

Workshop speaker	
Name	Po Dong
Affiliation	Nokia Bell Labs
Presentation Title	Silicon photonics for telecommunications
Biography	
<p>Dr. Po Dong currently works as the department head of the silicon photonics group at Nokia Bell Labs. He received his PhD degree in electrical engineering from McGill University in Montreal, Canada. Before Bell Labs, he worked as a principal engineer at Kotura, Inc. He has been working in the field of silicon photonics for more than ten years and has contributed to energy-efficient silicon photonic devices for chip-scale interconnects and high-capacity photonic circuits for telecom/datacom applications. He has authored or coauthored about 200 journal articles and conference publications as well as three book chapters. He has worked as an associate editor of Optics Express for six years and has served as a committee member or chair for conferences such as the Conference on Lasers and Electro-Optics; the Integrated Photonics Research, Silicon, and Nano-Photonics Conference; and the Optical Fiber Communication Conference. He is a Fellow of IEEE and OSA.</p>	
200 words abstract	
<p>Silicon photonics has demonstrated the potential to achieve high-capacity, compact, and power-efficient optical transceivers due to their high level of optical integration. This is especially needed for next generation pluggable modules to be used in metro and short-distance optical systems. We review recently reported silicon photonic devices for this application and the remaining challenges.</p>	