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Tarik Bourouina holds M.Sc. in Physics, M.Eng. in Optoelectronics, Ph.D. in MEMS (1991), and HDR (2000) from Université Paris-Sud, Orsay. His entire career was devoted to the field of MEMS and Lab-On-Chip. He started research at ESIEE Paris in 1988 on MEMS microphones and acoustic gyroscopes. More recently, he had several contributions in optical MEMS, among which the smallest MEMS-based FTIR Optical Spectrometer, jointly developed with Si-Ware-System and Hamamatsu Photonics, awarded the Prism award on photonics innovation in 2014. Among his contributions to the scientific community, Dr. Bourouina served in the Technical Program Committee of IEEE MEMS from 2012 to 2013. He is now serving as an Editor in two journals of Nature Publishing Group: 'Light: Science and Applications' and 'Microsystems and Nanoengineering', in partnership with the Chinese Academy of Science. Dr. Bourouina took several positions in France and in Japan, at the Université Paris-Sud, at the French National Center for Scientific Research (CNRS) and at The University of Tokyo. He is the representative of Université Paris-Est in the international research network on Nano and Micro Systems (NAMIS). Since 2002 Dr. Bourouina is full Professor at ESIEE Paris, Université Paris-Est, appointed as Dean for Research from 2012 to 2015. His current interests include optofluidics, analytical chemistry on-chip, seeking new opportunities for MEMS in the areas of Sustainable Environment and Smart-Cities. He is the Co-Laureate of the French Excellence Grant (EquipEx 'Sense-City'). He is also actively involved in the development of several companies launched by his former students and colleagues, which include Si-Ware Systems, Fluidion, Memscap and MEMS-Schlumberger.