



25th YOUNG ENGINEERS FORUM

AGENDA

Walt Disney World Swan and Dolphin

Orlando, FL

Sunday, November 6, 2005



Tips for Career Success:

Take time to refine your skills and present yourself professionally

Moderated by John Randazzo, Implementation Engineer, Blue Ridge Numerics

8:30 am - 9:15 am

Welcome/Keynote Speaker **Stuff you don't learn in** **Engineering School**

Carl Selinger, Principal, Carl Selinger Services

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Engineering graduates today start their careers with excellent technical skills and subject-matter expertise. However, they are often less able to cope with the people, procedures and pressures of the real world. This presentation will discuss why engineering school can only do so much, the importance of taking personal responsibility for your professional and career development, and then review findings of an engineering managers' survey -- on the relative importance of various soft skills to young engineers and how well they do in each skill area. Then the presentation will identify the most important "soft" skills they need in order to be more effective in work and in life. Selinger's new book will be available at the conference: *Stuff You Don't Learn in Engineering School: Skills for Success in the Real World* (Wiley-IEEE Press, 2004).

9:15 am - 10:00 am

Essential Habits for Success **for Engineers**

Carl Selinger, Principal, Carl Selinger Services

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Following directly from the Keynote Speech, several soft skills will be covered in detail, including: running meetings, making decisions, setting priorities. The session will then overview: working in teams, better understanding yourself and others (like co-workers, clients and your boss!), leadership skills, getting feedback, dealing with stress, and improving the communications skills of speaking, writing and listening.

10:15 am - 11:00 am

How to Communicate Effectively with your Boss

Jaye Smith, CEO, Breakwater Consulting

Participants in this session will have some new things to consider when approaching your managers regarding your performance and career. You will leave with specific questions to ask and a strategy for when and how to get valuable feedback about your reputation and your future. Also covered will be how to give bad news and good news, as well as "tooting your own horn" on performance issues.

11:00 am - 12:00 pm

Choose one: Session A or B

Session A

To PE or not to PE: What's best for your career

- Mahesh Aggarwal, PhD, Professor of Mechanical Engineering, Gannon University
- Christian S. Bauer, P.E., C.M.S.P., Associate Chair, Department of Electrical and Computer Engineering, University of Central Florida
- Scott Walthour, Program Manager, Arium Architects and Engineering
- Barry E. Lindblom, P.E., Technical Director, Alliant Techsystems

Is a PE for you? Discussions will center on whether a PE will help your career, and when a PE is essential for your career growth. Panel participants will discuss what the PE has done for their careers and help you decide if it's the right path for you.

or

Session B

Acing the Interview

Penny Underwood, Sr. Recruiter, Ginn Company

Participants will learn how to prepare for an interview and make a positive impression during the interview process.

12:00 pm - 1:15 pm

LUNCH ON YOUR OWN

1:15 pm - 5:00 pm

Resume Review

- Bob Campbell, Senior Recruiter, Quantum Resources
- William Blank, Ph.D., Associate Director, Career Planning, University of Central Florida Career Services & Experiential Learning
- Annie Ware, Coordinator, Career Development, University of Central Florida Career Services & Experiential Learning
- Melissa McCormick, Chairman and CFO, McCormick Stevenson Corporation

Not getting a response from your resume?

Local Recruiters and career professionals will critique your resume and make concrete suggestions on how you can improve.

Sign up for your private 15-minute appointment onsite at the entrance of the YEF event.

1:15 pm - 2:30 pm

Secrets to Smart Networking

Liz Lynch, Executive Director, The Center for Networking Excellence

Networking is not just for job seekers. Even if you're happy in your job, you'll never know when you'll need your network, so the sooner you start cultivating one, the bigger advantage you'll have in your career. That's the main secret of smarter networking.

Learn how to turn networking into a simple process that can help you build quality relationships with ease, the kind of relationships that can help you land the big promotion, find the perfect job, or look like a hero. It's easier than you think and Liz will show you how.

Connect with others through discussion and group exercises in this 75-minute session where you'll learn the basics of how to give that perfect elevator pitch, how to make the most of networking events, how to follow up effectively and more! Bring your business cards!

Note: All attendees will receive a FREE copy of Liz's booklet "102 Secrets to Smarter Networking" (a \$10 value), compliments of ASME/YEF.

2:45 pm - 3:45 pm

The Ethics of Sustainable Engineering

- Richard Ciocci, Assistant Professor of Mechanical Engineering, Pennsylvania State University, Harrisburg campus
- Timo Marquez, Project Manager, ETH Zürich
- John Elter, Ph.D., Chief Technology Officer, VP of Research & Systems Architecture, Plug Power

All Engineers are Sustainable Engineers. The following questions regarding the importance of engineers thinking and acting sustainably will be addressed and answered. Principles and examples are used to demonstrate the need for all engineers to be sustainable.

- What is sustainable engineering?
- Why do engineers need to consider sustainability?
- What are sustainable engineering principles?
- What are sustainable engineering practices, and who is already using them?

3:55 pm - 4:55 pm

Panel Discussion:

Career Q and A with Executive Management

What does the future look like for engineers? How will jobs be changing in the next few years? What are the emerging trends that will affect your job - and how can you stay ahead of the curve?

Our panelists will tell you about their industries, and answer your industry and career questions.

Panelist:

- Susan J. Jesse, Deputy Program Director, JSF EOTS, Lockheed Martin Missiles and Fire Control
- Dennis M. Lind, PE, Director, Engineering, Strategic Asset Management
- Lisa Beeson, President & Principal Acoustical Consultant at Quietly Making Noise, LLC