IEEE GRSS Workshop

on Forest Mapping, Forest Carbon, and REDD+

General Information

This Workshop is presented by the IEEE – Geoscience and Remote Sensing Society. The Geoscience and Remote Sensing Society seeks to advance science and technology in geoscience, remote sensing and related spatial information disciplines. The fields of interest of the Society are the theory, concepts, and techniques of science and engineering as they apply to the remote sensing of the earth, oceans, atmosphere, and space, as well as the processing, interpretation and dissemination of this information.

Theme

"Forest Mapping, Biomass Estimation and REDD+ Preparation for Carbon Accounting Using Remote Sensing"

Topics

- Overview of optical and radar approaches to mapping and monitoring forest environments.
- Developing forest and non-forest maps for biomass measurement and carbon modelling.
- Detecting deforestation and degradation effects from remote sensing.
- Annual time series and mapping land-cover change.
- Reducing Emissions from Deforestation and Degradation (REDD) - an overview.
- REDD+ preparation and implementation.

Presenters

David G. Goodenough has been a senior Research Scientist at Pacific Forestry Centre in Victoria, BC, of the Canadian Forest Service, Natural Resources Canada. He is also an Adjunct Professor of Computer Science at the University of Victoria. Dr. Goodenough worked at the Canada Centre for Remote Sensing (1973-1991), where he was a Chief Research Scientist and Head of the Knowledge-Based Methods and Systems Section. His current research interests focus on forest information from hyperspectral and polarimetric radar systems in order to create geospatial products for forest species, forest health, and forest carbon, and grid computing systems for data management.

Anthea Mitchell received her BSc degree in Applied Geography in 1999 and PhD in remote sensing in 2004 from the University of New South Wales, Sydney, Australia. She is currently a visiting research fellow with the Cooperative Research Centre for Spatial Information (CRC-SI) at the University of New South Wales. Her research interests are in radar remote sensing, mangrove and wetland dynamics and forest monitoring.

Anthony Milne received his PhD from the University of Colorado, Boulder, in 1977. He is currently a Visiting Professor of Geography and Remote Sensing in the School of Biological, Earth and Environmental Sciences at the University of New South Wales, Sydney, Australia and previously Remote Sensing Science Manager in the Australian Government sponsored Cooperative Research Centre for Spatial Information. His research interests lie in radar remote sensing, vegetation assessment and the mapping of wetlands.