

The Department of Mechanical Engineering presents:

Dr. Alireza Moharrer

Project Manager

Worley-Parsons Group

Monrovia, California

Friday, January 8th

11:10AM-12:00PM

Bourns Hall A265

Current Status of Technology and Market for Commercial Solar Power Projects

Abstract: The objective of this presentation is to inform the audience of current solar power plant projects in the U.S. It can also serve as a starting point for engineers who are early in their career and seeking career development paths with solar power businesses.

With the continual rise in demand for electricity, depleting conventional sources of fossil energy, and a changing business environment, solar power has stepped into the foreground of large scale power projects. The U.S. is known world wide for having very sunny regions. It is also known for being a pioneer in alternative power which includes solar power. This presentation will show the overall aspects of major commercially proven technologies for solar power utilization. Furthermore, it will show the status of major project developers in the U.S. The major focus will be on concentrated solar thermal power and photovoltaic technologies.

Bio: Dr. Moharrer has 15 years of experience with mechanical process design and project engineering of power plant projects. He has worked on the engineering and construction of several power projects in the size of 40 -1,000 MW. Recently, he was the responsible for the preliminary directing engineering of a 50 MW concentrated solar thermal power project in Spain. Dr. Moharrer is currently a Project Manager with *Worley Parsons Group* out of Monrovia office and is a registered professional engineer with the State of California.

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