

## **Biography of Darko Zibar**

Darko Zibar was born 9 September 1978 in Belgrade, Serbia. He lived in Bosnia & Herzegovina, until 1992, where after he moved to Denmark. He is currently Professor at the Department of Electrical and Photonics Engineering, Technical University of Denmark and the group leader of Machine Learning in Photonics Systems (M-LiPS) group. He received M.Sc. degree in telecommunication and the Ph.D. degree in optical communications from the Technical University of Denmark, in 2004 and 2007, respectively. He has been a Visiting Professor at Politecnico di Torino, Friedrich Alexander University of Erlangen, University of California Santa Barbara and University of Colorado, Boulder. His research efforts are currently focused on the application of digital signal processing and machine learning techniques to advance classical and quantum optical communication and measurement systems. Some of his major scientific contributions include: record capacity hybrid optical-wireless link (2011), record sensitive optical phase noise measurement technique that approaches the quantum limit (2021) and record-bandwidth (S+C+L band) programable gain Raman amplifier (2019). He is the recipient of Young Researcher Award by University of Erlangen-Nurnberg (2016), European Research Council (ERC) Consolidator Grant (2017), Alexander von Humboldt Foundation Bessel Research Award, (2021), and Villum Investigator Award (2023). Finally, he was a part of the team that won the HORIZON 2020 prize for breaking the optical transmission barriers (2016).