THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學

DEPARTMENT OF
LAND SURVEYING AND GEO-INFORMATICS
土地測量及地理資訊學系

LSGI Distinguished Lecture Series

How open is OpenStreetMap?

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Date : 22 June 2017 (Thursday)
Time : 11:00 AM
Venue : Z509

Abstract

At the present, OpenStreetMap (OSM) is considered one of the most successful and popular VGI projects, and it has attracted significant and sustained interest in academy, industry, and governmental agencies. Thanks to the openness and wide availability, there is increasing interest in using OSM data in projects of different application domains. Nevertheless, people are often skeptical about the usability of VGI due to its quality issues: heterogeneity, unpredictability, credibility, ambiguity, inaccuracy, incompleteness, because the data are collected through crowdsourcing. In this talk, Dr. Fan is going to share his research findings and experiences about OpenStreetMap, especially about the spatiotemporal behaviors of the OSM contributors and the uncertainty in the data.

Biography

Dr. Hongchao Fan has been working as Group Leader for 3D Geodata Infrastructure at Heidelberg University since 2012. He is member of the Centre for Scientific Computing (IWR) and Heidelberg Centre for Environment (HCE) at Heidelberg University. Before he went to Heidelberg, he was Assistant Professor at Tongji University in Shanghai, China. Dr. Fan finished his PhD study in cartography and photogrammetry at the Technical University of Munich in 2010. He did his master study in surveying and geoinformatics at the University of Stuttgart from 2012 t0 2006. He is scientific committee member of several international conferences and member of several working groups of international scientific society. His research focuses include spatial data mining and knowledge discovering by using crowdsourcing data. Dr. Fan published more than 50 scientific papers including 20 ISI indexed journal papers and a number of international conference papers. He received research funding for one project from NSFC and the other from DFG (the German Scientific Research Foundation).

From June, 2017, Dr. Fan is appointed as professor of Geoinformatics at Wuhan University, while he is still associated as Group Leader at Heidelberg University.

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