

Biography

Michael L.F. Lerch

Michael graduated with a PhD in solid state physics in 1998 and was an Australian NHMRC Post Doctoral Fellow from 1999-2003 at UOW. He was a founding member of the Centre for Medical Radiation Physics (CMRP) at UOW and is now the Deputy Director of CMRP. Michael applies his expertise of electronic properties of semiconductors to the design and development of novel, solid state based sensors and instrumentation for application in radiation medicine. Michael is interested in the optimization of radiation medicine created by the physical and semiconducting properties of engineered nano-structured ceramics in radiation field environments. Michael has published over 250 scientific peer reviewed journal articles and has supervised more than 45 higher degree research students to completion since 2004. He is the immediate-past Chair of the Australian Institute of Physics NSW Branch, and is currently an elected member of the IEEE Radiation Instrumentation Steering Committee as well as the International Solid State Dosimetry Organisation.