

David Burns Associate Director

David Burns received a PhD from the University of St.Andrews in 1990 for work centred on ultrashort pulse generation from long wavelength semiconductor lasers and erbium doped fibre lasers. He then worked as a post-doctoral research fellow with Prof Wilson Sibbett at the University of St. Andrews on various aspects of optical pump sources and ultrashort pulse generation from semiconductor and all-solid-state lasers. He joined the Institute of Photonics in 1996 to work on femtosecond pulse Cr:LiSAF lasers. Since then his work has centred on the design and development of novel SBR saturable absorbers for femtosecond lasers and high average power picosecond lasers; the design, development and characterisation of a range of novel Bragg mirror based optically pumped semiconductor lasers; construction of user friendly/turn-key, high specification laser sources for both industrial and in-house use. More recently, he has been involved in developing adaptive optic control systems to extend the parameter range of high brightness, high average power lasers. Since February 2002, David has been the Research Team Leader responsible for the Institute's All-Solid-State Laser Engineering team.

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Work Groups

Biophotonics	<input type="checkbox"/>
Integrated Photonics	<input checked="" type="checkbox"/>
Solar Cell Devices	<input type="checkbox"/>
Solid State laser Engineering	<input checked="" type="checkbox"/>
Photonic Sensors	<input checked="" type="checkbox"/>