

AAG Announces 2022 Class of AAG Fellows

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Staff

January 18, 2022



The AAG Fellows is a program, started in 2018, to recognize geographers who have made significant contributions to advancing geography.

In addition to honoring geographers, AAG Fellows will serve the AAG by contributing to AAG initiatives; advising on AAG strategic directions and grand challenges; by serving on AAG task forces or committees; and/or by mentoring early and mid-career faculty. Similarly to other scientific organizations, the honorary title of AAG Fellow is conferred for life. Once designated, AAG Fellows remain part of this ever-growing advisory body. The AAG Fellows Selection Committee has recommended these Fellows to serve as the 2022 class.

Li An, San Diego State University

Dr. Li An is a creative and ground-breaking geographer whose work on agent-based modeling and space-time analysis has significantly improved our ability to model human-environment processes, in particular land use change. In particular, his work extended “survival analysis,” which has been used to understand temporal changes, to study spatial problems, by incorporating GIScience methods into the traditional survival analysis approaches.



In honor of his work, in 2020 he was elected a Fellow of the American Association for the Advancement of Science (AAAS). At his home institution of San Diego State University, he is the founding director of the Complex Human-Environment Systems Center, jointly sponsored by San Diego State University and Peking University (China).

Dr. An has also been highly active in the greater fields of Geography and Ecological Modeling. He has currently or previously served on the boards of four journals, including the Annals of the American Association of Geographers. He was chair of the AAG Spatial Analysis and Modeling Specialty Group and has helped found a number of international research and education networks involving collaborators from around the globe. He has also helped lead equity, inclusion, and diversity efforts in the North American Regional Association of the International Association for Landscape Ecology (IALE-NA).

Overall, Dr. An is a creative and inclusive scholar whose work brings together both areas of study and people to uncover new ways of thinking.

Budhendra Bhaduri, Oak Ridge National Laboratory

Dr. Budhendra Bhaduri is a world leader in innovation, development, and application of research in human dynamics, geographic data science, remote sensing, and scalable geocomputation.

As Corporate Research Fellow and Director of Geospatial Science and Human Security Division at Oak Ridge National Laboratory (ORNL), he leads a cross-disciplinary initiative in data-driven understanding of complex urban systems that demonstrate the importance of integrating the geographic sciences with environmental and social scientists for addressing key societal issues. Dr. Bhaduri inspired the LandScan program, which produced exceptional fine-resolution population distribution databases that are a key community resource for population data across the world.

An award-winning mentor known for promoting inclusion and diversity, Dr. Bhaduri built programs that engage, inspire and advance students from a wide range of backgrounds, and he has been a champion and role model for connecting national labs with universities. A recipient of the AAG's James R. Anderson Medal in Applied Geography, Dr. Bhaduri's service has included both the Mapping Science Committee and the Geographical Sciences Committee of the National Academies of Sciences, Engineering, and Medicine.

The AAG recognizes Dr. Bhaduri for his innovation, mentorship, and wide-ranging leadership with this appointment as an AAG Fellow.



Jennifer Collins, University of South Florida

An award-winning researcher, teacher, and leader, Dr. Jennifer Collins' impacts include advancing research at the intersection of geography and meteorology/climatology, changing practice in operational meteorology, increasing public understanding of science, and inspiring students from wide-ranging backgrounds.

Her innovative and collaborative research spans hurricanes, severe weather, climate change, and geographic education. She has advanced understanding of inter- and intra-season hurricane variability and the role of social connections in evacuation and shelter planning, Dr. Collins has increased public awareness of science through innovative media outreach, and her passion for engaging students in learning through research has inspired diverse students at all levels, including through virtual learning.



Dr. Collins is a force for positive change, and she has been recognized by major AAG awards and has served both regional and national AAG including through specialty group leadership and as a national councilor.

The AAG recognizes Dr. Collins for her scholarship, outreach, mentorship, and wide-ranging service with this appointment as an AAG Fellow.

