

Jennifer Hastie Associate Team Leader



Jennifer joined the IoP as a postgraduate student in 2000 and was awarded her PhD for research on “High Power Surface Emitting Semiconductor Lasers” in 2004. She has recently completed a five year research fellowship supported by the Royal Academy of Engineering and EPSRC during which she developed visible and ultraviolet semiconductor disk lasers (VECSELs) as principal investigator on EPSRC grants EP/D061032 “Deep- to near-ultraviolet surface-emitting semiconductor laser sources for biomedicine”, and EP/E056989 “InP/AlGaInP quantum dot lasers for 650-780nm emission”. The latter, a collaborative project with the Universities of Cardiff and Sheffield, recently led to the first demonstration of InP quantum dot VECSELs.

Jennifer’s primary research interests include surface emitting semiconductor lasers (VECSELs / SDLs), novel semiconductor materials – quantum well and quantum dot laser gain media, nonlinear frequency conversion techniques and applications.

Department

Institute of Photonics

Institution

University of Strathclyde

Address

Wolfson Centre
106 Rottenrow
Glasgow
G4 0NW
UK

Tel

+44 (0) 141 548 4120

e-mail

Jennifer.hastie@strath.ac.uk

URL

www.photonics.ac.uk

Work Groups

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