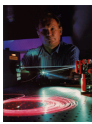


Optic fibre pioneer, Professor David Payne, receives prestigious award from the IEEE (图)

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日期: 12 March 2007. The Institute of Electrical and Electronics Engineers (IEEE), the world's largest professional association for the advancement of technology, has named Professor David Payne of the University of Southampton as the recipient of its prestigious 2007 Photonics Award. The IEEE Photonics Award was established in 2002 and David Payne is the first award outside the USA.



12 March 2007.

The Institute of Electrical and Electronics Engineers (IEEE), the world's largest professional association for the advancement of technology, has named Professor David Payne of the University of Southampton as the recipient of its prestigious 2007 Photonics Award. The IEEE Photonics Award was established in 2002 and David Payne is the first award outside the USA.

The award recognises his outstanding pioneering contributions to the development and commercialization of optic fibre based technologies for communications, sensors and high-power applications.

David Payne is director of the Optoelectronics Research Centre (ORC) at the University of Southampton. A leading international researcher who has spent his entire career spanning four decades with the University, he has generated many influential discoveries in diverse areas of photonics, from telecommunications and optical sensors to nanophotonics and optical materials.

He led the team that invented the single mode silica fibre laser and amplifier and broke the kilowatt barrier for the output power of a fibre laser. Some of the highest power fibre lasers in the world have been designed by David Payne and his team.

He has also pioneered a host of fibre components for sensor applications, involving many novel materials and devices that have significantly improved functionality. In addition, his team created the erbium doped fibre amplifier which brought about a revolution in optical fibre communications, and which underpins the Internet today.

As a leading University entrepreneur, David Payne's activities have led to a photonics cluster of nine companies surrounding the ORC, creating jobs and wealth in the local community. Two of the companies are located on the University of Southampton Science Park, namely Senso and Fibrecon. With colleagues, he founded STI Laser plc, a leading supplier of high power fibre lasers based at Hedge End, in 2004.

University of Southampton Vice-Chancellor, Professor Bill Walsham, comments: "The IEEE awards programme pays tribute to leading researchers whose exceptional achievements have made a lasting impact on technology and society. David Payne has made a huge personal contribution to developments in photonics and telecommunication and today deserves to be honoured with this award."

