

Rick TANNER



Rick a PhD in Nuclear Structure Physics from the University of Liverpool. He has been working in radiation protection since 1988, first at the National Radiological Protection Board, and then for the Health Protection Agency and currently for Public Health England. For all of this time he has been involved in external dosimetry, with focusses on personal dosimetry, area and environmental surveys, Monte Carlo modelling, cosmic rays and hot particles.

Currently, Rick runs the Radiation Metrology group, which operates the most comprehensive set of secondary standard calibration fields available in the UK. These are used for radiation protection research, in-house calibrations, type testing, annual radiation protection instrumentation tests and lead equivalence measurements. Other activities performed by the group include research into personal dosimeters and area survey instruments, nuclear site delicensing, site perimeter and other environmental radiation measurements, hot particle dosimetry, Monte Carlo modelling including shielding, retrospective dosimetry using OSL and cosmic ray dosimetry. The group plays a key role in radiation emergencies, co-ordinating and making measurements. The group has been involved in the design of the dosimeters marketed by the PHE Personal Dosimetry Services, and developed the original design of the current Thermo EPD and has designed a commercially available neutron survey meter.

Rick has been a member of EURADOS Working Groups on Computational/ Numerical Dosimetry and Track Etch Dosimetry since the early 1990s, as well as being a corresponding member of WG11 on High Energy Radiation Fields. He was an elected member of EURADOS Council and has now been the Chair of Working Group 6, Computational Dosimetry, for five years. He was a member of the organizing group for the neutron personal dosimeter intercomparison IC2012n and is also one of the organizers of IC2017n. He was also a member of the EVIDOS consortium that performed perhaps the most comprehensive survey of workplace neutron fields so far conducted.

Rick has 95 peer reviewed publications with almost 600 citations.