Chansheng He, Western Michigan University

Dr. Chansheng He, Professor and Distinguished Faculty Scholar, is an exemplary geographer and scholar of water resources whose work at Western Michigan University combines data gathering through remote sensing with GIS analysis and data management to link data at various spatial scales, in order to address how land management affects water resources. To do this, he brings together knowledge from fields across the social and physical sciences.



He also developed, with colleagues, spatial software that helps track surface runoff, soil erosion, and nutrient loadings. This tool has been applied to watersheds around the world. For his work, he has been made a member of the American Association for the Advancement of Science (AAAS).

Beyond his excellent scholarship, Dr. He has also added much to the discipline through his service. He has been a major reason why Western Michigan University's Geography department has distinguished itself as a thriving program. He also holds adjunct appointments in his native China. He has been active in the AAG's Water Resources Specialty Group, is currently a member of the AAG's Awards Committee, and has been a member of the AAG's Publications Committee.

Dr. He's excellence as a scholar has made him a key member of the Water Resources Geography community.

Sally Horn, University of Tennessee, Knoxville

Dr. Sally Horn is a leader in physical geography and the study of long-term climate and ecological change. She has been a pioneer in the development and application of multi-proxy paleoecological research in Latin America, the Caribbean, and the southeastern US.



She has made novel and important contributions to the study of ecology, quaternary sciences, and geography, and has served the discipline through editorial work for many top journals, serving on a multitude of AAG committees, and as one of the key drivers of the Biogeography and the Paleoenvironmental Change specialty

groups and numerous special sessions. A dedicated mentor and role model for undergraduate and graduate students and colleagues, and a gifted teacher and researcher, Dr. Horn has been honored at university, national and international levels, including the Carl O. Sauer Award (Conference of Latin American Geographers) the AAG's Barry Bishop Mountain Geography Award, the AAG's James J. Parsons Biogeography Specialty Group Award, and an AAG Presidential Achievement Award.

The AAG recognizes Dr. Horn for her scholarship, mentorship, and wide-ranging leadership and service with this appointment as an AAG Fellow.

Wendy Jepson, Texas A&M University

Dr. Wendy Jepson is an internationally recognized leader in water security issues and has conducted and presented water security research in an impressive list of countries. A Fulbright Scholar (Brazil, 2016-2017), she is a recipient of several National Science Foundation grants that focus on water security.

Jepson was one of the founders of the Household Water Insecurities (HWISE) network which has developed a cross-cultural indicator for household water security. The HWISE indicator challenges the water industry to not only consider its infrastructure but also the experiences of the people using that infrastructure, thus providing a strong incentive for change.

Dr. Jepson has served as AAG National Councilor, contributed to the Enhancing Diversity Committee (and been awarded the AAG Enhancing Diversity Award), the Committee on the Status of Women in Geography, and the AAG Climate Action Task Force.

Jepson has long been at the forefront of finding solutions to water security issues, but she is also committed to addressing the pressing problems that geography faces as a discipline. The AAG is therefore pleased to recognize Dr. Wendy Jepson as AAG Fellow.



Kam-Biu Liu, Louisiana State University

Dr. Kam-Biu Liu is considered the world's leading expert on paleotempestology (the use of geological evidence in identifying past hurricane activity) and paleoecological reconstruction (the use of pollen and sedimentary data in studying environmental changes).

He has also produced internationally recognized collaborative research on the use of ice cores for pollen extraction and paleoenvironmental reconstruction from alpine icecaps in



China and South America. He has exceptional and sustained publication and grants records, publishing more than three significant works every year, and has received over 30 grants from the National Science Foundation.

Liu is a Fellow of the American Association for the Advancement of Science and has received the AAGs Paleoenvironmental Change Specialty Group's Lifetime Achievement Award. He serves the Department of Oceanography and Coastal Sciences at Louisiana State University as Department Chair and George W. Barineau III Professor, and has made diversity, equity, and inclusion a strategic priority in his department.

