

# Opportunities in Global Engagement *(International Institute)*

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# Global Engagement

- Why?
- What?
- How?



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## Globalization on a lighter note

- Question: What is the truest definition of Globalization?

Answer: Princess Diana's death.

- Question: How come?

Answer: An English princess with an Egyptian boyfriend crashes in a French tunnel, driving a German car with a Dutch engine, driven by a Belgian who was drunk on Scottish whisky, (check the bottle before you change the spelling) followed closely by Italian Paparazzi, on Japanese motorcycles; treated by an American doctor, using Brazilian medicines. This is sent to you by an American, using Bill Gates' technology, and you're probably reading this on your computer, that uses Taiwanese chips, and a Korean monitor, programmed by Indians, assembled by Bangladeshi workers in a Singapore plant, transported by Malaysian lorry-drivers, hijacked by Fiji'ans, unloaded by gangster longshoremen, and trucked to you by undocumented migrant workers.....

That, my friends, is Globalization!!

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## More seriously..

### *The fundamental tenet of scholarship – dissemination of knowledge..*

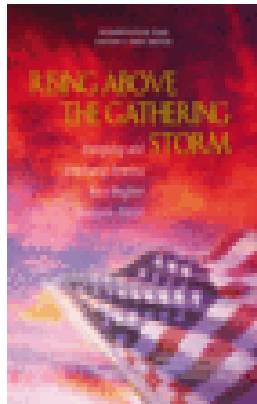


Over the millennia, while the human community has spread to the far corners of the world, what has connected us is our imagination. Whether it is our understandings of the universe, the ways we relate to the nature that surrounds us, or the creative inspirations that transform our existence, ideas have never been confined by geography. Like small rivulets flowing from different parts of the world, ideas have interacted, clashed and fused to create global human knowledge.

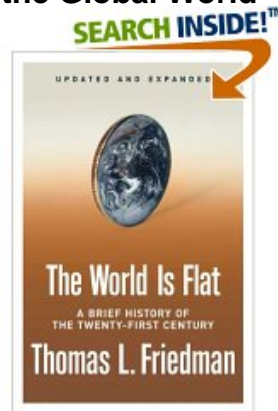
*From: How was zero discovered?  
Nils-Bertil Wallin*

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### Expanding NU/McC Borders in the Global World



*Rising Above The Gathering Storm:  
Energizing and Employing America for a  
Brighter Economic Future*



*The World is Flat  
A Brief History of the 21<sup>st</sup> Century*  
*Tom Friedman*

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**World Economies in 2050**  
Goldman Sachs  
Report, 2003

## Global Outreach

- **Globalized and interconnected world:**
  - *Seamless communication and transfer*
  - *Need for multicultural and diverse exposure in education/research*
- **Expected growth in “BRICs” and emerging economies:**
  - *Increased investment in education and research*
- **Synergistic opportunities for research and education:**
  - *Coupling core competencies and complementary capabilities*
- **Enhanced and new funding opportunities:**

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## NSF OISE Web Page RFPs (February 2007)

- Developing Global Scientists and Engineers
- East Asia and Pacific Summer Institutes for U.S. Graduate Students
- International Research and Education: Planning Visits and Workshops
- International Research Fellowship Program
- Pan-American Advanced Studies Institutes Program
- Partnerships for International Research and Education
- Cooperative Activities in Chemistry between U.S. and German Investigators
- Domestic Nuclear Detection Office/National Science Foundation Academic Research Initiative
- Explosives and Related Threats: Frontiers in Prediction and Detection
- International Materials Institutes
- International Polar Year, 2007

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## Broader NU Context and Relevance

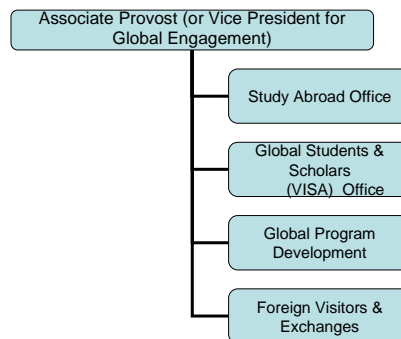
- **Provost Task Force:**  
Global Engagement Committee (GEC)
  - In the 21st century a university will be judged by how well it competes for the very top tier of prospective undergraduate students, graduate students, and faculty in the global marketplace. To enhance its reputation as a world-class institution Northwestern needs to establish a distinct global identity. This identity should build on our strengths, especially in interdisciplinary research and education, as well as bring more of the world to our campuses.\*

