Programme and teachers

23.7. Optical Remote Sensing Session

New trends in optical remote sensing data and technics, with emphasis on Landsat-8 and Sentinel-2 missions. An evaluation of impacts of land use/land cover change on ecosystems (e.g. forest disturbances, agricultural land changes and abandonment), Landsat time series analysis, the validation of forest cover change, Land Cover/ Land Use database, harmonisation of LCLU data, social-economic aspects of changes

Lecturers:

Garik Gutman: NASA Headquarters , USA
Brice Mora: Wageningen University, the Netherlands
Přemysl Štych: Charles University in Prague, Czech Republic
Gregory N. Taff, Norwegian Forest and Landscape Institute, Norway

24.7. Field trip

In-situ data collection using modern tools (e.g. high-quality GPS receiver, field spectroradiometer and lidar data)

25.7. SAR Session I.

Introduction to SAR methods, SAR data – Sentinel-1 mission.Applications of SAR data in the ecosystems dynamics, Forestry application, Forestry vegetation changes

Lecturers:

Francesco Sarti: ESA – Esrin, Italy
Magdalena Fitrzyk: ESA – Esrin, Italy
Antonios Mouratidis: Remote Sensing & GIS Applications Laboratory, Department of Physical and Environmental Geography, Aristotle University of Thessaloniki, Greece

26.7. SAR Session II.

Applications of SAR data in the biomass estimation

Lecturers:

Pierre-Louis Frison, Laboratoire MATIS – IGN/UPEM, Universite Paris-Est Marne-la-Vallee, France
Stephane Mermoz: The Center for the Study of the Biosphere from Space (CESBIO), France

27.7. SAR and Lidar Session

SAR and Lidar data for the mapping of forest vegetation

Lecturers:

Massimo Barbieri, Cascine di Barico, Purasca, sarmap SA, Switzerland
Ivan Sackov: National Forest Centre in Zvolen, Slovakia