

California Forum on Energy Efficient Manufacturing (CaFEEM)



Date: October 1, 2015

Duration: 1 day

Venue: University of California at Davis,
Student Community Center

Registration cost: \$75

Target audience: Researchers,
Engineers, Managers, Students.

Forum objectives

1. Increase awareness of latest energy efficiency and low carbon manufacturing technologies and research.
2. Encourage future collaborations between Industry, Universities and Research Laboratories on the topic of sustainable energy solutions for the manufacturing industry.
3. Educate engineering students and practitioners about energy related challenges and opportunities in the discrete manufacturing industry.

Topics

- Sustainable and Low Carbon Manufacturing
- Industrial Energy Management and ISO50001
- Energy efficiency in Production Machinery and Machine Tools
- Energy efficiency in Production Planning and Control
- Energy efficiency in Automation Technology
- Energy efficiency in Compressed Air Systems
- Energy efficiency in Buildings (HVAC and Lighting)
- Micro Power Generation and Cogeneration
- Life Cycle Costs and Energy Efficient Procurement
- Industrial Case Studies

Background

Globally, the manufacturing industry is responsible for approximately 36% of energy related CO₂ emissions. For industry to significantly reduce emissions, it is necessary to both reduce energy demand and switch to alternative energy supply technologies. While the potential for energy and emissions reductions in industry is high, such savings are still relatively untapped at present.

Scope

In order to increase the manufacturing industries participation and adoption of sustainability measures, a forum hosted in UC Davis aims to bridge the gap between existing academic and industry orientated conferences. The forum will focus on solutions for decreasing industrial energy usage and emissions in discrete production facilities. A number of keynote talks and technical presentations will address the key enablers for greener production, including both state-of-art commercial technology and ongoing research. In addition networking opportunities will allow industrialists to formulate their pressing energy issues, with a view to increased collaborative research that has a direct impact for industry.

Organizing Committee

Prof. Barbara Linke, UC Davis

Dr. Paul Harris, UC Davis