

# US-IALE Newsletter: Summer 2016

**Summer 2016**  
**Volume 31/2**

## *US-IALE 2016 Annual Meeting* **Landscape Change**

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After more than a year of planning, local organizers from the U.S. Forest Service [Eastern Forest Environmental Threat Assessment Center](#) were thrilled to finally welcome attendees of the [annual meeting of the U.S. International Association for Landscape Ecology](#) (US-IALE), held in April in Asheville, North Carolina. It was the 29<sup>th</sup> annual and the largest ever US-IALE annual meeting, drawing approximately 500 professionals and students from 22 countries and 42 states. The meeting explored topics related to a “Landscape Change” theme and offered attendees a place to share, critique, and strengthen ideas for an all-

lands approach to research and management. Hundreds of presentations, dozens of posters and live demonstrations, and several training workshops fostered discussion and learning. Six scientific excursions allowed exploration of environmental and social issues associated with landscape change in and around Asheville. A Forest Service Research and Development exhibit featured the faces of landscape science in the agency, along with information about scientists’ wide-ranging projects and interests. “I think that what makes the annual US-IALE meeting so great is that it is

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## **President’s Message**



**Ross Meentemeyer**

**US-IALE President, accepting the gavel and tiara from outgoing president Janet Franklin**

Hello US-IALE - I’m thrilled to serve as your new President! The time is right for Landscape Ecology to be the go-to field for catalyzing interdisciplinary discovery and communication of innovative solutions to society’s grand challenges. Landscape Ecology is compelling because it allows us to work across traditional disciplinary boundaries at multiple spatial and decision-making scales. Opportunities for Landscape Ecologists continue to grow as we

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## NASA-Michigan State University Professional Enhancement Awards 2016



The NASA-MSU Professional Enhancement Awards are made possible by support from the National Aeronautics and Space Administration (NASA) and Michigan State University (MSU). The program has supported more than 380 students from approximately 140 institutions worldwide since 1998 to present their research and interact with leading scientists and other attendees at meetings of US-IALE and IALE.

This is the 19<sup>th</sup> consecutive year of the program. The 17 awardees will have opportunities to meet at a special dinner gathering, learn the latest developments in landscape ecology, present their research, build professional networks with other conference attendees, and collaborate on telecoupling (<http://csis.msu.edu/telecoupling>).

The 2016 NASA-MSU Awards Committee consists of Jianguo (Jack) Liu (Chair), Garik Gutman (NASA), Jennifer Carducci (MSU), Sue Nichols (MSU), and James Vatter (MSU).

See [below](#) for the call for applications for the 2017 NASA-MSU Awards.



| <b>Name</b>        | <b>Affiliation</b>                                       |
|--------------------|--|
| Megumi Aisu        | University of Alaska at Anchorage                        |
| Joanna Blaszcak    | Duke University  |
| Andrea Boesing     | University of Sao Paulo (Brazil) / University of Florida |
| Megan Cattau       | Columbia University                                      |
| Veronica Frans     | South Atlantic Environmental Research Institute          |
| Nathan Gill        | Clark University   |
| Anna Herzberger    | Michigan State University                                |
| Paige Howell       | University of Georgia                                    |
| Basil Iannone      | Purdue University  |
| Kristen Lear       | University of Georgia                                    |
| Snehal Mhatre      | Clemson University                                       |
| Andrea Raya Rey    | CADIC-CONICET (Argentina)                                |
| Shijie Shu         | University of Illinois at Urbana-Champaign               |
| Fang Wang          | Michigan State University                                |
| Erin Welsh         | University of Illinois at Urbana-Champaign               |
| Ruscena Wiederholt | University of Arizona                                    |
| Emily Zimmerman    | Iowa State University                                    |

### *Message from the Membership Liaison*

This update is a little different in that the person writing it is new. Anita Morzillo has stepped down after many years serving as the Member Liaison. Since the World Congress, I have been “job shadowing” her, and she fully stepped back this spring. Anita and Matt Viehdorfer (USIALE “web guy”) have developed a comprehensive system of record keeping and web-based member services over the years. Please join me in thanking Anita for her long years of service (and she isn’t slowing down; she was elected as councillor-at-large last April!).



