Foreword to the Special Issue on Optical Fiber Sensors

In 2015 the 24th International Conference on Optical Fiber Sensors (OFS-24) will be located in Brazil, co-organized by the Brazilian Microwave and Optoelectronics Society – SBMO. The conference series started 1983 (London, UK) and periodically rotates its host city among Americas, Europe and Asia/Oceania. The 2015 edition will be the first time OFS will take place in South America and only the third time in the Southern Hemisphere.

Optical fiber sensors are studied in Brazil for almost 35 years and the Brazilian contribution to this research subject is internationally recognized; in the last OFS-22 (Beijing, Oct 2012) 19 papers were co-authored by Brazilian researchers, of whom 14 originated from the Brazilian Universities and Research Institutes. Since 2002 Brazil has representatives in OFS Technical Program Committee and, from 2009 on, has also a chair in the International Steering Committee.

Recognizing the Brazilian achievements the Journal of Microwaves, Optoelectronics and Electromagnetic Applications (JMOe) decided to publish a Special Issue covering R&D in optical fiber sensors and related technologies. The submitted articles were analyzed by national and international referees and the accepted papers are presented in the following pages, presenting recent results both on optical sensing as well as promising technologies to enhance fiber and photonic sensors.

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