



Dora van Veen



Biography: DORA VAN VEEN is a Distinguished Member of Technical Staff in the Nokia Bell Labs Optical Access Research Department and is based in Murray Hill, New Jersey, USA. She received her M.Sc. and Ph.D. degrees in Electrical Engineering from the University of Twente, Enschede, The Netherlands before joining Bell Labs in 2000. She has been a Principle Investigator in a team that has developed early system demonstrations and has done research on several generations of Passive Optical Networks. Dr. van Veen's research has focused on many aspects of the physical layer in optical access, resulting in many conference and journal papers as well as patents. Her current research includes high rate PONs and developing methods for reducing cost and energy consumption in optical access systems. She has served as a member of the Technical Program Committee 'Access, Local Area and Home Networks' for ECOC 2014, 2015, and 2016.

Session Title: Energy Efficiency in Future PON

Abstract: In this talk, Dora will address energy efficiency in optical access, particularly in the context of future high rate passive optical networks (PONs). She will review her past work for Green Touch. And she will discuss details on the different options that are on the table for next generation PON with line-rates beyond 10 Gbps, and their impact on the overall energy consumption of the system.