

## Professor Ifor Samuel



Ifor is Professor of Physics and Director of the Organic Semiconductor Centre. His research covers organic semiconductors, fluorescence measurements and biophotonics. He works with solution-processable organic semiconductors to make a range of organic optoelectronic devices, including light-emitting diodes, solar cells, photodiodes and lasers. He performs a wide range of photophysical measurements (e.g. fluorescence quantum yield, exciton diffusion, charge mobility) to understand the properties of materials and how they relate to device operation. Luminescence measurements are performed from femtosecond to microsecond timescales. Recent developments include hybrid lasers and photodiodes, an organic laser explosive sensor and a wearable light source for skin cancer treatment.

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Work Groups

Biophotonics



Integrated Photonics



Solar Cell Devices



Solid State laser Engineering



Photonic Sensors

