

**NEW FACULTY AND PROGRAM HIGHLIGHTS
FOR THE COLLEGES
February 3, 2005**

COLLEGE OF ARTS AND SCIENCES

Programs/Curriculum

- Applied Life Science Program
 - o Developed using a \$400K grant from the Keck Foundation
 - o Explores the impact of science on public policy, economics, health care, commerce and law
- Design Arts Program:
 - o 2020 funding was leveraged to establish this program & new facilities (new metal working shop and improved wood working shop)
 - o New director (Anna Chupa) is enhancing the program through her strong leadership in developing collaborations between departments and across colleges
- Environmental Initiative
 - o New director (Dork Sahagian) hired
 - o Integrates science, technology, and social sciences
- Global Citizenship:
 - o Interdisciplinary program between the colleges
 - o Professor Hannah Stewart-Gambino (Political Science) appointed first director
 - o First cohort of students returned from winter-term travel to Chile and Hong Kong

Professional Honors

- Huai-Dong Cao, A. Everett Pitcher Professor of Mathematics (2003)
 - o Appointed a Fellow of the John Simon Guggenheim Memorial Foundation
 - o World-leading expert in Ricci flow
- M. Kathryn Iovine, Biological Sciences (2002)
 - o Recipient of an NIH Early Career Development Award (Recognizes prominence and distinction in scholarly potential)
- Janet Laible, Political Science (2001)
 - o Recipient of the 2003 Samuel H. Beer Prize for Best Dissertation in British Politics by the American Political Science Association

Research/Scholarly Work

- Beth Dolan, English (2001)
 - o Recently signed a contract for her book entitled *Seeing Suffering in Romantic Era Literature*, which combines her interest of medical and literary studies
- Janice Bially Mattern, International Relations (2003)
 - o Representative for Lehigh at the United Nations as part of the University's recent designation as an UN Non-Governmental Organization (NGO)
 - o Published book: *Ordering International Politics: Identity, Crisis, and Representational Force*

- Gordon Moskowitz, Psychology (2001)
 - o Published edited book - *Cognitive Social Psychology: The Princeton Symposium on the Legacy and Future of Social Cognition*
 - o Published textbook – *Social Cognition: Understanding Self and Others*
- Edurne Portela, Modern Languages and Literature (2003)
 - o Active in cross-disciplinary ventures: Martindale Scholars Program, Global Citizenship
 - o Planning a seminar in Latin American Human Rights with an in-country study trip to Honduras (dovetailing with projects by colleagues in Civil Engineering and Sociology and Anthropology).
- Joan Ramage, Earth and Environmental Sciences (2004)
 - o Receives major funding from NASA
 - o Uses techniques in remote sensing to examine snow and ice fluctuations at high elevations and latitudes
- Snapshot of CAS Scholarship in 2003-2004
 - o 11 books published
 - o 100+ articles and book chapters
 - o 160+ conference presentations/invited lectures
 - o 24 theatre and music performances
 - o 237 funded proposals
 - o \$8.4 million in research expenditures

COLLEGE OF BUSINESS AND ECONOMICS

Programs/Curriculum/Research

- Managing Value Networks:
 - o New faculty have conducted sponsored research for the Center for Value Chain Research (RCEAS & CBE)
 - o Research from new faculty in marketing, business information systems, and supply chain management has focused on such areas as: E-commerce, Virtual Communities, New Product Innovation, and Outsourcing Activities
 - o Project Management Certificate - Online Program with COE
 - o Online Undergraduate Course on Principles of Marketing and MBA Course on Business-to-Business Marketing
- Financial Services:
 - o Center for Financial Services Studies
 - o MS in Analytical Finance (interdisciplinary involving: ISE, Math, Finance, Economics)
 - o Financial Services Laboratory
 - o Research from new faculty in accounting, finance, and economics has focused on such areas as: Real Options, Business Restructuring, Information Content of Performance Measures, and Business Cycles
- Health and Biopharmaceutical Economics:
 - o MS in Health and Bio-Pharmaceutical Economics
 - o Research from new faculty in economics and marketing hired for this initiative has focused on such areas as: Value of Pharmaceutical Marketing, Health and Retirement Behavior of Older Americans, Obesity, National Insurance for Children, and Bio-Informatics

