

Indo-American Education Summit  
November 8-14, 2009

Southern Illinois University  
Carbondale, IL, USA



Southern Illinois University  
Carbondale, IL, USA  
College of Engineering

- Five Departments
  - Civil & Environmental
  - Electrical & Computer
  - Mechanical Engineering & Energy Processes
  - Mining and Mineral Resources Engineering
  - Technology



Indo-American Education Summit 2009

Southern Illinois University  
Carbondale, IL, USA

- Established 1869
- Number of students in fall 2009 is 20,350
- Total number of employees is 5,483. Total number of assistants (fall 2008): 1,688 graduate assistants and 195 undergraduate assistants. Total number of living alumni 206,299
- Operating budget for FY10 is over \$554 million
- Has an excellent Library (ARL member).



Indo-American Education Summit 2009

Southern Illinois University  
Carbondale, IL, USA

- B.S. Programs in Civil, Computer, Electrical, Mechanical, Mining- all accredited by ABET (accreditation board of engineering and technology)
- B.S. program in Industrial Technology, accredited by ATMAE (Association of technology, management, and applied engineering) and B.S. in Engineering technology (electrical tech. specialization), accredited by ABET



Indo-American Education Summit 2009

Southern Illinois University  
Carbondale, IL, USA

- Academic Colleges/Schools:
  - Agriculture
  - Applied Sciences and Arts
  - Business
  - Education and Human Services
  - Engineering, Graduate School
  - Law, Liberal Arts
  - Mass Communications and Media Arts
  - Medicine
  - Science



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Southern Illinois University  
Carbondale, IL, USA

- M.S./ M.E. programs in Biomedical, Civil, M.S. programs in Electrical & Computer, Mechanical, and Mining Engineering, M.S. in Manufacturing Systems (offered by Technology)
- Ph.D. in Electrical & Computer Engineering
- Ph.D. in Engineering Science (concentrations in Civil, computer, electrical, mechanical, and mining disciplines)



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Southern Illinois University  
Carbondale, IL, USA

- Of 1435 students admitted to a Graduate Program in fall 2009, 806 joined SIUC
- Graduate Enrollment 4051 (female 2153) in '09
- Full time instructional faculty 931
- FTE student to FTE faculty ratio is 16.5 to 1
- Tuition and Fees (entering fall 2009)
  - Undergraduate (30 credit hours) \$7,290 (tuition for non-resident, \$18,225) plus \$3,121 (fees)
  - Graduate (24 credit hours) \$7,872 (tuition for non-resident, \$19,680) plus \$3,105 (fees)



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Southern Illinois University  
Carbondale, IL, USA

- College of Engineering Enrollment- Fall 2009
  - Undergraduate: 897 students (approximately 209 in Civil, 224 in Electrical & Computer, 264 in Mechanical, 34 in Mining, 104 in technology)
  - Graduate: 348 students, with 267 in M.S. (171 students in ECE, 31 in Civil, 37 in Mechanical, 17 in Biomedical (first year of implementation), rest in Manufacturing Systems, 81 in Ph.D. (62 in ECE)



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Southern Illinois University  
Carbondale, IL, USA

College of Engineering – Relevant Characteristics

- Strong international student enrollment in graduate programs - significant number from Asia (India, China, South Korea)
- Research Centers- Center for Advanced Friction Studies, NSF Industry/University Cooperative Center on Embedded systems
- College also participates in Materials Technology research, Environmental Policy and Resources program, Professional Science Masters in Advanced Energy Management
- Research Expenditures: \$2.5- \$3.5 million/year for the past five years

Indo-American Education Summit 2009



Southern Illinois University  
Carbondale, IL, USA

- B.S. Program in Accounting
- B.S. Program in Finance with specializations in  
Financial Institutions, Financial Management, Investments  
– B.S. Program in Business Economics
- B.S. Program in Management with  
specializations in General Management, Entrepreneurship,  
Global E-Business, Supply Chain Management, Personnel  
Management, Management of Health Care Enterprises
- B.S. Program in Marketing
- B.S. Program in Business Administration

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Southern Illinois University  
Carbondale, IL, USA

College of Engineering - Research Interests

- Clean coal technology, gasification, sequestration
- Wireless sensor networks, VLSI test design, embedded controls/systems, power systems, high speed optical converters/storage, device modeling using super computing, software engineering, real-time system analysis
- Ultrasonic navigation, materials technology, friction science, water resources engineering, biofuels, environmental engineering, geotechnical

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Southern Illinois University  
Carbondale, IL, USA

- M.B.A. Program with concentrations in  
General Management, Finance, Marketing,  
Management of Change, and Management of  
Information Systems
- M.Acc. Program
- Online Masters Programs – M.B.A. & M.Acc.
- Ph.D. in Business Administration in  
Accounting, Finance, Management and Marketing

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Southern Illinois University  
Carbondale, IL, USA

- Collaboration with Indian Universities
- M.S. programs in Engineering disciplines
- Joint M.S. programs
- Research Collaboration
- Student Recruitment

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Southern Illinois University  
Carbondale, IL, USA

- College of Business Enrollment- Fall 2009  
(approximate numbers)
  - Undergraduate: 1470 students
  - Graduate: 250 students, with 125 in the  
M.B.A. program, 55 in the M.Acc. program,  
and 70 in the Ph.D. program.

