

Date: Tuesday, 14 April 2015
Time: 5 - 6 p.m.
Venue: Slade Lecture Theatre (Rm 217), School of Physics, The University of Sydney

SPEAKER: ADRIAN CARTER

Nufern - from three man tech start-up to global leader and fibre supplier to the stars



In 1998 the Australian Photonics CRC decided to spin out its fibre manufacturing group into the commercial marketplace. Taking advantage of fortuitous timing the company took on new investors and commissioned a second manufacturing facility in the US. The company thrived in the telecommunications boom and narrowly survived the subsequent bust. Nufern is now headquartered in Connecticut and is a manufacturer of specialty optical fibers, fiber-optic coils, fiber lasers and amplifiers. In 2008 it was acquired the laser giant Rofin-Sinar and today employs over 170 personnel.



The central building block of kW fibre lasers; Double-clad optical fibre

Serving a diverse range of markets Nufern is the world's leading manufacturer and supplier of application specific optical fibre. Our products are employed in a diverse range of applications including telecom, medical, military/aerospace, scientific and industrial lasers. With ISO, RoHS, REACH, Telcordia and flight and mission critical space qualifications our fibres are deployed in a myriad of applications from the depths of the ocean floor to the radiation challenging applications of outer space.

Biography:

Dr. Carter was founder and General Manager of Redfern Fibres Pty. Ltd. which later became Nufern. Prior to that he was Assistant Professor and Research Associate for Lightwave Technology at Brown University.

Dr. Carter also worked as a Quality Assurance Director and Postdoctoral Fellow at the Optical Fibre Technology Center in Sydney, Australia where he focused on the design and fabrication of novel specialty optical fibers. He received his Ph.D. in Physical Chemistry and his B.S. in Mathematics and Chemistry from the University of Sydney.

Dr. Carter holds several U.S. patents and his work, particularly with respect to photosensitive and high-power fibers, has been widely published.

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