



## Ortwin Hess

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Professor Dr. Ortwin Hess currently holds the Chair Professorship of Quantum Nanophotonics and an SFI Research Professorship in the School of Physics and the CRANN Institute of Trinity College Dublin, The University of Dublin, Ireland. He is Editor-in-Chief of the open-access journal APL Quantum. Ortwin is a Fellow of the Institute of Physics (FInstP), a Fellow of Optica and a Professorial Fellow of Trinity College Dublin as well as a Member of the Royal Irish Academy (MRIA).

Previously, Ortwin held the Leverhulme Chair in Metamaterials in the Blackett Laboratory at Imperial College London, UK. From 2003 to 2010 he was a full professor at the University of Surrey (Guildford, UK) and visiting professor at Stanford University, USA, and at the Ludwig-Maximilians University of Munich, Germany.

Ortwin obtained the Dr.-rer-nat. (PhD) degree from the Technical University of Berlin, Germany in 1993 and the Habilitation at the University of Stuttgart, Germany in 1997.

Ortwin's research interests bridge quantum nanophotonics with semiconductor and metamaterials physics, laser science and bio-medical photonics. He discovered the 'trapped-rainbow' principle, had the idea of stopped-light lasing and made defining contributions to the fields of spatio-temporal dynamics of semiconductor lasers, ultraslow light in metamaterials, complex quantum dot photonics and photonic crystals and strong coupling in nanoplasmonics.

Ortwin pioneered active nanoplasmonics and optical metamaterials with quantum gain for which he has been awarded the Royal Society Rumford Medal.