

Erdan Gu Associate Director



Erdan joined the Institute of Photonics in July 2002. He is an Associate Director and a Research Team Leader at the Institute. Erdan obtained his Ph.D degree in thin film physics from Aberdeen University, UK in 1992. Then, he was appointed as a research fellow in Cavendish Laboratory, Cambridge University, UK. In Cavendish Laboratory, he worked on epitaxial magnetic film growth, in-situ structural and magnetic property characterizations, micromagnetic structures, epitaxial elements and devices. Later on, he was awarded a senior research fellowship by the Newton trust, Trinity College, Cambridge University. In December 1997, he joined the thin-film research group, Oxford Instruments plc, UK as a senior research scientist. His work in Oxford Instruments focused on superconducting device research and development such as single electron tunneling devices, superconducting photon detectors and transition edge sensors.

In the Institute, Erdan works and takes responsibility for a range of research activities and projects such as micro/nano photonics and optics, micro/nano LED array development and applications, diamond optics and photonics, hybrid organic/inorganic optoelectronic devices . His research interests include epitaxial growth, in-situ and ex-situ characterizations, process developments, device (photonic, optical and optoelectronic devices) fabrication and characterization. In these research fields, he has published more than 150 papers in international leading journals. Erdan is also responsible for organising postgraduate courses and promoting international collaborations. He is a member of the internationalization committee, Faculty of Science, University of Strathclyde and is a guest professor of several prestigious universities in China.

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