Matt and I will continue to work together to improve the web system – but this will mostly happen behind the scenes. The one major change we’ve made over the last year is that we tracked current memberships and conference registrations at the member rates. Individuals who registered as members but were not up-to-date received a friendly email inviting them to update their membership, or

were given the choice to be invoiced for the difference between the member- and non-member-conference rates. Most folks responded by renewing their memberships quite promptly.

Since I’m your new Member Liaison, let me take a moment to introduce myself. I’ve been a member of US-IALE since 2004, and joined as a graduate student, inspired in part by spending a year in Dean Urban’s lab as a Fulbright Visiting Student. I’m an Associate Professor at Memorial University, which is in St. John’s, in the province of Newfoundland & Labrador, Canada. This is a great place to be a landscape ecologist, it’s got a mix of ecosystems (forests, bogs, barrens); with a fairly sparse human population (concentrated around the capital) and a number of interesting land uses (forestry, mining, agriculture). The flora and fauna are interesting, with a high number of non-native boreal mammals that are integrating into the island’s ecosystem in different ways.

—Yolanda Wiersma, Membership Liaison

## US-IALE Summer 2016 Awards Update

Congratulations to the following Student Award winners from the US-IALE Annual Meeting in Asheville, NC.

### Best Student Presentation

The objective of the Best Student Presentation Award is to recognize the best presentation given by a student at the annual meeting. We had 25 student entries in Asheville. **Elsa Anderson** (University of Illinois-Chicago) received an Honorable Mention for her presentation "Evaluating historic, local, social, and landscape drivers of species diversity in vacant lots in Chicago, IL, USA." The winner of the Best Student Presentation for the 2016 meeting was **Erika Newman** (University of California-Berkeley) for "Macroecology meets disturbance ecology: connecting species diversity patterns to disturbance ecology through information entropy statistics."

The Awards Committee would like to offer special thanks to this year's judges who graciously donating their time to evaluate the talks and posters: Peter August, Anne Bartuszevige, Smriti Bhotika, Patricia Butler, Kirsten de Beurs, Nathan DeJager, Janet Franklin, Amy Frazier, Chandra Giri, Sarah Goslee, Eric Gustafson, Kirsten Hazler, Geoffrey Henebry, Jeffrey Hepinstall-Cymerman, Patrick James, Daehyun Kim, Han Li, David Lieske, Stephen Matthews, Audrey Mayer, Carol Miller, Emily Minor,

Braden Owsley, Julie Ripplinger, Bruce Roll, Stephen Spear, E. Jamie Trammel, and Kimberly With.

### Student Travel Awards

Twelve Student Travel Awards were supported this year with funding provided by US-IALE. These awards included up to \$500 for travel to the conference in Asheville and were selected from an applicant pool of 37 students. The 2016 recipients were: Oludunsin Tunrayo Arodudu, Leibniz Centre for Agricultural Landscape Research

Anand Chaudhar, Baylor University

Matthew Dannenberg, University of North Carolina-Chapel Hill

Devon Gaydos, North Carolina State University

Rose Graves, University of Wisconsin-Madison

Lucas Heintzman, Texas Tech University

Eric McCluskey The Ohio State University

Erica Newman, University of California, Berkeley

Colin Phifer, Michigan Technological University

Scott Starr, Texas Tech University

Alexander Wright, University of Georgia

Hongbo Yang, Michigan State University

### Outstanding Paper in Landscape Ecology Award

The purpose of the Outstanding Paper in Landscape Ecology Award is to recognize papers published during the past two years that make an outstanding contribution to the field of landscape ecology. Papers are nominated by the US-IALE membership. The recipient of the 2016 Outstanding Paper Award was **Melissa Bruton, Martine Maron, Noam Levin, and Clive McAlpine** for their paper "Testing the relevance of binary, mosaic and continuous landscape conceptualisations to reptiles in regenerating dryland landscapes." Published in *Landscape Ecology*. 2015. 30:715-728.

