



ASME International

12th

YOUNG ENGINEERS FORUM

A FORUM INTENDED FOR THE ENGINEER WITH 0-10 YEARS EXPERIENCE

Thursday, July 17, 1997

at the

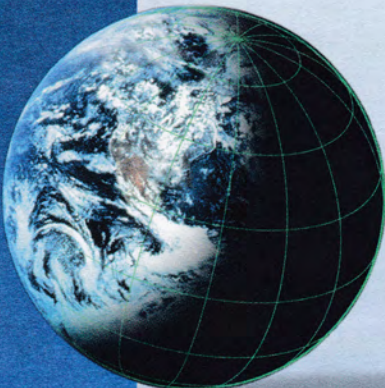
**Tokyo Metropolitan Institute of Technology Research Center
Tokyo, Japan**

- Take a global look at the mechanical engineering profession in the 21st century
- Learn how to prepare for future trends affecting the international engineering community
- Hear accounts of real-life experiences and success stories
- Get practical real-world advice about your career
- Come away inspired and more aware of resources available to you!

To learn more about the YEF Program

Visit the ASME Web Site

<http://www.asme.org>



INTRODUCTION

The American Society of Mechanical Engineers (ASME International) Japan Chapter is pleased to present the 12th Young Engineers Forum (YEF) on Thursday, July 17, 1997 at the Tokyo Metropolitan Institute of Technology in Tokyo, Japan.

The award-winning YEF program was started in 1992 by ASME to provide young engineers with first-hand advice and information on education, career advancement, as well as a place to make contacts with peers. The YEF presentations are made by engineers who speak from "real life" experiences. The YEF is truly becoming international, as this will be the second forum to be held outside the US!

While the YEF is intended for engineers with less than 10 years experience, more seasoned engineers may find the presentation topics of interest. Students are welcome to participate. The presentations will be in the form of lectures and panel discussions. The 12th YEF promises to be a unique learning and networking opportunity. Plan to attend!

THE PROGRAM

All YEF sessions will be held in **Auditorium A, 2nd Floor**, of the Tokyo Metropolitan Institute of Technology. Coffee will be served in the lobby throughout the Forum.

9:00 AM **YEF Registration Opens**

10:15-10:30 AM **WELCOME REMARKS**

- SHUICHI FUKUDA, Tokyo Metropolitan Institute of Technology, Tokyo, Japan

10:30-12:30 PM **Session 1: GLOBALIZATION OF THE MECHANICAL ENGINEERING PROFESSION**

Moderator - TAMOTSU MURAKAMI, University of Tokyo, Japan

This session will address the global issues facing engineers in the new millennium. Come listen to a panel of prominent society leaders from the US, Europe and Japan as they provide a global perspective of the engineering profession. Benefit from their advice on how young engineers should be preparing for international collaboration needed to successfully compete in the 21st century.

10:40 AM

Trends in the Mechanical Engineering Profession (Both Domestic & International)

- DANIEL KOENIG, Executive VP of Manufacturing & Operations, OSF Inc., Canada; Past President of ASME

This presentation will address future trends in the mechanical engineering profession (both domestically and internationally) and the role of the engineer in the 21st century. The discussion will focus on the roles future engineers will face, such as becoming a more technical business person and the importance of becoming excellent communicators and interpreters of science fact in business situations.

11:00 AM

Skills & Attributes Needed by Engineers in Japan to Perform in a Global Economy

- HIDEO OHASHI, President of Kogakuin University, Japan; Past President of JSME

This discussion is based on a new program initiated at Kogakuin University in April, 1997, to educate global mechanical engineers. The aim is to enhance engineers' capacity on communication skills, science and engineering knowledge, creativity, and basic knowledge of management and internationalization. The opinions of the participants and the progress of the program will be shared.

11:20 AM

International Careers for Young Mechanical Engineers

- PAM LIVERSIDGE, Managing Director of Quest Investments Ltd., UK; President-~~Elect~~ of IMechE

Discover international career paths that exist for mechanical engineers and the education, training and global job skills required.

