

EWAN M. WRIGHT - Professor

Date and place of birth: 5/31/58 Edinburgh, Scotland

Citizenship: United States of America & UK

Education background:

Heriot-Watt University, Scotland Dept. of Physics	PhD	1983
Heriot-Watt University, Scotland Dept. of Physics	BSc (Hons.)	1980

Employment history:

Heriot-Watt University School of Engineering & Physics Sciences	Honorary Professor	2014-date
NP Photonics, Tucson	Member of Technical Staff	2001-2002
University of St. Andrews School of Physics & Astronomy	Honorary Professor	2001-date
University of Arizona College of Optical Sciences	Professor	1999-date
	Associate Professor	1993-1999
	Assistant Professor	1989-1993
	Research Assistant Professor	1987-1989
	Research Associate	1985-1987
Max-Planck-Institut für Quantenoptik Garching, Germany	Research Associate	1983-1985

Current research areas

Theory and simulation of ultrashort pulse propagation in dielectric media, microscopic nonlinear optical response of gases, physics of light filament propagation. Theory and simulation of vertical external cavity surface emitting lasers. Photon fluids, synthetic gauge fields, quantum time crystals, Penrose and Zel'dovich effects in acoustics and nonlinear optics.

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