

University of Pavia

Ph.D. School of Electrical and Electronics Engineering and Computer Science

SEMINAR ANNOUNCEMENT

Optical Remote Sensing in Mountain Ecosystem Analysis

Dr. Vahagn Muradyan

Center for Ecological-Noosphere Studies

National Academy of Sciences, Republic of Armenia

Yerevan, Armenia

Thu 23rd June, 2022, 2:15 pm – Magenta Seminar Room

Dept. of Electrical, Computer and Biomedical Eng., University of Pavia – Via Ferrata, 5 – Pavia

Abstract: The topic of the seminar is specialized processing of optical remote sensing data for spatiotemporal analyses of landscape components on solid Earth: vegetation, soil, and their relationship with climatic factors. A special focus will be placed on radiometric, topographic and atmospheric correction of data, with insights on the main preprocessing methods for optical remote sensing data in the context of mountain ecosystem analysis.

Bio: Dr. Prof. Vahagn Muradyan holds a PhD in geography. Since 2008 he has been working in the Center for Ecological-Noosphere Studies, National Academy of Sciences of Armenia (CENS NAS RA) as a leading Scientists in GIS and remote sensing department. At the same time, dr. Muradyan has been professor at the International Scientific Centre (ISEC), Yerevan State University, and research fellow at the National Academy of Sciences RA, National University of Architecture and Construction of Armenia. The title of PhD thesis was “A landscape-ecological assessment of mountain ecosystems applying geographical information system on the example of the territory of Syunik Marz, RA”. He has over 80 publications, mostly related to landscape planning, ecological analysis, dynamics of ecosystems, Geographic Information Systems (GIS), Remote Sensing technology, remote sensing of water quality, Remote sensing of soil, vegetation, crops pollution, remote sensing and GIS for the study of climate.

Organizer

Prof. Fabio Dell'Acqua

Ph.D. Coordinator

Prof. I. Cristiani