11:40 AM

Globalization of Codes, Standards, and Conformity Assessment

- DAVID WIZDA, Managing Director, Conformity Assessment, ASME, New York, NY, USA

While codes and standards have always been used as tools for mechanical engineers, increased emphasis on world trade has increased their importance in fulfilling regulatory and contractual obligations. The discussion will focus on current trends in the globalization of codes, standards and conformity assessment.

12:00 Noon

Interactive Question & Answer Period

This portion of Session 1 is intended to provide a unique opportunity for you to ask our panel of experienced engineers the most pressing questions on your mind about your career path. Come listen as these professional share their wisdom on how engineers should be preparing for tomorrow's workplace.

12:30-1:30 PM **LUNCH** (Served in the Research Center cafeteria)

1:30-5:00 PM **Session 2: YOUR GUIDE TO PERSONAL CAREER DEVELOPMENT**

Moderator - AKIHIRO KUBOTA, University of Tokyo

The primary objective of this session is to provide practical information and advice to help you advance in your engineering career.

1:40 PM

Developing the Leadership Skills Needed to Advance in Today's Engineering Workplace

- OSKAR BARTENSTEIN, IF Computer Japan, Tokyo, Japan

Whether you aspire to own your own business one day or become head of your department at work, you need to develop effective leadership skills. Discover how an engineer explored the entrepreneurial world by starting his own company and the skills he feels are most important to be a capable leader.

2:00 PM

Personal Views On Competitiveness, Engineering and Society in Japan, Europe and the US

- AKIRA TOKUHIRO, Japanese Research Institute on Advanced Reactors, Ibarakiken, Japan

This presentation will offer some personal views from experiences gained in Japan, Switzerland and the US in the last 10-15 years, first as a student and then as a research engineer in the nuclear engineering field. The speaker believes that since engineering is a human activity, cultural and societal differences in each of these countries directly influences how engineering is conducted.

2:30-3:00 PM **BREAK**

3:00 PM

Panel Discussion on Experiencing Different Cultures while working in the Engineering Profession -

Panelists: Nydia Suppen, Osaka University
Ray Nogami, Ford Motor Company-Japan
Robert Bickel, Tokyo University of Agricultural and Technology
Masakazu Takayanagi, Chiyoda Corporation

It is said that diversity is very often the key to success. Diverse interests, diverse skills, and diverse experiences is what makes an exceptional engineer. Come listen to a panel of young engineers as they relate their career-building experiences abroad. Hear how they honed their skills in other countries and how their employers are benefiting from their international perspective and cultural awareness.

4:30 PM

Where Shall We Go From Here? Action Is Required!

- SHUICHI FUKUDA, Tokyo Metropolitan Institute of Technology, Japan

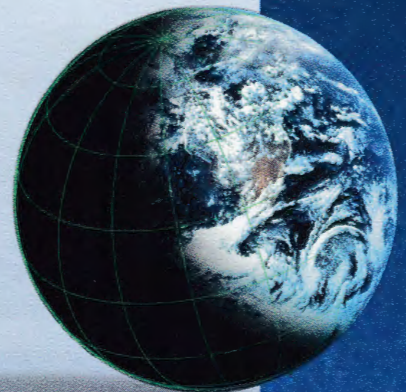
To succeed in today's global economy, engineers need to learn to interact more with fellow peers in order to function as a unit which will carry them onto the 21st century. We grow by exposing ourselves to new ideas and new ways of doing things. Different technical skills and engineering methodologies can be acquired by interacting with engineers from around the world. This presentation will serve as a wrap-up discussion for the YEF and provide an opportunity for the audience to ask questions. Participate in this discussion and take action toward achieving global interaction!

5:00-6:00 PM **YEF Reception**

Plan to join us and meet the YEF speakers and ASME representatives. The YEF Reception promises to be an ideal opportunity to enjoy our hospitality and make new acquaintances. The reception will feature complimentary food and beverages.

