Welcome to the 21st Century IIT.
• Founded “to help young people help themselves”
• Grants Bachelor’s, Master’s, J.D., Ph.D.
• Member, Association of Independent Technology Universities
• Accredited by NCA, ABET, ABA, APA, AACSB

Real world rigor since 1890
Mission

To advance knowledge through research and scholarship,
to cultivate invention improving the human condition,
and
to educate students from throughout the world for a life of professional achievement, service to society, and individual fulfillment.
Path-breaking Intellectual Tradition

- Grote Reber
  Radio Telescope
- Laszlo Moholy-Nagy
  *The New Bauhaus*
- Ludwig Mies van der Rohe
  *Chicago School Architecture*
- Marvin Camras
  National Medal of Technology
  Magnetic Recording
- S.I. Hayakawa
  Semanticist
- Max Jakob
  Thermo Dynamics & Heat Transfer
Intellectual Leadership
Nobel Laureates

Herbert Simon
*Nobel Prize in Economics*

Jack Steinberger
*Nobel Prize in Physics*

Leon Lederman
*Nobel Prize in Physics*
Colleges and Schools

- Engineering
- Business
- Science & Letters
- Law (G)
- Architecture
- Psychology
- Design (G)
- Center for Professional Development
University Technology Park on Campus

- Tech business incubator
- Faculty/student enterprises and others
- Laboratory and office space
- Nationally renowned contract research organization (IITRI)
Computer Science Department: Faculty

- 16 tenure Track faculty
- 10 full time instructors
- 2 opening
- 600 students
- 400 graduate students

10/9/2011
Key Areas of Research

- **Distributed System, Cloud, High-end Computing**
  Zhiling Lan, Ioan Raicu, Shangping Ren, Xian-He Sun

- **Information Retrieval. Data Mining, AI, Graphic**
  Gady Agam, Shlomo Argamon, Mustafa Bilgic, David Grossman

- **Network, Sensor, and Social Network**
  Edward Chlebus, Cynthia Hood, Xiangyang Li, Dennis Roberson, Peng-Jun Wan

- **Theory and Algorithm**
  Gruia Calinescu, Sanjiv Kapoor, Xiangyang Li, Edward Reingold, Peng-Jun Wan

- **Software Engineering and Language**
  Bogdan Korel, Francis Leung, Shangping Ren
Chair: Xian-He Sun
Associate Chairs: Cynthia Hood, Bogdan Korel
Coordinator: Ann McBroom
Associate: Dawn DeBartolo
Graduate Coordinator: Vida Winner
Director for Undergraduate Administration: Matthew Bauer

Administration
Path-breaking Intellectual Tradition

Marvin Camras
National Medal of Technology
Magnetic Recording

Father of Cell Phone
Martin Cooper

Andrea Berry
Senior VP, Fox Networks
CS 84

Jack Dongarra
Member NAE
CS73

Victor Tsao
Founder: Linksys
CS80

Sairam Rangachari
CIO, optionsXpress
CS02

Abdur Chowdhury
Chief Scientist, CS01

Innovation

Illinois Institute of Technology
CS Advisory Board

John Dahms, Director, Lockheed Martin

Kim Hammonds, CIO, Boeing

Ira (Gus) Hunt, CTO, Central Intelligence Agency

Roger Liew, CTO, Orbitz

Peter A. Magrini, CTO, EVP, Northern Trust

Tim Stojka, CEO/ founder, Agentis Energy
Herbert Simon (1916-2001)

- Received ACM Turing Award (1975);
- Nobel Memorial Prize in Economics (1978)
- National Medal of Science (1986)
- APA's Award for Outstanding Lifetime Contributions to Psychology (1993)

Started career at IIT as a psychologist (1942-49)

- Funder of the CS department of CMU
- Funder of the CS department of IIT
New Degree Programs

New Professional Master Specialization

- Finance specialization
- Computational Intelligence specialization
- Cyber-Physical Systems specialization
- Data Analytics specialization
- Distributed and Cloud Computing specialization
- Education specialization
- Information Security and Assurance specialization

In addition to existing specializations: Information Systems specialization, Software Engineering specialization, Computer Networking & Telecommunications specialization, Business specialization
Build a glory future based on the noble past

Program (Oct. 26, 2011, MTCC):
http://www.iit.edu/csl/cs/seminars/cs2050_invitation.shtml

Focus

- Big data, big deal, big opportunities

Meet CS board, alumni & community leaders

Celebrate the fortieth anniversary of CS