

Lecture series of the Research Institute for Supply Chain Management

<http://www.wu.ac.at/scm/events>

Sommerterm 2013

Talk in cooperation with the Institute for Economic Geography and GIScience

Perishable Product Supply Chains in Healthcare: Models, Analysis and Computations

12. März 2013, 17:00-19:00

Seminar room A 4.07, WU, UZA IV, Nordbergstraße 15, 1090 Vienna



Anna Nagurney

Director of the Virtual Center for Supernetworks
Isenberg School of Management

University of Massachusetts Amherst

Abstract: In this talk Professor Nagurney will describe her recent research on perishable product supply chains ranging from pharmaceutical supply chains with branded products to medical nuclear supply chains and blood supply chains. She will discuss the generalized network frameworks under system-optimization as well as in the case of oligopolistic competition. Waste management and sustainability issues will also be highlighted.

Biography: Nagurney is the John F. Smith Memorial Professor in the Department of Finance and Operations Management in the Isenberg School of Management at the University of Massachusetts at Amherst. She is the Founding Director of the Virtual Center for Supernetworks and the Supernetworks Laboratory for Computation and Visualization at UMass Amherst. Professor Nagurney is also an Affiliated Faculty Member in the Department of Civil and Environmental Engineering and the Department of Mechanical and Industrial Engineering at UMass Amherst. She received her AB, ScB, ScM, and PhD degrees (the latter three in Applied Mathematics) from Brown University in Providence, Rhode Island. She devotes her career to education and research that combines operations research / management science, engineering, and economics. Her focus is the applied and theoretical aspects of network systems, particularly in the areas of transportation and logistics, critical infrastructure, and in economics and finance. Her most recent book, with a publication date of January 2013, is, [Networks Against Time: Supply Chain Analytics for Perishable Products](#), co-authored with M. Yu, A. H. Masoumi, and L. S. Nagurney. She is also the author of the books [Fragile Networks: Identifying Vulnerabilities and Synergies in an Uncertain World](#) (2009, with Q. Qiang) and [Supply Chain Network Economics](#) (2006). She has (co-)authored 8 other books including [Supernetworks: Decision-Making for the Information Age](#), [Financial Networks](#), [Sustainable Transportation Networks](#), and [Network Economics](#), edited the book, [Innovations in Financial and Economic Networks](#), and (co-)authored more than 185 refereed journal articles and book chapters. For a full list of her publications see her [Curriculum Vitae](#). Professor Anna Nagurney has been featured in [Science](#) and was named an [Intellectual Leader in Regional Science](#) according to the number of citations to her published articles. In 2007, she was elected a Fellow of the [Regional Science Association International](#) (RSAI). In 2007, she also received the INFORMS Award for the Advancement of Women in Operations Research / Management Sciences, known as the WORMS award. She was the Chair of the 2011 RSAI Fellow Selection Committee.