### Distinguished Landscape Practitioner Award

The objective of the Distinguished Landscape Practitioner Award is to recognize outstanding applications of the principles of landscape ecology to real-world problems. The recipient of this year's award was **Charles Convis**, Director of the Esri Conservation Program (ECP). For nearly three decades, Convis has led the ECP, which empowers conservation organizations with the GIS tools and knowledge they need to conserve species, landscapes, and ecosystems by providing gifts of hardware, software, training, and travel support. The ECP supports on-the-ground application of GIS to conserve biodiversity in a number of ways. Through software grants of Esri GIS products to over 10,000 recipients, the ECP makes it possible for small conservation organizations to use GIS to achieve their goals.

### Distinguished Service Award

The award for Distinguished Service recognizes individuals who have contributed exceptionally to US-IALE in terms of time, energy and dedication that advanced the mission of



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## Foreign Scholar Travel Award (FSTA) Update

The purpose of the FSTA is to provide support for landscape ecologists from foreign countries to attend the annual US-IALE conference, and to foster international exchange about advances in landscape ecology.

With funds from the IALE International, Executive Council, Silent Book and Software Auction, and private contributions, five (5) awards at US\$1200 were awarded at the Asheville meeting.



### Awardees

**Vasile-Cosmin Cosofret, Romania; Presentation:** Forest vegetation disturbances and landscape changes in complex forest ownership areas on LANDSAT Images: a case study in the northern Romanian Carpathians

**Aniko Polo-Akpisso, Togo; Presentation:** Ecological characteristics of natural habitat within the complex of protected areas Oti-Keran-Mandouri in Togo

**Marina Peres Portugal, Brazil; Presentation:** Effects of grain size on the identification of Jaguar (*Panthera onca*) priority conservation areas in Cerrado, Brazil

**Rodrigo Fuentes, Chile; Presentation:** Assessing the effects of landscape change on the provision of water supply and quality through spatially explicit modeling

**Floor van der Hilst, Netherlands; Presentation:** Variation in carbon balances of wood pellet production in Southeast US

In addition to support from US-IALE and IALE International, funds are raised at the annual meeting in our silent book and software auction. Many thanks to this year's contributors of donated items:

Clark Labs: 1 TerrSet license and 1 Land Change Modeler for ArcGIS license

Books from Springer Publishing, Island Press, and John Hopkins University Press

Books from several private donors, including GIS for Biologists by Colin MacLeod; Faulk Huettemann's book

We are incredibly excited for the US-IALE meeting in Baltimore next spring. If you would like more information on the FSTA program, please email Kathy at

[kathy.vigness.raposa@gmail.com](mailto:kathy.vigness.raposa@gmail.com)



**Rose Graves (left) & Brian Picard (right)**  
student representatives.

## Student News and Notes

The 2016 US-IALE annual symposium was a huge success, bringing together students, researchers, and landscape ecology professionals from almost every state. We would like to extend a warm thank you to all the students, researchers, and professionals who made the journey to Asheville, North Carolina. There were approximately 130 students that attended this year's conference, and our post conference student surveys revealed that about 1/3 were attending their first IALE conference. 2016 saw a large expansion of its attendees, with students playing a significant role in this growth.

The trend of aiding student development continued in Asheville, with students engaging in several networking and professional activities sponsored and organized by US-IALE. Fully embedding students in every aspect of the conference allows students to learn about new research, career opportunities, and to understand different perspectives from around the US and the world at large. Student activities included a walking tour around downtown Asheville, student social and a student-mentor luncheon aimed at allowing students and landscape ecology professionals to engage in a friendly, laid back environment.

Student Representatives Whalen Dillon and Rose Graves got the conference off to great start by leading students through a guided downtown Asheville tour. The walk gave students an opportunity to meet each other and become familiarized with the many great things to do in Asheville and the area around the venue in general. In its second year of implementation, this informal pre-conference activity received great feedback from this year's conference and online survey.

The "We'll Pick up the Tab" Student-Professional Social event on Tuesday night provided a great networking opportunity for students and landscape professionals to connect. In this event landscape ecology professionals were asked to purchase drink tickets for students, which were randomly distributed to each student who attended the social.

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## President's Message (cont.)

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expand our ability to conceptualize the integration of biophysical and human dimensions in landscape change, measure and model system dynamics, and develop solution-driven research that matters.