COLLEGE OF EDUCATION

Programs/Curriculum

- Learning Sciences and Technology Doctorate:
 - o Six faculty participated in the design and development of a new Ph.D. program
 - o Degree program is multidisciplinary in nature and for business and industry as well as education

- Clipper II:
 - o Five Lehigh online courses designed for H.S. seniors admitted to the University
 - o Helping to shape Lehigh's "First-Year Experience" initiative

- International Program:
 - o Expanded into Kuwait and Saudi Arabia
 - o Master's in Global Leadership now available at the Hong Kong Academy
 - o New Master's degree in International Counseling (taught in South America)

Professional Honors

- Four faculty are the recipients of "Young Scholar Awards" for early career achievements
 - o Bestowed by four national associations: American Council for Educational Technology, Association for Educational Communications and Technology, Society for the Study of School Psychology, American Educational Research Association
 - o Two Frank Hook Professorships received

Research/Scholarly Work

- The newest faculty hires:
 - o Published 56 refereed articles;
 - o Presented 136 papers at national/international scientific conferences;
 - o Submitted 26 grants to support externally funded research;
 - o Chaired or organized 15 conference plenary sessions;
 - o Are editorial board members and/or reviewers for 16 different journals;
 - o Secured \$3.25 million in research funding;
 - o Receive funding from: US Dept of Education, NSF, The Andrew Mellon Foundation, and De Witt Wallace Foundation.

P.C. ROSSIN COLLEGE OF ENGINEERING AND APPLIED SCIENCE

Programs/Curriculum

- Center for Optical Technology
 - o Research focus: Optical Networking Technology and Sensor and Display Technology
 - o Educational Partners: Penn State, Ben Franklin Technology Partners, Northampton Community College, Lehigh Carbon Community College
 - o Industrial Partners: Infinera, Corning, T-Networks, TriQuint, HDP, GlucoLight, Asip
 - o 32 Lehigh faculty participants (8 new faculty) representing 3 colleges
 - o State and Federal funding - matched by Lehigh

- Bioengineering – Strong Cross College and Interdisciplinary Ties
 - o Attracts high quality students
 - o Involves integrated, experiential learning

- Tracks: Biopharmaceutical Engineering, Bioelectronics/photronics, Cell and Tissue Engineering
- Funded through major NSF Grant (\$1.38 million): A new assistant professor serves as Co-PI
- All 8 eight faculty involved are new to Lehigh (since 2001)

Professional Honors

- Lindback Foundation Minority Junior Faculty Award
- ACM (Association for Computing Machinery) Fellow
- IEEE (Institute of Electrical and Electronics Engineers) Fellow
- ASME (American Society of Mechanical Engineers) Orr Best Paper Award
- DuPont Chair
- Frank Hook Professorship
- Best Doctoral Dissertation Award
- IAPR (International Associate for Pattern Recognition) Fellow
- ICDAR (International Conference Document Analysis and Recognition) Outstanding Contribution Award
- DAS (Document Analysis Systems) Special Appreciation Award
- INFORMS (Institute for Operations Research and the Management Sciences) Junior Faculty Paper Competition (2nd Place)

Research/Scholarly Work

- The newest faculty hires (2001 - 2004):
 - Designed and developed 32 courses;
 - Published 135 refereed journal publications;
 - Published 5 books, 62 book chapters;
 - Have 221 refereed or reviewed conference papers;
 - Delivered 373 professional conference or seminar presentations;
 - Organized or chaired 85 professional conferences;
 - 12 are journal editors or members of editorial boards
 - Have secured competitive research grants totaling approximately \$4.1 million;
 - Receive funding from: NSF (NEES, ITR), DARPA, NIH, NRL, PITA, PDG;
 - 9 have received NSF- Career Grants;
 - 64% have received major research funding (\$40K and above).