Workshop on Enabling Technologies for 6G & Beyond

16th September 2026, CG11 Collegue Building, Middlesex University

9:00-9:15: Arrival, Coffee and Networking
9:15-9.25 AM - Welcome Note by Chair *Prof. Huan Nguyen, Middlesex University, UK*
9:25-9.55 AM - Quantising the topological problem implicit in beamforming: A proposed 3 stage approach *Prof. David Windridge, Middlesex University, UK*
9.55-10.25 AM - Quantum Machine Learning *Prof. Vinod Sharma, Institution of Eminence in Greater Noida, UP, India*
10:25-10.55 AM - 6G Non-Terrestrial Networks for Ubiquitous Connectivity *Prof. Aryan Kaushik, OUF Innovative, UK, ComSoc TWG-ESIT Chair and one6G WG3 Vice Chair*
10.55-11.25 AM - Coffee and Networking Break
11.25-11.55 AM - Programmable Electromagnetic Objects with Fluid Antenna Systems: From Stealth to Intelligent Sensing Prof. Kai-Kit Wong, University College London, UK
11.55-2.00 PM - Lunch Break & Networking
2.00-2.30 PM - Beam-Centric Radio Network Architecture: Beyond the Cell-Centric Paradigm *Dr Duc To, Rakuten Symphony, UK*
2.30-3.00 PM – Reconfigurable Intelligent Surfaces: An Alternative Perspective on Configuration *Dr Son Dinh-Van, Warwick University, UK*
3.00-3.30 PM – Coffee and Networking
3.30-4.00 PM – Quantum-Enabled Digital Twins for 6G Networks: Optimization, Learning, and Open Research Directions *Dr Dang Van Huynh, University of Information Technology, Vietnam National University Ho Chi Minh City, VN*
4.00-4.30 PM – TBC

Prof. Brejesh Lall, Indian Institute of Technology Delhi
4.30-5.00 PM – Closing Remarks by the Chair

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- *Project "UK-Vietnam TNE to Accelerate Research-Informed Teaching in Digital Twins, Next-Generation Wireless, and Quantum Technologies," funded by British Council, Going Global Partnerships 2025 (grant ID: TNE2025-4791).*
- *Project BEAM-RAN, "Beam-centric and cell-less architecture for 6G and beyond: Quantum-enhanced Digital Twin for intelligent network functions in Open RAN," funded under the International Science Partnership Fund (ISPF) via UKRI EPSRC (grant ID: UKRI554) under the UKI-FNI's pilot project 'BEAM-RAN' (UEA ref: R213867).*
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