Solar Energy and Building Physics Laboratory
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LESO LUNCHTIME* LECTURES

renewable energy - building science - urban physics

Friday 6 February 2015, 12h15-13h15
EPFL – GCC330

GEOSPATIAL DATA MODELLING USING MACHINE LEARNING ALGORITHMS

Professor Mikhail Kanevski
University of Lausanne

Summary

The presentation deals with an application of machine learning algorithms (supervised and unsupervised) for the analysis, modelling, and visualization of geospatial data. Some recent achievements in processing of environmental, natural hazards and socio-economic geospatial data are presented. In conclusion, the new and challenging tasks and unsolved problems are discussed.

Author

Mikhail Kanevski is a Professor at the Faculty of Geosciences and Environment (Institute of Earth Surface Dynamics) of the University of Lausanne. His main scientific interests concern general topics in geomatics, environmental data analysis and modelling (machine learning and geostatistics), space-time point pattern analysis, time series predictions. An important part of his research deals with geospatial data mining and applications of machine learning algorithms to environmental risks and natural hazards, to the analysis of socio-economic, demographic and financial data. Prof. Kanevski has published two books and more than 100 peer-reviewed papers and conference proceedings on corresponding topics.

Open to all !

*Presentations are followed by drinks & snacks, to give the opportunity to guests and speaker to further discuss the topic.