

Meeting the Growing Demand for Engineers and their Educators 2010 – 2020

International Conference, Munich, Germany, 9 – 11 November, 2007

FIRST CALL FOR PAPERS

The conference will bring together decision makers from industry, government, the pre-university education system, and academia to discuss and plan the preparation of future engineers and the people who educate them.

Discussion:

Over the next decade, most Western countries will face acute shortages of newly qualified engineers. At the same time we project a scarcity of teachers of mathematics, technology and science in the pre-university school systems that are preparing students for the academic study of engineering. The combination of these difficulties casts a shadow on the ability of industry to create new products and sustain the current rate of research and innovation.

Objectives:

- Analyze and understand the dimensions of the problem: shortages of engineers and technical educators worldwide
- Review successful programs that are designed to address the problem
- Develop a road map for purposeful future action

Strategy:

The conference will seek ways to create and expand collaborative efforts between the stakeholders, improve communication, and encourage joint projects. One of the important outcomes of such collaborations is expected to be a reversal of the declining trends of the teacher ranks in science, technology and mathematics. As result, recommendations for major constituents (school systems, ministries of education, industry leaders, university departments of engineering and professional societies), will be published as a 'call for action'.

Agenda:

- Invited speakers and authors assess the current situation, and identify best practices
- Paper and poster sessions, expert panels, and breakout sessions
- Data driven presentations, using examples from employment markets and educational systems

Location: ArabellaSheraton Grand Hotel, Arabellastrasse 6, Munich (Germany)

Total Attendance: Limited to about 100 to guarantee a maximum of interaction

Call for papers, posters, and panel discussions: Authors and panel session organizers are invited to send a **500-word synopsis** of each paper / proposal electronically to the Technical Program Committee: www.ieee.org/go/demandsummit/abstracts.html, by **30 June 2007**. Authors will be notified of acceptance or nonacceptance by 30 July 2007.

For more information about conference program, registration, hotel arrangements or paper submission, please visit the conference web site: www.ieee.org/go/demandsummit