Gary Gereffi
Professor of Sociology and Director of the Center on Globalization, Governance & Competitiveness
North Carolina in the Global Economy

A new look at global competition, local jobs, and the role of research universities
Recent Projects & Events

Building Business Ties Between North Carolina and Baja California, Mexico
Learn more about a proposed trip to Tijuana in October 2006, sponsored by Duke and UNC.

U.S. Engineering Education Reports
Duke ugrads compare engineering education reforms at top U.S. engineering schools.

VIU Global Value Chains Training
A joint research and training program, linking VIU’s work on Italian industrial districts and the CGGC’s work on global value chains.

Mexico and China Compared: The Textile and Apparel Value Chain
First Forum on “Opportunities in the Economic and Trade Relationship Between China and Mexico in a Latin American Context”.

COMPLETE PROJECT PORTFOLIO >>

Upcoming Events
~ NCACPA Small Business Forum
June 22, 2006 | more

~ SASE 2006: Constituting Globalisation: Actors, Arenas and Outcomes
June 30 - July 2, 2006 | more

COMPLETE NEWS & EVENTS >>

The Center on Globalization, Governance & Competitiveness (CGGC) at Duke is dedicated to carrying out innovative and interdisciplinary research that has an impact on corporations, social institutions, and public policy. CGGC is currently working on numerous collaborative projects. We encourage you to explore the various jobs, industries, countries, and research that are an integral part of the Center’s work.

View video introduction to CGGC by Director Gary Gereffi
Keeping Research and Leadership at Home

Nine leaders offer their opinions on what the U.S. should do to hold onto its braintrust and stay on the cutting edge of innovation

by Vivek Wadhwa

Globalization is reality. U.S. businesses see tremendous opportunities abroad and will increasingly locate their operations closer to growth markets. They will also outsource engineering jobs to reduce costs and move their research functions closer to their offshore development sites. It is not clear what the long-term impact of this trend will be, but what is clear is that at stake is the U.S. standard of living and world economic leadership.

In a previous column, I wrote about globalization research that my students and I had completed at Duke University (see BusinessWeek.com, 11/7/06, “The Real Problem with Outsourcing”).

Our research showed corporations saw great advantages in offshoring. They saved money on salaries and overhead, were able to create 24/7 development cycles, and gained access to new markets and customers. They weren’t going abroad because of a shortage of engineers in the U.S. or deficiencies in the U.S. workforce, they were simply doing what gave them an economic and competitive advantage.
Figure 1: The Production of Engineering and Technology Bachelors Degrees in the United States, China and India
Figure 2: US, India and China: Engineering, Computer Science and Information Technology Masters and Ph.D. Degrees Awarded
MNC R&D Centers in China & India: How are engineers being used?

- What kinds of work are Chinese, Indian, and American engineers actually doing?
  - Answer: Not just product adaptation, but cutting-edge research & commercialization

- China: More than 700 MNC R&D Centers
  - GE’s China Technology Center: Advanced research in energy storage, environmental management
  - Microsoft Research Asia: Cutting-edge graphics & multimedia research

- India: More than 150 of Fortune 500 firms have R&D centers
  - Oracle’s India Development Centre: Globally-oriented research on database and application development tools
American Universities: How are engineers being educated?

• U.S. Engineering Education Project (MMS 190.04, Spring 2006)

• Student teams examined a range of U.S. colleges/universities to study how American engineering education was addressing the new challenges of globalization

• Schools compared:
  – U. of Pennsylvania and Cornell University
  – Princeton and U. of Illinois at Urbana-Champaign
  – UC-Berkeley and Stanford
  – Georgia Tech and Virginia Tech
  – U. of Michigan-Dearborn and Milwaukee School of Engineering
  – Cooper Union, Harvey Mudd College, and Rose-Hulman Institute
  – N.C. State and North Carolina School of Science & Mathematics

Source: [http://www.cggc.duke.edu/projects/outsourcing/outsourcing_papers.html](http://www.cggc.duke.edu/projects/outsourcing/outsourcing_papers.html)
America’s New Immigrant Entrepreneurs

Student Research Team:
Ramakrishnan Balasubramanian,
Pradeep Kamsani, Nishanth Lingamneni, Chris Morecroft,
Niyanthi Reddy, George Robinson,
Batul Tambawalla, Mark Weaver,
Zhengyu Yang

Vivek Wadhwa, Executive in Residence
Pratt School of Engineering, Master of Engineering Management Program
Duke University

AnnaLee Saxenian, Dean and Professor
School of Information
University of California, Berkley

Ben Rissing, Research Scholar and Project Manager
Pratt School of Engineering, Master of Engineering Management Program
Duke University

Gary Gereffi, Director and Professor
Center on Globalization, Governance & Competitiveness, Sociology Department
Duke University

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Statistical Consulting Center
North Carolina, with its unique mix of industries, from information technology, biotech, and banking, to the traditional sectors of textiles & apparel, furniture, tobacco, and hog farming, is a microcosm of trends observed elsewhere in the United States. This website presents and analyzes up-to-date information about how industrial restructuring in an era of globalization is impacting North Carolina's key industries.

View video introduction by Prof. Gary Geretti

Recent News

- Gov. Easley Announces 264 Jobs In Asheville
- FDA gives green light to Merck cervical cancer drug
- More headlines...

Research Papers

Inter-Industry Trends
Italy vs. China: The Hope of Design?

• Italy versus China (Manzano versus Anji)

• Italy is seeking new ways to build advantage, including utilizing a traditional strength: design.
  
  – Venice is seeking to marry manufacturing and design, bringing together Italian artists, businessmen, and furniture makers in an effort to help rethink the role of design.
  
  – Design is a higher link in the value chain than manufacturing – thus bringing higher value-added…..