No.	Faculty Name	Research Interest	Project Title	Remarks
1	**Wonkeun Chang** Email: wonkeun.chang@ntu.edu.sg Website: https://dr.ntu.edu.sg/entities/person/Wonkeun-Chang	Ultrafast optics, Hollow-core optical fibers, Nonlinear fiber optics, High-power lasers	Advanced ultrafast photonics: Laser design, synchronization, and nonlinear light generation	
2	**(Steve) Cuong Dang** Email: hcdang@ntu.edu.sg Website: https://personal.ntu.edu.sg/hcdang	Light matter interaction. Strong coupling, Nanophotonics, Moire structure, Twistronics. Optoelectronic devices https://personal.ntu.edu.sg/hcdang/research.html	Light matter interaction with Advanced Nanophotonic Structures Computational Imaging through strongly diffusive media	Please feel free to share with me your CVs
3	**Gao Weibo** Email: wbgao@ntu.edu.sg Website:	Quantum information, 2D materials, Quantum photonics, electronic engineering	Integrated Quantum Devices Integrated Quantum Devices 2 2D entangled photonics sources Telecome single photon emitter Quantum security	

4	**Lee Seok Woo** Email: sw.lee@ntu.edu.sg Website: https://sites.google.com/site/seokwooleenanoenergy/home	Nanomaterials for energy storage and harvesting	Nanostructured silicon anode for all solid-state batteries	
5	**Tan Chuan Seng** Email: tancs@ntu.edu.sg Website: https://dr.ntu.edu.sg/entities/person/Tan-Chuan-Seng	Integration of silicon microelectronics and silicon photonics	Heterogeneous integration of electronics and photonics	This is part of National Center for Advanced Integrated Photonics (NCAIP)
6	**Wen Bihan** Email: bihan.wen@ntu.edu.sg Website: https://personal.ntu.edu.sg/bihan.wen/ https://www.ntu.edu.sg/rose/about-us/our-people#Content_C002_Col00	Machine Learning, Artificial Intelligence, Computational Imaging, Computer Vision	Foundation Model of Multi-Modality Sensing for Weather Modeling, Disaster Monitoring Foundation Model for Synthetic Aperture Radar Imaging and Visual Grounding	Good Background on Math and Coding; Experience in Deep Learning/AI, with top-tier paper publication; Interesting candidates shall send their CV to the PI's email: bihan.wen@ntu.edu.sg

7	**Wang Qijie** Email: qjwang@ntu.edu.sg Website: https://personal.ntu.edu.sg/qjwang/home.html	Photonics and microelectronics	mid-infrared and Terahertz photonics and nanophotonics	
8	**Hilmi Volkan Demir** Email: hvdemir@ntu.edu.sg Website: https://www.ntu.edu.sg/luminous	Our research focuses on establishing the device-level foundations for next-generation extreme-ultraviolet (EUV) light sources and EUV photonic systems. This includes developing frameworks for EUV generation and EUV meta-optics as well as engineering the critical emission components —cathodes, anodes, and multilayer structures— and advancing chip-scale EUV source technologies toward proof-of-concept EUV nanopatterning applications.	Theoretical Framework for EUV Meta-Optics Developing a comprehensive theoretical foundation for extreme-ultraviolet (EUV) meta-optical systems and light–matter interactions. Design and Integration of Critical EUV Device Components Investigating and engineering key device elements—including the anode, cathode, and system-level integration—for optimal EUV emission performance. Proof-of-Concept Nanopatterning via Chip-Scale EUV Sources Demonstrating a prototype nanopatterning platform utilizing chip-integrated EUV emitters.	

9	**Wang Lipo** Email: elpwang@ntu.edu.sg Website: https://personal.ntu.edu.sg/elpwang/	Machine learning/AI with applications to biomedical signal/image processing	Machine learning for biomedical image processing	Prospective students should satisfy the requirements of NTU Interdisciplinary Graduate Programme (IGS, https://www.ntu.edu.sg/graduate-college/admissions/programme/interdisciplinary-graduate-programme)
10	**Daniel Bennett** Email: daniel.bennett@ntu.edu.sg	Theory and simulation of 2D Materials: Twistronics, ferroelectricity, magnetism, multiferroic order, topological phases. Density functional theory, continuum modelling, machine learning methods.	Theory and Simulation of Multifunctional Nanomaterials	
11	**Tan Eng Leong** Email: eeltan@ntu.edu.sg Website: https://personal.ntu.edu.sg/eeltan/	Electromagnetics, antenna design, RF/microwave circuit design	Physics-based modelling of ionospheric plasma dynamics for accurate positioning and navigation. Design, analysis and optimization of high-performance antennas and computational electromagnetics/quantum.	Interest in electromagnetics and quantum

12	**Zhang Yujie** Email: yujie.zhang@ntu.edu.sg Website: https://scholar.google.com/citations?hl=zh-TW&user=020190QAAAAJ https://zhang-yujie-jerry.github.io/	Advanced antenna technology, applied electromagnetics, and RF/microwave circuit design for next-generation wireless communications and IoT systems.	Smart Antennas for 6G Integrated Sensing and Communication Systems Electromagnetic Inverse Design with Physics-Assisted Artificial Intelligence	
13	**Mohammad Samizadeh Nikoo** Email: mohammad.sn@ntu.edu.sg Website: https://sites.google.com/view/ilabntu	Nano-electronics, Terahertz, Quantum electronics	Next-Generation Nanoelectronic Devices for High-Capacity Terahertz Telecommunications Ultrafast and Energy-Efficient Cryogenic Electronics for Scalable Quantum Computers	
14	**Erick Lansard** Email: erick.lansard@ntu.edu.sg Website: https://www.linkedin.com/in/dr-erick-lansard-55b71115/	Climate Change, Disaster Monitoring and Remote sensing from Space with CubeSats/MicroSats	Remote Sensing of Tropical Waters from Space	Prof Erick Lansard is working in close collaboration w NTU/EEE/Satellite Research Centre (SaRC) and with NTU/Asian School of Environment and NTU/Earth Observatory of Singapore (EOS)

15	**Liang Jie Wong** Email: liangjie.wong@ntu.edu.sg Website: https://sites.google.com/view/ljwgroup	Quantum nanophotonics, computational nanophotonics, computational electromagnetism, quantum electrodynamics, X-ray photonics, EUV lithography	Nanophotonic scintillators for positron emission tomography	
			Computational nanophotonics for next-generation extreme ultraviolet sources	
			Computational quantum nanophotonics for next-generation X-ray sources	
16	**Chae Sanghoon** Email: sanghoon.chae@ntu.edu.sg Website: https://sites.google.com/view/sanghoonchae/home	Integrated Photonics, Semiconductor, Nanomaterials	Photonic Integrated Circuits for Novel Information Processing	