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Tuesday, 15th November 2016

Non-members: \$30.00; Financial members of TelSoc, EA, IEEE & IET: No charge.

[1]

☆ 110²¹

This event is fully booked or has passed.

Visit to the University of Adelaide, John R. Prescott Environmental Luminescence Laboratory (PELL) in ?The Braggs? building. Luminescence induced by ionising radiation can be used for the quantification of both ambient radiation and total absorbed radiation dose. Such "environmental dosimetry" has unique applications to Defence, National Security and Public Health. These include the forensic detection of prior exposure to radiation and the measurement of radiation dose following radiological events such as the Fukushima incident. Luminescence dosimetry is also widely applied for dating in archaeology, palaeontology and earth sciences. PELL programs also include radiation-sensitive optical fibre development for real-time radiation monitoring, novel laser-induced mineral fluorescence, and radionuclide measurement.

Further details to come.

Date and Time

Tue, 15 Nov 2016

16:15 - 18:30 ACDT

Location

The Braggs Building
The University of Adelaide
North Terrace Campus
Adelaide SA 5005
Australia

Presenter(s)

Adjunct Professor Nigel A. Spooner

Nigel holds an MSc (Physics) degree from the University of Adelaide and a DPhil. (Physics) from the University of Oxford. In 1993 he was recruited by the Australian National University to establish and head their new Luminescence Laboratory. He joined DST Group in 2002, and has established and leads the joint DST Group-University of Adelaide Luminescence Centre of Expertise, within the Institute for Photonics and Advanced Sensing.

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[2] https://telsoc.org/printpdf/1456?rate=e-VsbkoOW_YZBnze_rtsgGlxnl1asn_BKyMy_XZz28Q