**BINGHAMTON** Computer Science
STATE UNIVERSITY OF NEW YORK

**THE DEPARTMENT OF COMPUTER SCIENCE & THE COMPUTER SCIENCE GRADUATE STUDENT ORGANIZATION (GSOCS) PRESENT**

# INVITED SPEAKER SERIES

**Professor Hanan Samet**
**University of Maryland**

**Friday, March 9th at 12 noon, Engineering Building Room 110**

# Reading News with Maps by Exploiting Spatial Synonyms

**Abstract**: NewsStand is an example application of a general framework to enable people to search for information using a map query interface, where the information results from monitoring the output of over 10,000 RSS news sources and is available for retrieval within minutes of publication. The advantage of doing so is that a map, coupled

A o        nt    ò                                        a textual specification of locations rather than a


geometric one, which means that one must deal with the potential for ambiguity. The issues that arise in the design of a system like NewsStand, including the identification of words that correspond to geographic locations, are discussed, and examples are provided of its utility. More details can be found in the video at http://vimeo.com/106352925 which accompanies the ``cover article'' of the October 2014 issue of the Communications of the ACM about NewsStand at http://tinyurl.com/newsstand-cacm

Degree in operations research and the
doctoral dissertation dealt with proving
in translation validation and the relate
"Foundations of Multidimensional and


book-flyer.pdf) published by Morgan-Kaufmann, an imprint of Elsevier, in 2006, an award winner in the 2006 best book in Computer and Information Science competition of the Professional and Scholarly        He is the Founding Editor-In Transactions on Spatial Algorithms and Systems (TSAS), founding chair of ACM SIGSPATIAL, and a Fellow of ACM, IEEE, AAAS, IAPR (International Association of Pattern Recognition), and UCGIS (University Consortium for Geographic Science). He is a recipient of a Science Foundation of Ireland (SFI) Walton Visitor Award at the Centre for Geocomputation at the National University of Ireland at Maynooth (NUIM), 2009 UCGIS Research Award, 2011 ACM Paris Kanellakis Theory and Practice Award, and 2014 IEEE Computer Society Wallace McDowell Award. He has had a number of best paper awards including at the 2008 SIGMOD and SIGSPATIAL conferences. He was elected to the ACM Council as the Capitol Region Representative for the term 1989-1991, and was an ACM Distinguished Speaker.