The AAG is proud to recognize Dr. Kam-Biu Liu as an AAG Fellow.

Sheryl Luzzadder-Beach, The University of Texas-Austin

Dr. Sheryl Luzzadder-Beach is recognized for her outstanding record in research, teaching, and service to the discipline. Her research fieldwork is carried out in extraordinarily harsh tropical environments of lowland eastern Central America in support of work on reconstructing Mayan paleoenvironments.



She has received research awards from both the Geomorphology and Paleoenvironmental Change Specialty Groups. Her service to the AAG includes serving as Vice President, President, and Past President from 2017-2020, along with serving on a wide array of AAG committees and program initiatives. She has also contributed to the discipline through her service as Chair of the Department of Geography and the Environment at The University of Texas at Austin, one of the largest geography programs nationally, and through her work in several high-level positions representing the discipline at George Mason University.

Luzzadder-Beach has tirelessly mentored junior faculty and doctoral students, having an important hand in shaping the next generation of our scholars. She was the Hydrology Section Editor for the AAG's *International Encyclopedia of Geography* and serves on a range of editorial boards for leading publications.

The AAG is proud to recognize Dr. Sheryl Luzzadder-Beach as an AAG Fellow.

Frank Magilligan, Dartmouth College

Dr. Frank Magilligan is recognized for his outstanding research productivity while also being renowned for his teaching in the Department of Geography at Dartmouth College.

Professor Magilligan has made seminal contributions to our understanding of human impacts on natural river systems, and the influence of extraordinary natural events on river dynamics. His research has been recognized with the Geomorphology Specialty Group's G.K. Gilbert

Award for Excellence in Research, a Guggenheim Fellowship, and by being appointed in 2013 as a Fellow of the Geological Society of America.

He has served as the Chair and Secretary/Treasurer of the Geomorphology Specialty Group of the AAG, on the AAG's Nystrom Award Committee, and twice been a member of the Annals of the AAG editorial board. At the National Science Foundation, he has served as a panelist on the Graduate Fellowship Committee, the Geography and Regional Science Program, and the interdisciplinary Coupled Humans and Natural Systems Program. He also served as chair of the Department of Geography at Dartmouth for six years and represented the department on numerous college committees.



The AAG is pleased to recognize Dr. Frank Magilligan with the title of AAG Fellow.

George Malanson, University of Iowa

Dr. George Malanson is the world's foremost expert on riparian landscapes, and his book *Riparian Landscapes* is recognized as the definitive word on the subject. He is also internationally recognized for his research on ecological processes and environmental change, particularly focusing on alpine treeline processes and invasion of treeline into alpine tundra.



He served his department for many years as Chair at the University of Iowa and was the Program Director of the Population and Community Ecology Cluster in the Division of Environmental Biology for two years at the National Science Foundation. Malanson has served on the editorial board of the *Annals of the American Association of Geographers*, and in retirement currently serves as editor-in-chief of the international journal *Progress in Physical Geography*. He also served as the Biogeography Section Editor for the AAG's *International Encyclopedia of Geography*.

Malanson is a past chair of both the Biogeography and Mountain Geography Specialty Groups and has received the Distinguished Career Award from both groups. In 2016, he was recognized by the AAG with its Lifetime Achievement Honors.

The AAG is proud to now bestow upon him the title of AAG Fellow.

Jean-Claude Thill, University of North Carolina, Charlotte

Dr. Jean-Claude Thill is Knight Foundation Distinguished Professor at the University of North Carolina, Charlotte. Thill is highly regarded for his substantial research and training contributions to quantitative human geography and GIScience sub-field.

He has an impressive record of sustained and diverse service to the discipline. For ten years, he served as the editor-in-chief of one of the top journals in GIScience and quantitative methods, *Computers, Environment, and Urban Systems*. Throughout his tenure as editor, the journal grew in reputation and impact.

