

## **Short Biography**

**Dr. Qihao Weng** Dr. Qihao Weng is the Director of the Center for Urban and Environmental Change and a Professor of geography at Indiana State University, USA. He was a visiting NASA Senior Fellow (2008-09). Dr. Weng is a Guest/Adjunct Professor of several major universities including Peking University and a Guest Research Scientist at Beijing Meteorological Bureau, China. He received his Ph.D. degree in geography from the University of Georgia in 1999. At the same year, he joined the University of Alabama as an assistant professor. Since 2001, he has been a member of the faculty in the Department of Earth and Environmental Systems at Indiana State University, where he has taught courses on remote sensing, digital image processing, GIS, environmental modeling, and urban studies, and has mentored 15 doctoral and 13 master students.

Dr. Weng's research focuses on remote sensing and GIS analysis of urban ecological and environmental systems, land-use and land-cover change, environmental modeling, urbanization impacts, and human-environment interactions. He is the author of 199 articles (peer-reviewed journal articles, book chapters, and others) and 10 books. According to Web of Science, his publications have been cited by others 4,466 times with H-index of 35. Dr. Weng has worked extensively with optical and thermal remote sensing data, and more recently with LiDAR data, primarily for urban heat island study, land-cover and impervious surface mapping, urban growth detection, image analysis algorithms, and the integration with socioeconomic characteristics, with financial support from US funding agencies that include NSF, NASA, USGS, USAID, NOAA, National Geographic Society, and Indiana Dept of Natural Resources. Dr. Weng was the recipient of the Robert E. Altenhofen Memorial Scholarship Award by the American Society for Photogrammetry and Remote Sensing (1999), the Best Student-Authored Paper Award by the International Geographic Information Foundation (1998), and the 2010 Erdas Award for Best Scientific Paper in Remote Sensing by ASPRS (1st place). At Indiana State University, he received the Theodore Dreiser Distinguished Research Award in 2006 (the university's highest research honor) and was selected as a Lilly Foundation Faculty Fellow in 2005 (one of the six recipients). In May 2008, he received a prestigious NASA senior fellowship. From American Association of Geographers (AAG), Dr. Weng has received the Outstanding Contributions Award in Remote Sensing in 2011 and the Willard and Ruby S. Miller Award in 2015 for his outstanding contributions to geography. Dr. Weng has given 90 invited talks (including colloquia, seminars, keynote address and public speech), and has presented over 110 papers at professional conferences (including co-presenting).

Dr. Weng is the Coordinator for GEO Global Urban Observation and Information Initiative (2017-2019). In addition, he serves as an Editor-in-Chief of *ISPRS Journal of Photogrammetry and Remote Sensing*, and is the Series Editor of *Taylor & Francis Series in Remote Sensing Applications*. He has been the organizer and Program Committee Chair of the biennial IEEE/ISPRS/GEO sponsored International Workshop on Earth Observation and Remote Sensing Applications (EORSA) conference series since 2008. Significant past services included as a National Director of American Society for Photogrammetry and Remote Sensing (2007-2010), Chair of AAG China Geography Specialty Group (2010-2011), the Secretary of ISPRS Working Group VIII/1 (2004-08), as well as a panel member of U.S. DOE's Cool Roofs Roadmap and Strategy in 2010.