

# Optical Society of America Ann Arbor Local Section

## PUBLIC MEETING NOTICE

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**Tuesday, 10 December 2013, 7:00-9:00 pm**  
**Location: U-M EECS, H. H. Dow Bldg., Room 1017**  
North Campus, University of Michigan  
Ann Arbor, MI 48109

## **High Power Fiber Lasers for Industrial Applications**

Eric Stiles, Applications Manager  
IPG Photonics Midwest

**Abstract:** Lasers continue to gain acceptance as a reliable tool for industrial processes, such as cutting, welding and drilling. Advances in technology, such as high power diodes and fiber lasers, make lasers more economical and reliable, enabling their usage in a broader range of applications. This presentation reviews the trends in high power industrial laser technology of the last five years, and the user benefits. New and growing application areas are discussed.

**Bio-sketch:** Eric Stiles is the lab Manager for IPG Photonics' high power applications lab in Novi, MI. Eric has a master's degree in Mechanical Engineering from the University of Michigan. Prior to working for IPG, Eric worked at the Fraunhofer Institute, first at the Institute for Material & Beam Technology (IWS) in Dresden Germany; and then for the Center for Coatings and Laser Applications in Plymouth MI. His areas of focus in laser applications are automotive laser welding, and laser cladding processes for wear protection and additive manufacturing.

**Map to seminar site:** Public parking is shown on the U-Mich campus map [www.umich.edu/~newsinfo/umnc.html](http://www.umich.edu/~newsinfo/umnc.html) (or see AA OSA website). This year, we will NOT be meeting at Paesano's Restaurant prior to the seminar for regular talks.

**Next AA OSA Meeting:** Tuesday, 14 January 2014

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