Burns, University of Oklahoma and Beth Caniglia, Oklahoma State University

- **15 Years of Teaching Ecopsychology: Can Preaching to the Choir Create Behavioral Change?**  
  Howard Ingle, Salt Lake Community College

- **Social participation and informal environmental education promoted from the implantation of mega projects in small communities: the Trafaria case, Tejo river estuary of Portugal**  
  Larissa Malty and Iva Pires, Faculdade de Ciências Sociais e Humanas

- **Teaching at the Intersection of Ecology and Poverty**  
  Eric Reynolds and Ariel Phillips, Massachusetts Institute of Technology

**Contributed Papers (CP12)**

**Methodologies and Methods in Human Ecology**

- **Systems Approaches in Human Ecology**  
  Karl-Heinz Simon University of Kassel

- **Use of multiple criteria analysis to develop a participatory regional assessment tool for bioenergy production**  
  Ashma Vaidya and Audrey Meyer, Michigan Technological University

- **The Limits of Definition of Sustainability: Gezi Park Case**  
  Mustafa Komurcuoglu, Sakarya University

- **The Human Natural Resource Endowment: A New Measure of a Fundamental Human Right**  
  Stephen K. Boss, University of Arkansas

### Schedule

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<tr>
<td>4.00-6.00</td>
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<tr>
<td>4.00-6.00</td>
<td>Methodologies and Methods in Human Ecology</td>
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<tr>
<td>6.00-7.30</td>
<td>Open Cash Bar and Award Ceremony</td>
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<td>7.30-10.00</td>
<td>Conference Dinner</td>
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<td>8.30-10.00</td>
<td>Keynotes</td>
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<td>12.30-1.30</td>
<td>Conference Close and Announcement SHEXXII Venue</td>
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<td>1.30-2.00</td>
<td>SHE Business Meeting</td>
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Notes