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Southern Illinois University  
Carbondale, IL, USA

- College of Business
  - AACSB International Accredited
- Four Departments/School
  - School of Accountancy
  - Finance
  - Management
  - Marketing

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Southern Illinois University  
Carbondale, IL, USA

College of Business – Relevant Characteristics

- Significant number of international students enrolled in CoB graduate programs – major countries represented (India, China, France, Taiwan)
- Active and popular Study Abroad programs (Grenoble, France; Chile, Taiwan etc)
- Advanced Technology Infrastructure – classrooms, course delivery, cutting-edge research
- Comprehensive Student Support Services – Advisement, Career Placement, Academic tutoring, Mentoring, Internships/Externships, Counseling, and so on.

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Southern Illinois University  
Carbondale, IL, USA

- College of Business Research Centers
  - Pontikes Center for Management of Information
    - Endowed center with a focus on research
  - Center for Innovation
    - Hub for a variety of innovation related activities and initiatives
- College of Business Research Interests
  - Cover the broad spectrum of accounting, finance, management, and marketing domains
  - Number of key Journal editorial involvement
  - Active doctoral program with significant professional involvement

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Southern Illinois University  
Carbondale, IL, USA

- Collaboration with Indian Universities
  - Research Collaborations
  - Exchange Opportunities
  - Study Abroad Programs
  - Joint Master's Programs
- Student Recruitment
  - Graduate Students – M.B.A., M.Acc., Ph.D.
  - Undergraduate Students – B.S.

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## Ramanarayanan “Vish” Viswanathan Address and Short Bio

Dr. Ramanarayanan (‘Vish’) Viswanathan obtained his B.E. degree in Electronics and Communication from University of Madras, India in 1975, M.E. degree in Electrical Communication from Indian Institute of Science, Bangalore, India in 1977, and Ph.D. degree in Electrical Engineering from Southern Methodist University, Dallas, TX in 1983.



Since 1983 he has been with Southern Illinois University Carbondale, where he is a Professor of Electrical & Computer Engineering. He spent the 1998-99 academic year as a Professor in the Division of Engineering, University of Texas at San Antonio. He received Outstanding Teacher in the Department of Electrical & Computer Engineering award in 2007 and Dean Juh Wah Chen Outstanding College Faculty award in 2008. He served as the president of the Faculty Senate at Southern Illinois University Carbondale in 2007. He assumed the current position of Interim Dean of the College of Engineering in January 2008.

Dr. Viswanathan was involved in several digital communications projects while working as a deputy engineer at Bharat Electronics Limited, Bangalore, India from 1977 through 1980. He teaches courses related to communications and signal processing. His current interests are in wireless sensor networks, detection and estimation theory, and MAC in wireless networks. He has made significant research contributions in the areas of signal detection and wireless communications over the past twenty five years. He is a **Fellow of IEEE**.

**Ramanarayanan "Vish" Viswanathan, Ph.D., P.E., Fellow, IEEE**  
Interim Dean and Professor  
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### **Suresh K. Tadisina Address and Short Bio**



Suresh Tadisina is Professor and Associate Dean of the College of Business at Southern Illinois University Carbondale. Suresh holds a B.E. (Mech.) and a M.B.A. from Osmania University, and a M.B.A. and Ph.D. from the University of Cincinnati. He worked with the State Bank of India as an in-house consultant before pursuing his doctoral studies. He has many years of teaching experience in a variety of settings and countries and was recognized as COBA's **Outstanding Graduate Teacher of the Year 2003**. He has been actively involved with doctoral programming having served on over thirty dissertations with about a dozen or so as Chair. His article coauthored with his mentee Changsoo Sohn, won the **Kanji Prize for Best 2008**

**Article** in *TQMBE*. His current interests include: service operations, supply chain management, IS agility, decision support/expert systems, and management of technology. His publications have appeared in journals such as *Annals of Operations Research*, *Computers and Operations Research*, *Decision Support Systems*, *European Journal of Operations Research*, *IIE Transactions*, *Information and Management*, *Interfaces*, *Journal of the Operational Research Society*, *Journal of Computer Information Systems*, *OMEGA*, *Project Management Journal*, *Total Quality Management and Business Excellence*, among others.