

**Dr. Karin Hinzer** is a Tier II Canada Research Chair in Photonic Nanostructures and Integrated Devices and Associate Professor at the University of Ottawa. She has made pioneering contributions to the experimental physics of quantum dots marked by two landmark papers in Science. She gained extensive experience in the design and fabrication of group III-V semiconductor devices including quantum dot devices while at the National Research Council Canada, Nortel Networks and then Bookham. Cost reduction strategies and liaison with remote fabrication facilities strongly feature in her industry experience. In 2006, she brought to new product introduction a high performance 10 Gb/s uncooled 1310 nm directly modulated laser for Bookham. In 2005-2006, she was advisor at Bookham on the EU-sponsored Zodiac program on development of novel quantum dot devices and on the UK-sponsored ETOE program on high temperature optoelectronics. A proud alumni of the University of Ottawa, she is glad to be taking a leadership role in advancing semiconductor devices and environmentally friendly technology.