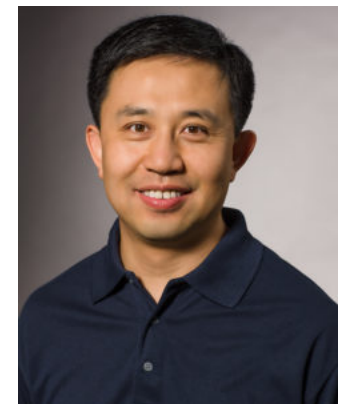


As Executive Director of the North American Regional Science Council (NARSC), Thill has critically supported a generation of North American quantitative geographers. Beyond the impact of his service, Thill has written or edited more than ten books and been the author or co-author of several dozen peer-reviewed journal articles. His research, for which he is regarded as one of the best-known and most highly regarded members of his sub-field, has been successfully and impressively funded by the National Science Foundation, national and regional government agencies, such as the Department of Energy and the North Carolina Department of Transportation.

Professor Jean-Claude Thill is recognized for his immense contributions to Geography and the American Association of Geographers with his appointment as an AAG Fellow.

Shaowen Wang, University of Illinois, Urbana-Champaign

Dr. Shaowen Wang is a Professor and Head of the Department of Geography and Geographic Information Science at the University of Illinois, Urbana-Champaign (UIUC). He is the founding director of the CyberGIS Center for Advanced Digital and Spatial Studies at UIUC.



Dr. Wang coined the term cyberGIS and developed the first theoretical framework of cyberGIS, offering novel approaches to interdisciplinary and transdisciplinary geospatial discovery and innovation. His work has demonstrated the value of high-performance and distributed computing for data- and computationally intensive geographic analysis. The cyberGIS software and tools created in his research have been used to make complex computational work possible by tens of thousands of researchers and educators in domains ranging from the geosciences to social sciences.

In addition to his research, he has developed online graduate certificates and MS degrees in cyberGIS and geospatial data science at UIUC and has supervised more than 30 PhD students and postdoctoral fellows in his first 16 years as a faculty member.

Dr. Wang has also deeply engaged in service across the GIScience community, including partnership with the AAG and UCGIS to conduct “summer schools” focused on developing the next generation geospatial workforce, and service to the CyberInfrastructure Specialty

Group. The AAG recognizes Dr. Shaowen Wang as an AAG Fellow for his outstanding research, mentoring, and service.

Xinyue Ye, Texas A&M University

Dr. Xinyue Ye is the Harold L. Adams Endowed Professor on Interdisciplinary Built Environment Research, and Associate Professor of Provost Investment Hire for Urban Planning at Texas A&M University, where he is the founding director of Urban Data Science Lab. Dr. Ye is one of the most cited urban and regional research scholars in the world, and widely recognized for his contributions in geography as well as computational science.



Dr. Ye has an outstanding publication record and numerous federal grants to promote human-centered urban informatics, especially the convergent research across disciplines towards urban sustainability and community resilience. He has secured grants for this work from the U.S. National Science Foundation, the Department of Transportation, the Department of Commerce, the Department of Energy, and the National Institute of Justice. His interdisciplinary research and positions held in geography, planning, and computational science provide him with unique insights into the functioning of complex systems such as cities.

Dr. Ye has led four different AAG Specialty Groups and served on the AAG International Research and Scholarly Exchange Committee. He is committed to help students develop the knowledge and skills in spatial data science and data analytics that are needed to identify and address the problems of today's world.

The AAG is pleased to recognize Dr. Xinyue Ye as an AAG Fellow.

The AAG Fellows are chosen by the AAG Fellows Selection Committee, and is comprised of volunteers from the AAG Membership and AAG Fellows. The 2021-2022 committee is comprised of Jonathan Harbor, Purdue University (Chair); Sarah Battersby, Tableau, Inc.; Jovan Lewis, UC Berkeley; David R. Butler, Texas State University; Daniel Block, Chicago State University, and Heike Alberts, University of Wisconsin Oshkosh.