What I love about US-IALE is a culture that facilitates meaningful discussion about these exciting frontiers, where students are warmly encouraged to engage with academics and practitioners. I'm especially excited to support this new generation of interdisciplinary scientists skilled in developing novel understandings of spatial phenomena and applying that knowledge to the world's most pressing needs. We are at an exciting point in the evolution of Landscape Ecology when we have more data and better models than ever before. The burning question is: what are we going to do with it to make a difference? I strongly believe that today's Landscape Ecology students will be at the forefronts of the biggest breakthroughs.

As President of US-IALE, I look forward to upholding our rich culture of engagement and strengthening support for our members in several areas: 1) further expand and diversify scholarships and professional-development re-

sources for students and early-career scientists, 2) build additional partnerships that foster additional education and training opportunities, and 3) establish a mentoring network for women scientists and practitioners that promotes sponsorship and coaching.

Thank you Janet Franklin and our Association's amazing group of Officers for showing me the ropes over the past year. It's a true pleasure to work with all of you. I have a big tiara to fill! Thanks also to Bill Hargrove and the 2016 Asheville local hosts for putting on a wonderful meeting in April. I look forward to the great things we will accomplish together over the next two years!

Can't wait to see everyone in Baltimore, MD for the 2017 US-IALE Annual Meeting!

Get involved! If you have ideas about how US-IALE could better serve its members, or would like to serve on one of our standing committees, please contact me at [president@usiale.org](mailto:president@usiale.org).

—Ross Meentemeyer North Carolina State University

US-IALE President 2016-2018

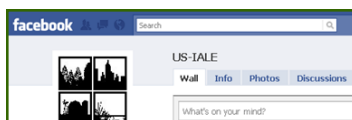


## Communications Committee

The aim of the Communications Committee is to coordinate and facilitate the communication of US-IALE activities and to promote an understanding of and appreciation for landscape ecology. Following the Annual Meeting in Asheville, the Communications Committee was busy preparing press releases to inform the media of the recipients of our Distinguished Landscape Ecologist Award, Distinguished Landscape Practitioner Award, and Distinguished Service Award. This is a task that the Committee will take on following each meeting in the future.

In 2016-2017, in addition to continued consideration of a code of conduct and guidelines for the use of social media for US-IALE, the Committee plans to tackle a website re-design, informed by a survey of the membership. Please keep an eye out for a survey request from us in the near future! Finally, we thank Whalen Dillon for his significant and excellent contributions to the work of the Committee in its first year.

If you have suggestions for the Committee or would like to participate in Committee activities, please contact Sara Gagné at [sgagne@unc.edu](mailto:sgagne@unc.edu).



Join us on FACEBOOK

for up-to-date information

<http://www.facebook.com/usiale>

## Policy Committee

The Policy Committee and other members of US-IALE published an article in the June 2016 issue of journal *BioScience*, "How landscape ecology informs global land-change science and policy". The article focused on the three emerging issues in landscape ecology that a survey of US-IALE members identified as most critical: land use change generally, urbanization, and climate change. The *BioScience* article is available as open access here: <https://bioscience.oxfordjournals.org/content/66/6/458>. The lead author and chair of the Policy Committee (Audrey Mayer) also produced a Podcast with James Verdier, senior editor of *BioScience*, to publicize the article (<https://www.aibs.org/publications/news/latest-bioscience-talks-podcast.html>). The Policy Committee's proposal for a Policy Working Group for the international IALE organization was approved (<http://www.landscape-ecology.org/working-groups/policy-working-group.html>). The intent of this working group is for members from many different chapters would help transfer knowledge from landscape research to policy makers at municipal, regional, national or international scales, and conversely, identify policy areas which are in need of information and further research from landscape ecology. The committee will be sponsoring a policy-related symposium for the next US-IALE meeting in Baltimore. New members are always welcome to the Policy Committee, as well as ideas for projects or areas in which the committee should focus its efforts. Please contact the chair (Audrey Mayer, [almayer@mtu.edu](mailto:almayer@mtu.edu)) with inquiries.

