



Document downloaded from the institutional repository of the University of Alcalá: <http://ebuah.uah.es/dspace/>

This is a postprint version of the following published document:

Thévenaz, L., Tur, M., González-Herráez, M., Zadok, A. & Soto, M.A. 2019, "Guest Editorial JLT Special Issue on OFS-26", JLT, vol. 37, no. 18, p. 4455

Available at <http://dx.doi.org/10.1109/JLT.2019.2939770>

© 2019 IEEE. Personal use of this material is permitted. Permission from IEEE must be obtained for all other users, including reprinting/republishing this material for advertising or promotional purposes, creating new collective works for resale or redistribution to servers or lists, or reuse of any copyrighted components of this work in other works.

(Article begins on next page)



This work is licensed under a

Creative Commons Attribution-NonCommercial-NoDerivatives
4.0 International License.

Guest Editorial

JLT Special Issue on OFS-26

THIS JOURNAL OF LIGHTWAVE TECHNOLOGY Special Issue contains expanded versions of selected papers that were presented during the 26th International Conference on Optical Fibre Sensors (OFS-26). From a modest conference, established in 1983 and attended by some tens of pioneers, the International Conference on Optical Fibre Sensors (OFS) has turned in this past decade into a major event gathering more than 500 actors from both the academia and industry. It has thus become an essential event in a community, which finally witnesses years of dedicated research and development translated into widely accepted, commercially available fibre-based sensors, offering unmatched solutions of unique performance in many fields of applications.

The 26th edition of this successful conference (<https://www.ofs26.org>) was held in the glittering scenery of lakes and mountains, where the city of Lausanne (Switzerland) is nestling, a region that has escaped the devastation of conflicts for more than 500 years to become the privileged place where people settle disputes in peaceful ways. Hosted in the very modern Swiss Tech Conference Centre located on the EPFL campus, OFS-26 has kept its unique format of a single-track conference, offering (double-blinded reviewed) quality oral presentations to a very large and unmatched audience, while maintaining high standard in poster sessions, which facilitate close and intense interactions between specialists. For the first time it also included a special session, strictly dedicated to members of the industry, offering them the opportunity not only to present real time applications and new products but to also educate and advise researchers how to bring their novel research ideas into products of commercial interest.

More than 90 OFS-26 related papers were submitted to this Special Issue. A stringent review process, led by the Guest Editors*, has resulted in a fairly balanced 62-papers-long collection of state-of-art research and development accomplishments in fibre-optic sensing. Side by side with incremental improvements, new devices and novel applications, the reader will also find implementations of anticipated game-changers, such as deep-learning, photonic integrated circuits and distributed acoustic sensing for high spatial resolution, dynamic and distributed quantitative strain measurement. We hope this issue to be of interest to newcomers, as well as to veterans, triggering new research and application ideas that will hopefully catapult optical fibre sensing technology to new heights!

ACKNOWLEDGMENT

This Special Issue has been made possible by the hard work of authors and reviewers, the insightful advice of the outgoing and incoming JLT Editors-in-Chief Drs. Peter Winzer and Gabriella Bosco and the patience and attention of the IEEE Photonics Society Publications Administrator Doug Hargis and his team. As guest editors, we deeply thank them all.

LUC THÉVENAZ, *Guest Editor*
SCI-STI-LT
Group for Fibre Optics
Ecole Polytechnique Fédérale
de Lausanne (EPFL)
Lausanne 1015, Switzerland
luc.thevenaz@epfl.ch

MOSHE TUR, *Guest Editor*
School of Engineering
Tel Aviv University
Tel Aviv 69978, Israel
tur@post.tau.ac.il

MIGUEL GONZALEZ-HERRAEZ, *Guest Editor*
Polytechnic School, DO-231
University of Alcalá
Campus Universitario s/n
Alcala de Henares 28805, Spain
miguel.gonzalez@uah.es

AVINOAM ZADOK, *Guest Editor*
Faculty of Engineering
Bar-Ilan University
Ramat-Gan 52900, Israel
Avinoam.Zadok@biu.ac.il

MARCELO A. SOTO, *Guest Editor*
Department of Electronic Engineering
Universidad Técnica Federico Santa María
Valparaíso 2390123, Chile
marcelo.soto@usm.cl