

STEM: THE FUTURE IS NOW!

2012 SUMMER INSTITUTE

INCREASING STUDENT ACHIEVEMENT THROUGH INTEGRATION

HOSTED BY L.C. SMITH COLLEGE OF ENGINEERING AND COMPUTER SCIENCE



JULY
8-11 | AT SYRACUSE
UNIVERSITY

A THREE-DAY EVENT FEATURING:



- A Keynote Address by Dr. Bharat Soni, Chairperson and Professor of Mechanical Engineering at the University of Alabama at Birmingham
- Breakout workshops that share successful and innovative classroom STEM practices featuring presenters from key STEM supporting organizations
- A tour of the Syracuse Center of Excellence (CoE) – Syracuse CoE is a federation of firms, organizations, and institutions that creates innovations to improve health, productivity, security, and sustainability in built and urban environments
- Vendor presentations
- Networking opportunities

PRESENTED BY:

NYS STEM Education Collaborative – An education collaborative of the Association of Mathematics Teachers of New York State (AMTNYS), New York State Society of Professional Engineers (NYSSPE), New York State Technology and Engineering Educators Association (NYSTEEA), and Science Teachers Association of New York State (STANYS). STEM Education refers to utilizing the NYS MST standards in the teaching and learning of the Science, Technology Education, Engineering and Math (STEM) disciplines in an innovative, integrated, collaborative, and applied fashion to a level of challenge sufficient for college and/or career readiness. (Developed in part from the National STEM Initiative)

L.C. Smith College of Engineering and Computer Science at Syracuse University – Established in 1901, Syracuse University's L.C. Smith College of Engineering and Computer Science (LCS) has a long tradition of preparing leaders and of responsiveness in meeting regional and national needs.



SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

INSTITUTE DETAILS



KEYNOTE ADDRESS

DR. BHARAT SONI

CHAIRPERSON AND PROFESSOR OF MECHANICAL ENGINEERING,
UNIVERSITY OF ALABAMA AT BIRMINGHAM

“ COMPUTATIONAL SIMULATIONS AND HIGHER DIMENSIONAL VISUALIZATION:
INTEGRATING TOMORROW'S TECHNOLOGY
INTO TODAY'S **STEM EDUCATION** ”

Dr. Soni leads the research and development activities at the Engineering School at the University of Alabama at Birmingham. He is focused on the integrated computational simulation, experimental, and theoretical algorithms using information technology to address science, engineering, health and medical problems. Dr. Soni and his group of researchers have well established collaborations with schools of medicine, nursing, and public health with contributions in modeling and simulations, visualization, image processing, virtual reality and related enabling technologies including HPC infrastructure. Dr. Soni has been internationally recognized for his research, educational and professional services and contributions in the area of numerical grid generation and computational fluid dynamics. He has authored more than 170 publications and is a co-editor of the CRC Handbook of Grid Generation, published in 1999.

REGISTRATION INFORMATION

Interested in Presenting?

Presenter proposals due by 1/31/12
www.research.net/s/NYSSTEM2012

Interested in Attending?

Register at www.nysstemeducation.org/2012institute.html

ACCOMMODATIONS

THE CROWNE PLAZA HOTEL SYRACUSE IS THE EVENT PARTNER FOR CONFERENCE HOUSING

- Go to www.cpsyracuse.com to make hotel reservations. Attendees are responsible for their own reservations. Can be made with credit card, check or purchase order (tax exempt forms accepted).
- Room rates \$115/room with two double beds (can be split among multiple occupants, up to four).
- Free transportation to conference venues.
- Free Internet access on SU campus and at Crowne Plaza Hotel.

GREAT NETWORKING OPPORTUNITY FOR TEACHERS

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