# 2006-2059: PREPARING ENGINEERS FOR GLOBAL PRACTICE: A COMPARISON OF NORTH AMERICAN, ASIAN, EUROPEAN, AND LATIN AMERICAN APPROACHES

# Carlos Narváez, Tecnológico de Monterrey, Campus Monterrey

Carlos Narváez Castellanos is Provost and Professor of Automation and Process Control, Fluid Mechanics, and Chemical Engineering at the Instituto Tecnólogico de Estudios Superiores de Monterrey, Campus Monterrey, Monterrey, Mexico

#### Howard A. Rollins, Georgia Institute of Technology

Howard A. Rollins, Jr. is Associate Vice Provost for International Education and Professor of Psychology at Georgia Institute of Technology, Atlanta, Georgia, USA.

#### Jack Lohmann, Georgia Institute of Technology

Jack R. Lohmann is Vice Provost for Institutional Development and Professor of Industrial and Systems Engineering at Georgia Institute of Technology, Atlanta, Georgia, USA.

### Meng Hwa Er, Nanyang Technological University

Er Meng Hwa is Deputy President and Professor of Electrical and Electronic Engineering at Nanyang Technological University, Singapore.

## Peter Wagstaff, Université de Technologie de Compiègne

Peter J. Wagstaff is Director of International Relations at the Université de Technologie de Compiègne, Compiègne, France.

# Preparing Engineers for Global Practice: A Comparison of North American, Asian, European, and Latin American Approaches

Engineers practice their profession on a global scale. Thus, many engineering schools worldwide have developed programs of study to better prepare their graduates for global practice. The programs often reflect significantly different approaches that are driven by important national, regional, or local factors in the pre-college preparation of their students, the expectations for employment after graduation, or the general education requirements of the university or higher education system. This session presents four approaches to preparing engineering students for global practice from four corners of the world. A panel discussion follows the presentations comparing the commonalities and differences among the four approaches with the goal of developing a better transnational understanding of preparing engineering students for global practice.

#### **Session Moderator:**

Dr. Jack R. Lohmann Vice Provost for Institutional Development and Professor of Industrial and Systems Engineering Georgia Institute of Technology USA

#### **Speakers:**

Dr. Meng Hwa Er Deputy President and Professor of Electrical and Electronic Engineering Nanyang Technological University Singapore

Dr. Carlos Narváez

Provost and

Professor of Automation and Process Control, Fluid Mechanics, and Chemical Engineering Instituto Tecnólogico de Estudios Superiores de Monterrey, Campus Monterrey Mexico

Dr. Howard A. Rollins, Jr.
Associate Vice Provost for International Education and
Professor of Psychology
Georgia Institute of Technology
USA

Dr. Peter Wagstaff Director of International Relations Université de Technologie de Compiègne France