

Proceedings
Teaching Entrepreneurship to Engineering
Students

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Foreword

The Editors
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In today's world it is increasingly important for engineering educators to find ways to teach entrepreneurship skills to engineering students. Engineering faculty have done well teaching engineering science and design to students and they have begun to address other skills such as teamwork, ethics and communication.

The U.S. economy relies on innovations and the development of new products and technologies. Economic growth is fueled by firms that exploit these new developments. However, many engineering schools know little about teaching entrepreneurship and faculty often lack the necessary business skills. Faculty can be hesitant to begin new programs because of concerns about accreditation, departmental tenure and the promotion process. Thus, a conference entitled "Teaching Entrepreneurship to Engineering Students" is timely.

The session topics included the following:

- 1. What are attributes of successful entrepreneurs?**
- 2. What are models of successful programs teaching entrepreneurship to engineers?**
- 3. What is the culture at a university that fosters a spirit of innovation and entrepreneurship?**
- 4. What partnerships are needed to create an environment for student and faculty innovation?**
- 5. How can engineering faculty become role models of innovation and entrepreneurship?**

The conference was held in Monterey, California during the period January 12 to 16, 2003. It is one of the series sponsored by the Engineering Conferences International, Inc., the successor program to the United Engineering Foundation Conferences. The conference was co-sponsored by American Society for Engineering Education and National Collegiate Inventors and Innovators Alliance. Participants included successful entrepreneurs and representatives of engineering and business faculties from the United States, Canada, Australia, and Israel.

The chairs are grateful for the assistance and guidance of an Organizing Committee composed of:

**Phil Weilerstein, National Collegiate Inventors and Innovators Alliance
Frank Hubbard, American Society for Engineering Education
Joel Moses, Massachusetts Institute of Technology
Howard Flagg, Pair Gail
Tina Seelig, Stanford Technology Ventures.**

The conference's success was greatly aided by the logistical support provided by Ms. Daria Sapienza, The Cooper Union, Ms. Jewell Johnson and Miss Lorissa Hatcher, Center for Materials Processing, The University of Tennessee. Ms. Barbara K. Hickernell and Mr. Kevin Korpics of the Engineering Conferences International provided support and guidance. Dr. Herman Bieber served as technical liaison with

ECI during the planning and as the on-site representative. Ms. Antoinette L. Chartier, ECI Western Liaison Officer, provided the on-site services and interface with the hotel management.

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