## US-IALE Annual Meeting (cont.)



*(Continued from page 1)*

attended by people who believe that the best science comes from the overlaps in scientific subjects — the intersection between multiple disciplines,” says Bill Hargrove, a research ecologist with the Eastern Threat Center and chair of the meeting’s organizing committee. “Because of their common interests, meeting attendees engage in deeper attempts at cross-disciplinary thinking, bridging vocabulary and terminology across subjects. This is one of the unique aspects of the annual US-IALE meeting and why it has been my favorite meeting to attend over the last three decades.” Eastern Threat Center research ecologists Kurt Riitters and Steve Norman, Center Director Danny Lee, and biological science information specialist Stephanie Worley Firley also helped to organize the meeting’s program on behalf of US-IALE.

The Forest Service has a long history of membership and support for US-IALE, though this is only the second time the agency has played a key role in organizing the annual meeting. Three Forest Service scientists have served as US-IALE President, including Riitters, who says, “The US-IALE annual meeting is an ideal opportunity to broaden one’s perspective and

make new connections – to deliver on the promise of ecology as an interdisciplinary science.” The next opportunity to get involved comes when university colleagues and the host city of Baltimore welcome attendees to the US-IALE annual meeting in April 2017.

The abstracts from the conference have been assembled into one pdf, available here: <http://www.usiale.org/asheville2016/printed-program>.

This booklet includes the abstracts from the conference website for the speakers who attended. It does not include several last-minute additions to the program.

For more information, email Bill Hargrove at [whargrove@fs.fed.us](mailto:whargrove@fs.fed.us).



## Awards (cont.)



(Continued from page 3)

US-IALE in an extraordinary manner. The recipient of this year's award was **Robert Scheller**, Associate Professor in the Department of Environmental Science and Management at Portland State University. Scheller has consistently provided strong leadership in his positions on the US-IALE Executive Committee (Treasurer), as a Committee Chair (Nominating Committee), and as Local Host of the 2011 US-IALE Annual Symposium and Program Chair of the 2015 International Association for Landscape Ecology (IALE) World Congress. He currently serves as Vice-President of IALE.

### Distinguished Landscape Ecologist

The Distinguished Landscape Ecologist Award recognizes individuals whose long-term scientific contribution has helped to define the field of landscape ecology. The recipient of this year's award was **Kimberly With**, Professor in the Division of Biology at Kansas State University.



For the past two decades, With has been an engine of innovation in landscape ecology. She is best known for her research on landscape modeling and the use of modeling for conservation purposes. Some of her most influential work has addressed the spread of invasive species in fragmented landscapes. She is a prolific author who has published more than 60 papers and book chapters. She is also the author of the forthcoming book *Essentials of Landscape Ecology*, published by Sinauer Associates.

---The 2016 US-IALE Awards Committee

Todd Lookingbill (Chair), Pete August, Jeff Hollister, Betty Kreakie, Steven Walters, & Jingle Wu

Further information about each award and a complete list of past award recipients can be found at <http://www.usiale.org/awards>

## 2017 US-IALE Annual Meeting

Baltimore, Maryland ([usiale.org/baltimore2017](http://usiale.org/baltimore2017))

People, Places, Patterns:

Linking Landscape Heterogeneity and Socio-Environmental Systems



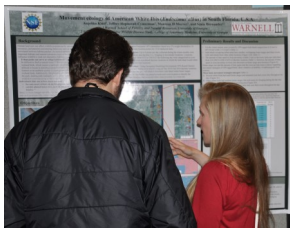
From its colonial origins, to its prominent role in the war of independence, regional industry and culture, social change, or urban renewal, Baltimore, Maryland is a national landmark. As a modern metropolis, Baltimore is renowned for its Inner Harbor attractions, World-class art museums, characteristically distinct neighborhoods, horse races, groundbreaking planning and design, and gritty blue-collar sports teams; but also for its history of segregation, urban blight, and unflattering dramatic portrayal in HBO's *The Wire* or NPR's *Serial* podcast. Today the city and the broader Chesapeake Bay watershed are a heterogeneous mix of its storied and sometimes troubled history, environmental challenges, and modern efforts at renewal and growth. We invite professionals and students to explore and confront the theme of People, Places, and Patterns: linking landscape heterogeneity and socio-environmental systems during the US-IALE 2017 Annual Meeting April 9-14<sup>th</sup> at the Inner Harbor Hyatt Regency. The Hyatt provides waterfront views and a quick walk to all Inner Harbor attractions, local historical sites, and easy access to BWI airport or Amtrak by shuttle or light rail. The meeting site offers an opportunity to explore the social context of sites from NSF's longest-running urban Long-Term Ecological Research program, pioneering urban greenspace design as well as modern planning, popular state parks and regional zoning under Maryland's efforts at 'Smart Growth', as well as efforts at long-term landscape design under land use change. We anticipate opportunities to see the Chesapeake Bay and learn about current efforts to protect water quality and restore aspects of its food web and ecosystem function. Proposals for special sessions are invited by October 14<sup>th</sup> (<http://usiale.org/baltimore2017/call-for-symposia-workshops>) and abstracts will be due December 11<sup>th</sup>. Details will be posted on the US-IALE annual meeting website. See you in Baltimore!

