

## BIOGRAPHY & PHOTO

### **Professor Michael Damzen**

Professor Michael Damzen is Professor of Experimental Laser Physics at Imperial College London, consistently ranked as one of the top-10 Universities in the World. He is Head of the Photonics Group whose research activities including laser technology, applied optics, biomedical imaging, biophotonics, and industrial photonics applications. He is the author of over *170 publications in refereed journals, 250 Conference presentations including 40 invited talks, 8 books or book chapters, and 6 patents* in the area of lasers and nonlinear optics. He is an elected Fellow of the Optical Society of America (OSA) and an elected Fellow of the Institute of Physics (IoP) in the UK.

He has developed a number of novel high power laser architectures, technology and techniques. He currently leads a programme on the development of lasers and instrumentation applied to space and airborne atmospheric and vegetation remote sensing including for the European Space Agency (ESA). This work utilises breakthrough development of broadly wavelength-tunable diode-pumped Alexandrite laser technology operating in short pulse, high pulse rate mode. The tunable laser technology is also being configured for compact, low-cost application in biophotonics. He is Academic Founder of Midaz Lasers Ltd, and acted as Director and Chief Scientific Officer over its operational period from 2006 to its trade sale to premier scientific laser company Coherent Lasers in 2012. Midaz designed, assembled and sold engineered laser and amplifier products to the precision laser manufacturing market, incorporating patented solid-state laser technology arising from his research.



Photo of Professor Michael Damzen