



## Prof Erika Andersson

Heriot-Watt University

Erika Andersson joined Heriot-Watt in October 2007 as a Lecturer in Physics. She obtained her PhD in 2000 from the Royal Institute of Technology, Stockholm, Sweden. She then held a Marie Curie Fellowship in the Department of Physics at the University of Strathclyde in Glasgow, followed by a Royal Society Dorothy Hodgkin Fellowship in the same department. She is now a Professor at Heriot-Watt University.



## Dr Saikat Guha

Raytheon BBN Technologies/University of Arizona

Dr Guha is a Lead Scientist with the Quantum Information Processing (QuIP) group at BBN Technologies in Cambridge, MA. He received his Bachelor of Technology (B.Tech.) degree in Electrical Engineering from Indian Institute of Technology (IIT) Kanpur in May 2002, and his S.M. and Ph.D. degrees in Electrical Engineering and Computer Science from Massachusetts Institute of Technology (MIT) in 2004 and 2008 respectively, with theses on quantum information theory for optical channels. His research interests include investigating fundamental quantum limits on optics-based information processing with applications to communications, imaging and computation, with specific attention to structured realizations of optical systems that can approach those performance limits. He is also interested in network science and network communication theory, and is particularly fascinated by percolation theory.





## Prof. Thomas Jennewein

Institute for Quantum Computing, University of Waterloo

Thomas Jennewein completed his PhD thesis in 2002 at the University of Vienna, focusing on Quantum Communication and Teleportation Experiments with Entangled Photon Pairs.

In March 2009 Thomas joined the University of Waterloo as an Associate Professor with the Physics Department and became a member of the Institute for Quantum Computing (IQC).



## Dr Anthony Leverrier

INRIA Rocquencourt

Dr Leverrier is a researcher in quantum information theory at INRIA Rocquencourt in the team SECRET.

He obtained a PhD from Telecom ParisTech in 2009 under the direction of Gilles Zémor and Philippe Grangier. He did a postdoc at ICFO in the group of Antonio Acín in 2010-2011 and spent one year at ETH Zürich in the group of Renato Renner.



## Prof. Norbert Lütkenhaus

Institute for Quantum Computing, University of Waterloo

Norbert Lütkenhaus studied at the Rheinisch-Westfälische Technische Hochschule Aachen (RWTH Aachen) and the Ludwig Maximilian University (LMU) of Munich, from which he graduated with a thesis in general relativity.



Returning to academia in 2001, he built up and lead an Emmy-Noether Research Group at the University of Erlangen-Nürnberg, during which time he did his habilitation (2004).

Currently he is a Professor at the Institute for Quantum Computing (IQC) and in the Physics department at the University of Waterloo and runs the Optical Quantum Communication Theory Group



## Dr Vadim Makarov

Institute for Quantum Computing, University of Waterloo

Vadim Makarov is a Research Assistant Professor at IQC running the Quantum Hacking Lab in Waterloo, Canada.



## Prof. Vicente Martin

Universidad Politécnica de Madrid

Ph.D. in physics from the Universidad Autonoma de Madrid, Spain, in 1995. He is professor at the Universidad Politécnica de Madrid. Founding member of the Specialized Group in Quantum Information and Computing of the Spanish Royal Society of Physics and of the Quantum Industry Specification Group, European Telecommunications Standards Institute. He is currently promoting the UPM Research Center for Computational Simulations. Previously he was Director at the Madrid Supercomputing and Visualization Center.





## Dr William Munro

Nippon Telegraph and Telephone Corporation (NTT, Japan)

Dr Bill Munro graduated in 1989 with a BSc in Chemistry and Physics (Waikato, New Zealand), followed by an MSc in Physics (Waikato) in 1991 and a DpPhil in Quantum Optics (Waikato) in 1994. He moved to the computer industry in early 1995 where he worked on various projects. In July 1997 he accepted an Australian Research Council Fellowship at the Department of Physics in the University of Queensland, Australia. During this fellowship he investigated multiparticle tests of quantum mechanics and developed an interest in entanglement, methods to characterize it and its practical use in QIP. In 2000 he became a senior researcher in the Australian Special Centre for Quantum Information Processing). In November 2000 Bill joined HP Labs as a research scientist and was instrumental in HP's development of quantum enabled technologies. In early 2010 he moved to Japan and joined NTT BRL as a research specialist. This was followed in 2014 by being promoted to senior research scientist and became BRL's first foreign group leader. He currently runs the theoretical quantum physics research group.



## Prof Gerhard Rempe

Max-Planck-Institut für Quantenoptik

Gerhard Rempe (born April 22, 1956 in Bottrop/Westphalia) is a German physicist, Director at the Max Planck Institute of Quantum Optics and Honorary Professor at the Technical University of Munich. He has performed pioneering experiments in atomic and molecular physics, quantum optics and quantum information processing.





## Prof. Kiyoshi Tamaki

University of Toyama

Born 1975 in Fukuoka, Japan, Kiyoshi Tamaki got his M.Sc. and Diploma in theoretical physics at Tokyo Institute of Technology in Japan. From April 2001 to March 2004, he was a Ph.D student supervised by Prof. Masato Koashi at Prof. Nobuyuki Imoto's group in the Graduate University for Advanced Studies (SOKENDAI), Japan. During his Ph.D, he visited Prof. Norbert Luetkenhaus group at the University Erlangen-Nuremberg in Germany for half a year. After obtaining his Ph.D degree, he worked at the Perimeter Institute for Theoretical Physics in Canada, under the support of Dr. Daniel Gottesman, and then he moved to the University of Toronto as a postdoctoral fellow to work with Prof. Hoi-Kwong Lo. In January 2006 he joined NTT Basic Research Laboratories in Japan as a scientific researcher. Since April 2017, he has been working for the Faculty of Engineering at the University of Toyama as a Professor.