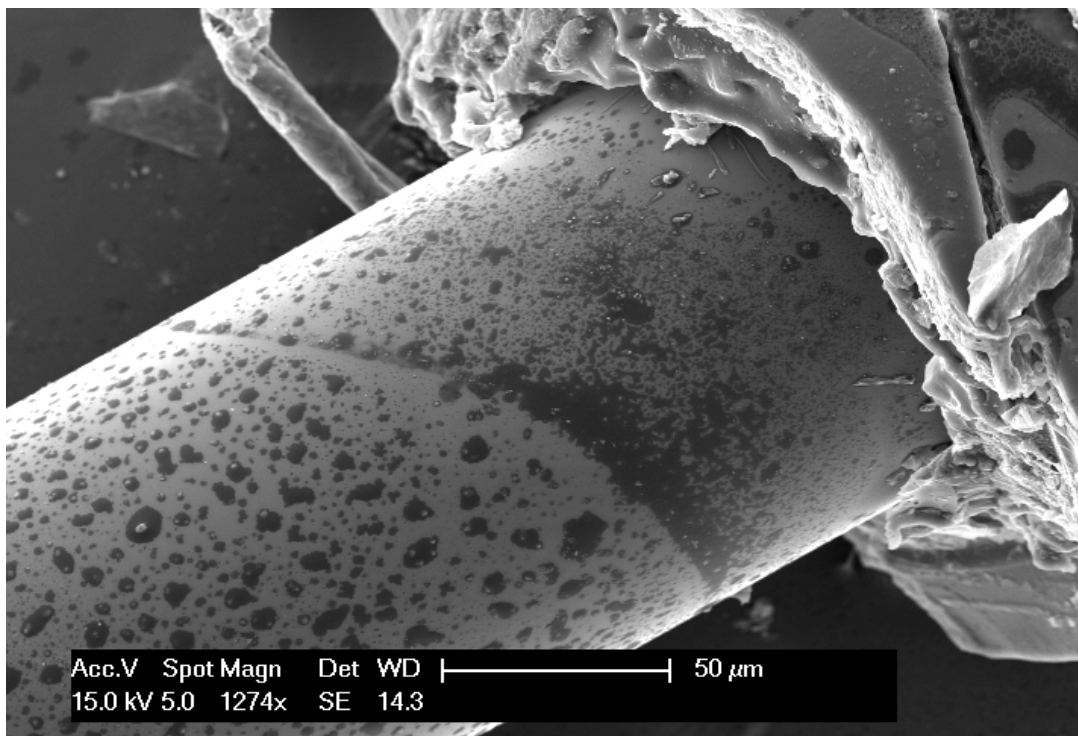


Optics and Photonics Group
Lunchtime Seminar
**“Measurements of
nutrients in water using
optical fibre sensors”**

Sándor Erdódy



1:00pm Wednesday 3rd April 2019
203 Tower building
All Welcome

http://optics.nottingham.ac.uk/wiki/Talks_2019



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Monitoring the level of nutrients in natural and waste water is extremely important from environmental and health points of view. A variety of sensing techniques for nutrients exist, but there is still a place for new ones, especially small and inexpensive. The aim of this research is to design and develop innovative sensors based on optical fibre sensing platforms, for in-situ measurements of nutrients in aquatic environment applications. The sensitivity and selectivity of optical fibre sensors to a particular chemical can be achieved by modifying the surface of an optical fibre by special materials and techniques. In this talk I will outline the progress, difficulties and challenges of nutrient optical fiber sensors development.