

DR. JUNAID AHMED ZUBAIRI

Professor and Chair,
Department of Computer
and Information Sciences
*State University of New
York at Fredonia*



SPCEET RESEARCH SEMINAR SERIES

SMART CITY TRAFFIC INCIDENT MANAGEMENT RESEARCH AT SUNY FREDONIA

DATE: WEDNESDAY, JANUARY 29TH
TIME: 11:15 AM - 12:15 AM
LOCATION: Q 109

BIO

Dr. Junaid Zubairi, senior member IEEE, received his BE (Electrical Engineering) from NED University, Pakistan and MS and Ph.D. (Computer Engineering) from Syracuse University, USA. He worked in different institutions before accepting a position in SUNY at Fredonia where currently he is a distinguished professor and department chair of computer science. He has a US patent on Flight Data Tracker. He has done research on VLSI fault testing, network applications and traffic engineering.

ABSTRACT

In this talk, We discuss the research on traffic incident management at SUNY Fredonia. We contacted state DoT's to discover the traffic incident management issues and shortcomings. We have worked on CONRES, a congestion mitigation algorithm to provide guidance to the drivers and improved its efficiency by using hierarchical graphs. We have also worked on emergency vehicle routing on congested streets. Currently we are working on machine learning techniques for congestion prediction.