Host Team: Matthew Baker, University of Maryland Baltimore County (local host); Todd Lookingbill, University of Richmond (program chair); Andrew Elmore, UMCES--AL; Sarah Goslee, USDA ARS; Matthew Fitzpatrick, UMCES--AL; Matt Nicholson, USEPA

## Student News (cont.)

(Continued from page 4)

Students were instructed to find the professional who purchased their ticket and introduce themselves in order to redeem their drink ticket. An ever increasingly popular event, students and professionals alike were able to meet in relaxed setting and enjoy some fine North Carolina craft beer and company. We would like to specifically thank each of the LE professionals who purchased tickers and attended to the events. Similarly, thank you to the students who participated, we hope that for those who attended it was a positive event.



The Student Workshop offered in Asheville gave students hands-on experience manipulating climate datasets to display and interpret long-term trends. Using code provided by NOAA climate scientists, students explored the choices and

uncertainties associated with climate data sets. Some technical difficulties also gave students a chance to dynamically edit code and troubleshoot - essential skills in data analysis. Proficiency with software and coding such as R, the open-source statistical software, is rapidly becoming an expected skillset. The student workshops for the last two years have specifically targeted these skills to help students stay ahead. The student workshop is always evolving, if you have ideas or suggestions for next year's workshop please contact Rose Graves or Brian Pickard.

Students who signed up for the Student Presentation Feedback Program should have received constructive critiques of either your poster or oral presentation. If you signed up for this program and have not received feedback, please contact Rose Graves or Brian Pickard. This program gives students the opportunity to improve their research and presentation skillset without the additional pressure of competing for a presentation award. We would like to warmly thank each of the folks who offered their time and services to provide thoughtful critiques for the students.



US-IALE would also like to extend a sincere thank you to Whalen Dillion, our outgoing student representative. He has left extremely large shoes to fill by providing sincere leadership to many students, organized many great opportunities for his fellow IALE students, as well as guided many on fun-

filled student walks throughout Portland, OR and Asheville, NC. Principally, he pushed for greater student representation on the executive council and has advocated for a US-IALE code of conduct. His legacy as a student representative will be felt in the years to come and US-IALE looks forward to welcoming him into the "landscape ecology professional" category very soon.



This year, we also elected a new student representative for 2016-2018, Brian Pickard. Brian is currently pursuing a PhD at the Center for Geospatial Analytics

at North Carolina State University under the mentorship of Ross Meentemeyer. We are currently soliciting nominees for the next student representative (2017-2019) to be elected next year. If you, or a student you know, may be interested nominee statements can be submitted to Rose and/or Brian for inclusion on the ballot. Please contact us for further details or with any questions.

We hope that you will join us next year April 9-14, 2017 in Baltimore, Maryland for the next US-IALE conference. We will send reminder emails as the date approaches; including information regarding the US-IALE travel award solicitation and other student opportunities. To keep up to date with all things US-IALE you can follow us on Facebook. You can also share your news too! As always, please feel free to contact us with any questions or suggestions. As your student representatives we are here to be your voice and to advocate for students across this great community. We look forward to seeing you each in Baltimore!