REGISTRATION INFORMATION

See registration form for details. Photocopies of the registration form will be accepted, so feel free to pass it along to other young engineers whom you feel would benefit from this excellent opportunity. We ask all YEF attendees to make a contribution of only US\$30 (approximately ¥3,400) to help us defray the costs of bringing this program to you. An additional US\$30 will be charged for those interested in attending the YEF Reception at the conclusion of the forum, where you can meet the speakers and ask specific questions.



ABOUT THE SPEAKERS

Daniel T. Koenig, P.E. is currently an Executive Vice President of Manufacturing and Operations for OSF Inc., in Toronto, Ontario, Canada. Mr. Koenig received his B.S.M.E. from the US Coast Guard Academy and M.S.M.E. from Union College, Schenectady, NY, USA. Mr. Koenig served as the President of The American Society of Mechanical Engineers (ASME) from 1995-1996.

Hideo Ohashi is President of Kogakuin University, Tokyo, Japan. He received his B.S.M.E. from the University of Tokyo, and two Doctorate Degrees in Engineering, one from the Technical University of Braunschweig, Germany, and the other from the University of Tokyo. Dr. Ohashi served as the President of The Japanese Society of Mechanical Engineers (JSME) from 1992-1993.

Pam Liversidge is Managing Director of Quest Investments Ltd. based in Sheffield, UK. This holding company consists of subsidiaries such as Tool & Steel Products Ltd. and Mandall Engineering Ltd. Mrs. Liversidge is responsible for the development of business strategies and monitoring of performance for the group's property interests and treasury arrangements. Mrs. Liversidge is currently President-Elect of The Institution of Mechanical Engineers (IMechE).

David Wizda is currently the Managing Director, Conformity Assessment, at ASME. He has worked in ASME's Codes and Standards Department since graduating from the Massachusetts Institute of Technology in 1977. Within Mr. Wizda's purview are programs for the accreditation of boiler and pressure vessel manufacturers (nuclear and non-nuclear), certification of incinerator operators and GD&T professionals, and ISO 9000 quality system registration.

Oskar Bartenstein is President of IF Computer Japan. He graduated from The University of Munich and his Ph.D., in ME, from the University of Tokyo.

Akira Tokuhiko is a research engineer at the Japanese Research Institute on Advanced Reactors. He received his Ph.D. in Nuclear engineering from Purdue University. He spent five years as a researcher at the Swiss Federal Laboratory for Energy Engineering and Applied Physics.

Nydia Suppen is a Doctoral Student at Osaka University. She was the Mexico Section Chair of ASME's Region X.

Ray Nogami is a Quality Engineer and ISO/QS-9000 for the Ford Motor Company. He received a combined degree in Engineering / Management from McMaster University in Ontario, Canada. He was a Plant Engineer with Ontario Hydro and the next 5 years were spent as a consultant in the field of vibrations with Estech Corp in Japan.

Robert Bickel is a Lecturer for the Department of Mechanical Systems Engineering at Tokyo University of Agriculture and Technology. He received his BSME from Purdue University and his MS and Ph.D. from the University of California at Berkeley. He is currently conducting research in the control of hard disk drives and machine tools.

Masakazu Takayanagi is a Project Engineer for the Chiyoda Corporation. He received his ME degree from Queen's University, Canada. He works directly with the Refinery Plants doing Engineering Design, Procurement and Construction.

CREDITS

Special thanks are extended to Dr. Shuichi Fukuda for his diligent efforts as the YEF Local Program Coordinator. We are also most grateful to all the YEF speakers for volunteering their time to speak at the Forum.

The 12th YEF is brought to you by the Japan Chapter of The American Society of Mechanical Engineers (ASME International). The 125,000 member ASME is a world-wide engineering association focused on technical, educational, and research issues. It conducts one of the world's largest technical publishing operations, holds some 30 technical conferences and 200 professional development courses each year, and sets many industrial and manufacturing standards.