\* *Newsweek* (August 2006)  
ranked NU the 35th most  
global university

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## GEC: *Goals and Recommendations*

- **Goal #1:** Create a world-class institution that is recognized for its excellence in research and teaching and which projects that excellence through innovative programming in a global context
- **Goal #2:** Build a physical and virtual institutional presence in a global context
- **Goal #3:** Provide our students with broader opportunities to engage in global issues and cultures



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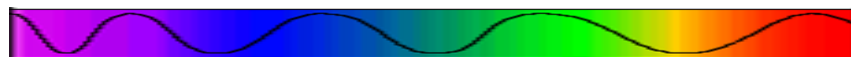
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# What?

## *McCormick Spectrum of possibilities*

Individual/Group  
Initiatives

Overseas campus



**Bottom-Up**

**Top-Down**

McCormick Strategy



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## McCormick Approach for Global Engagement

- Identify, encourage and support seed and “grass-root” initiatives:
- Harness ongoing interactions, research centers and research groups:
  - e.g. Gates foundation program, MRC, IIN...
- “Directed-Assembly” of thematic opportunities in McC excellence

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## Global Engagement

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## How?

- **Inventory of current/ongoing international programs**
  - *Benchmarking of current activities*
  
- **Create working groups with “*regional expertise*”**
  - *ID McC faculty with strong interest, expertise and commitment to specific regional outreach – coupled with McC strengths and visibility*
  
- **Strong communication and ties with other NU units:**
  - *e.g., International program development (Grynspar), Graduate School (Wachtel), Kellogg...*

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## Some examples: *work in progress*

- **Singapore – Nanyang Technological University (NTU)**
  - Postdocs and graduate students jointly supervised by McC/NTU faculty
  - Full personnel funding support from NTU
  - Interactive workshops and exchange visits
  - Additional programs with NU Nanotech Institute
  
- **India - IIT Bombay**
  - UG exchange program (Prof. Ajit Tamhane)
  - Graduate student and faculty visits: Leveraged through NSF programs
  
- **Yonsei U. – McC MSE Dept.: “Korea Brain 21”**
  
- **IISc Bangalore, India – planning stage**
  
- **More to come..**

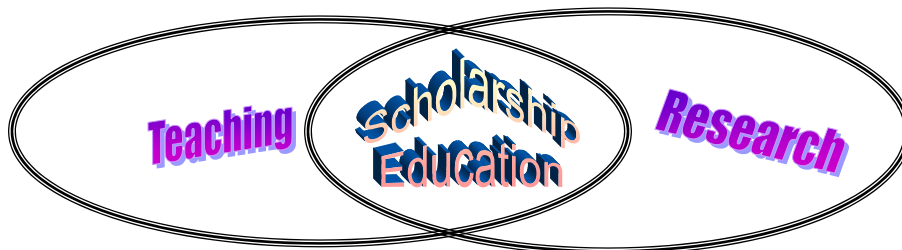
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## Take Home Message

- **Global engagement is here, and here to stay:**
  - @ funding agencies, peer institutions, and even at NU
  
- **McCormick Approach:**
  - Identify, encourage and support grass-root interactions
  - Develop thematic and interactive groups led by “*regional champions*”
  - Coordination with NU-wide efforts
  
- **Need faculty input/suggestions, ongoing dialogue and “*regional volunteers*”**

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- \* UG Study abroad
- \* Graduate Internships
- \* Short Courses
- \* Mini Teaching Sabbaticals
- \* Web-Based Learning and Course development

- \* Graduate Internships
- \* Faculty Exchanges: weeks-months
- \* Research Collaborations/
- \* Joint Funding
- \* Short/Targeted Courses
- \* Mini Research Sabbaticals

**Sustainability through leveraged funding mechanisms**

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