

VORträge zum Operations Research

Kolloquium des Instituts für Operations Research

Zeit: Mittwoch, 19. Juni 2019, 16:00 Uhr

Ort: Gebäude 05.20, Raum 4A-09

Es spricht: Prof. Jochen Albrecht, GISP, Computational and Theoretical Geography, Hunter College, City University of New York

Zum Thema: **OR4OSGEO (Operations Research for Open GIS)**

Abstract: Spatial Decision Support Systems (SDSS) were a hot topic in the 1990s, when researchers tried to imbue GIS with additional decision support features. Successful practical developments such as HAZUS or CommunityViz have since been built based on commercial desktop software and without much heed for theory other than what underlies their process models. Others, like UrbanSim, have been completely overhauled twice but without much external scrutiny. Both, the practical and theoretical foundations of decision support systems have developed considerably over the past 20 years and I will present an overview of these developments and then take a look at what corresponding tools have been developed by the open source communities. In stark contrast to the abundance of OpenGeo software, there is currently no open source SDSS. The presentation will therefore conclude with a discussion of different approaches that lend themselves to be used as platforms for us to develop an open source framework to build an SDSS according to our needs.

Bio-sketch

Dr. Albrecht is a professor for Computational and Theoretical Geography at Hunter College in New York City. He has previously held positions at the Universities of Auckland (NZ), Wisconsin, and Maryland. Jochen has published two books, 19 journal articles and 13 other refereed publications. His current research focuses on (1) spatial regression modeling of drivers of global greenhouse gas emissions, (2) neighborhood-level behavioral modeling of environmental stressors in New York City, (3) the formalization of GIS process models, and (4) GIS portfolio management. Prof. Albrecht has served on the boards of several specialty groups of the Association of American Geographers, the Urban and Regional Information Systems Association (URISA), and now the GIS Certification Institute. He has been the general editor of the URISA Journal and is now a section editor of the UCGIS (University Consortium for Geographic Information Science) Body of Knowledge. In 2018, Dr. Albrecht received the UCGIS Education Award.

Die Vorträge zum Operations Research wenden sich an alle Interessierten!

Bei Rückfragen wenden Sie sich bitte an:
Prof. Dr. Stefan Nickel, Institut für Operations Research.