

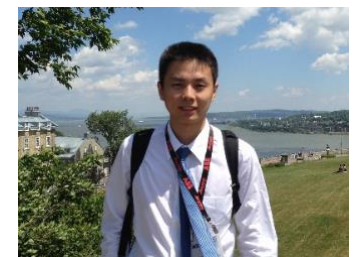
SEMINAR

I am pleased to announce that on **July 18th, 2018 at 14:00 in aula Savarese (6th floor South side)** - Department of Engineering, Università degli Studi di Napoli Parthenope, Centro Direzionale, Isola C4 – the seminar entitled:

Using High Resolution Optical and Polarimetric SAR Images for Urban Impervious Surface Extraction

will be given by Li Yu, PhD in Earth System and Geo-information Science and Lecturer of Information and Communication Engineering at the Beijing University of Technology.

Abstract: Urban impervious surface (IS) has become a key indicator of urbanization. The changing of IS reflect the human activities in modifying the nature, which is important for social and economic studies. Optical and SAR remote sensing provides complementary information in urban impervious surface extraction (ISE). In this seminar, studies that conducted systematically based on high resolution GF-1 optical and RadarSAT-2 quad-polarimetric SAR images will be introduced. The statistical analysis on the capability of optical and polarimetric SAR features in distinguishing different urban land using Kullback–Leibler (K-L) divergence will be shown. Supervised classification results based on shallow and deep classifiers will be presented. It will be demonstrated that how the complementary information provides by optical and SAR data improved the performance of land use land cover classification, and then the impervious surface extraction.



I am looking forward to seeing you on **July 18** at Università degli Studi di Napoli Parthenope.