

NANO KOREA 2020

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EDUCATION

University of Sheffield	Ph.D	Physical Chemistry	2005
University of Nottingham	MSci	Chemistry and Molecular Physics	1999

PROFESSIONAL ACTIVITIES

- Chair UK nanotechnologies standards committee (BSI/ NTI/1).
- UK head of delegation of ISO TC229 (nanotechnologies) and CEN TC 352
- Liaison officer between ISO TC201 (surface chemical analysis) and ISO TC229
- Chair: strategy group of ISO TC 229 JWG2 on measurement and characterisation
- Secretary of BSI committee CII/60 on surface chemical analysis
- Working group convenor of ISO TC201/SC9/WG3 SPM probe properties
- Vice-chair VAMAS TWA2 (surface chemical analysis)
- UK RMS committee member (2015- present)
- PI: EMPIR ISO GScope (2020-2024)

AWARD AND HONORS

- Fellow of Royal Microscopical Society
- NPL Rayleigh award

MAIN SCIENTIFIC PUBLICATION

- Development of 4 ISO standards and 1 CEN standard
- ISO/TS 80004-13:2017 Nanotechnologies -- Vocabulary -- Part 13: Graphene
- ISO 11775:2015 Determination of cantilever normal spring constants
- International standards in nanotechnologies, CA Clifford, M Stinz, VD Hodoroba, WES Unger, T Fujimoto. Characterization of Nanoparticles, 511-525, 2020.

RESEARCH INTERESTS

- Standardisation of surface chemical analysis, nanotechnologies and 2D materials
- SPM of soft samples, particles, nano-objects and biomaterials
- Graphene, 2D materials characterization
- Applying surface analysis techniques to solve industrial problems