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CNR-IFAC

Seminar Title: “Developments on fiber optic sensing technologies at the National Engineering Lab for Fiber Optic Sensing Technology”

Done by: Prof. Minghong Yang

Presenter CV: Minghong Yang received PhD in physical electronics from Huazhong University of Science and Technology in 2003. From July 2003 to December 2005, he was with the Fraunhofer Institute for Applied Optics and Precision Mechanics in Jena, Germany as post-doctoral visiting scholar, after that he worked in the Berlin University of Technology, Germany as research fellow. Since 2009, he has been a research faculty member in the National Engineering Laboratory for Optical Fiber Sensing Technology, Wuhan University of Technology, China. In Feb.- Sept. 2013, he was senior visiting professor at the Virginia Tech, USA, and he was also invited to the Friedrich-Schiller University Jena, Germany as guest professor at the Abbe School for Photonics in 2014. Minghong Yang is a Fellow of IET, a senior member of IEEE, a TPC member of the international conferences of optical fiber sensors. He is serving as associate editor for IEEE Sensors Journal. His research interests include optical fiber sensors, thin film sensors.

Abstract: The National Engineering Laboratory for Optic Fiber Sensing Technologies (NEL-FOST) at the Wuhan University of Technology China has conducted research and development activities on optical fiber sensing technologies for more than 30 years. The talk will present some fundamental research work on optical fiber sensors for chemical and bio applications, such as hydrogen gas sensor and relative-humidity sensor. Moreover, other works based on traditional FBG technology and draw-tower FBG array will be presented for industrial applications.