Rose Graves (2015-2017) [rgraves@wisc.edu](mailto:rgraves@wisc.edu)

Brian Pickard (2016-2018) [brpickar@ncsu.edu](mailto:brpickar@ncsu.edu)





## Call for NASA-Michigan State University 2017 Professional Enhancement Awards

With support from the National Aeronautics and Space Administration (NASA) and Michigan State University (MSU), NASA-MSU Professional Enhancement Awards (up to \$700 each) are given to students, postdocs, and junior researchers (e.g., assistant professors) cover expenses associated with attending the meeting of US-IALE April 9–14, 2017, in Baltimore, Maryland (<http://usiale.org/annual-meetings#2017>). The program will enter its 20<sup>th</sup> anniversary in 2017. The application materials include a cover letter, application form, abstract (as it was submitted to the US-IALE meeting site), resume/CV, and budget. Applications are judged based on the merits of the applicants' abstracts, financial needs, and professional backgrounds and goals.

Presentations (oral or poster) should focus on telecoupling (environmental and socioeconomic interactions over distances, such as human and animal migration, species dispersal, species invasion, disease spread, sound/noise transmission, spread of pollutants and wastes, trade of goods and products, flows of ecosystem services, environmental and hydrological flows, foreign investment, technology transfer, water transfer, and tourism). Topics may include applications of the telecoupling framework to address issues across landscapes or coupled human and natural systems (e.g., dynamics, pattern, process, structure, function, and sustainability). For more information about telecoupling, please see <http://csis.msu.edu/telecoupling>.

Applicants from around the world (except former award recipients) are encouraged to apply. The application deadline is **December 15, 2016**. More information about the NASA-MSU Program is available at the web site ([http://csis.msu.edu/news/2017\\_nasa\\_msu\\_award](http://csis.msu.edu/news/2017_nasa_msu_award)) and application form is available at (<http://csis.msu.edu/form/nasa-msu-app>).

Questions can be directed to: Dr. Jianguo (Jack) Liu, Center for Systems Integration and Sustainability, Michigan State University, East Lansing, MI 48824, USA, Email: [liuji@msu.edu](mailto:liuji@msu.edu) <http://csis.msu.edu/people/jianguo-liu>

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Have a question for US-IALE? — contact any member of the Executive Committee

## U.S. Regional Association of the International Association for Landscape Ecology

### US-IALE's purpose is to:

- **foster landscape ecology in the United States**
- **provide a link among practitioners in landscape ecology within the United States as well as the international community**
- **promote interdisciplinary research and communication among scientists, planners, and other professionals concerned with landscape ecology**

### *Who Would Benefit from US-IALE Membership?*

*Landscape Architects*  
*Land and Nature Managers*  
*Land Use Planners*  
*GIS Specialists*  
*Wildlife Biologists*

*Ecologists*  
*Conservation Biologists*  
*Biogeographers*  
*Spatial Statisticians*  
*Ecosystem Modelers*

### ***Benefits of Membership***

Membership offers discounts to annual meetings and subscriptions to the journal *Landscape Ecology*.

Our annual meetings continue to expand and offer state-of-the-science access for meeting participants. We also have a very active student group who strives to engage the next generation of landscape ecologists. The [US-IALE website](#) and [FACEBOOK](#) are focal venues for students and all members to keep in touch.

The bi-annual newsletter keeps you up to date with the organization's current happenings, new efforts in which the organization is engaged, and timely articles with a landscape ecology focus. The Newsletter will continue to expand to include important news for members as well as job announcements, meeting announcements, etc. As a

member, if you have an article you would like to see in the Newsletter, contact the US-IALE Secretary.

Our website is a ready resource for landscape ecologists. Have you checked it out lately? We (the Executive Board) would like to encourage you to promote the organization and its resources to your colleagues, friends, and students.

This is a great organization—consider getting involved. Please contact one of the members of the Executive Committee for more information.

Joining is easy. Check us out at:

**[US-IALE Membership Information](#)**



*Is there something you'd like to see in the next newsletter?*

*Send your suggestions to [jhepinst@uga.edu](mailto:jhepinst@uga.edu)*

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International Association  
for Landscape Ecology

*[IALE on the Web](#)*

*[US IALE on the Web](#)*