About the authors

**Siamak Khorram** has joint appointments as a professor of remote sensing and image processing at both the University of California at Berkeley and North Carolina State University. He is also the founding director of the Center for Geospatial Analytics and a professor of electrical and computer engineering at North Carolina State University and a member of the Board of Trustees at International Space University (ISU) in Strasbourg, France. Dr. Khorram was the first dean of ISU and a former vice president for academic programs as well as a former chair of the ISU’s Academic Council. He has also served as the American Society for Engineering Education (ASEE) fellow at Stanford University and NASA Ames Research Center. Dr. Khorram has extensive research and teaching experience in remote sensing, image processing, and geospatial technologies and has authored well over 200 publications. He has served as the guiding professor for numerous PhD and masters graduate students. He is a member of several professional and scientific societies. His graduate degrees were awarded by the University of California at Davis and Berkeley.

**Cynthia F. van der Wiele** is a senior physical scientist with the US Environmental Protection Agency (USEPA), Region 4, NEPA Program Office. Previously, she was a research associate and adjunct faculty at North Carolina State University. Her research interests include the development of high accuracy land use/land cover classifications for analysis and improved land use and conservation planning and policies. Dr. van der Wiele received her BS in engineering and Masters of Landscape Architecture from North Carolina State University, a Masters in Forestry and a Masters in Environmental Economics and Policy from Duke University, and her PhD in community and environmental design from North Carolina State University. She is active in several national and international professional societies.

**Frank H. Koch** is a research ecologist with the US Department of Agriculture (USDA) Forest Service. Previously, he was a research assistant professor at the North Carolina State University. His primary area of research is alien forest pest in-
vasions. Specifically, he is interested in the spatiotemporal dynamics of invasions at national and continental scales. This multidisciplinary work involves geographical information systems (GIS), remote sensing, statistics, and spatial simulation modeling. Dr. Koch regularly collaborates with other USDA Forest Service scientists as well as researchers from the Canadian Forest Service, the USDA Animal and Plant Health Inspection Service, and several universities. He has authored numerous journal articles and other publications. Dr. Koch received his BA from Duke University and MS and PhD from North Carolina State University.

Stacy A. C. Nelson is currently an associate professor and a researcher with the Center for Geospatial Analytics at North Carolina State University. Dr. Nelson received a BS from Jackson State University, an MA from The College of William & Mary, and a PhD from Michigan State University. His research centers on GIS technologies to address questions of land use and aquatic systems. He has worked with several federal and state agencies including the NASA Stennis Space Center in Mississippi, the NASA Regional Earth Science Applications Center (RESAC), the USDA Forest Service, as well as various state-level agencies. He is active in several professional societies.

Matthew D. Potts is an associate professor of forest ecosystem management at the University of California at Berkeley. He has a broad interdisciplinary background with training in mathematics, ecology, and economics, with a BS from the University of Michigan and a PhD from Harvard University. Matthew has extensive international experience conducting field research in tropical forests throughout the world. His varied research interests include spatial aspects of forest management and land use planning as well as how human actions, values, and ethics affect biodiversity conservation.
Principles of Applied Remote Sensing
Khorram, S.; van der Wiele, C.F.; Koch, F.H.; Nelson, S.A.C.; Potts, M.D.
2016, XII, 307 p. 85 illus., 55 illus. in color., Hardcover
ISBN: 978-3-319-22559-3