

**2026年度臺波(NSTC-NCBR)雙邊協議國際合作計畫核定補助名單**  
**2026 NSTC-NCBR (National Centre for Research and Development) List of Joint Research Projects**

No.	Department_NSTC	Project Title	PI in Taiwan	Institute in Taiwan	PI in Poland	Institute in Poland
1	工程處 Engineering	應用於資源受限裝置之具機器學習攻擊抵抗性輕量級準強型PUF設計研究 Lightweight Quasi-Strong PUF for Resource-Constrained Devices with ML Attack Resistance	謝東佑 Tong-Yu Hsieh	國立中山大學積體電路設計研究所 Institute of Integrated Circuit Design, National Sun Yat-Sen University	Mariusz Rawski	Warsaw University of Technology
2	工程處 Engineering	質子傳輸型直接氨固態氧化物燃料電池之正極開發與優化 Positrode Development and Optimization for Direct Ammonia Protonic Solid Oxide Fuel Cells	李勝偉 Sheng-Wei Lee	國立中央大學材料科學與工程研究所 Institute of Materials Science and Engineering, National Central University	Aleksandra Mielewczyk-Gryn	Gdansk University of Technology
3	工程處 Engineering	石墨烯-基底薄膜與替代鹽溶液之壓力延遲滲透技術開發與應用 Development of Graphene-Based Membranes and Alternative Salt Solutions for Pressure-Retarded Osmosis Applications	洪維松 Wei-Song Hung	國立臺灣科技大學應用科技研究所 Graduate Institute of Applied Science and Technology, National Taiwan University of Science and Technology	Piotr Łapka	Warsaw University of Technology
4	工程處 Engineering	鈣鈦礦太陽能電池穩定性之SnO2界面研究 SnO2 Interface for Perovskite Energy Reliability	黃裕清 Yu-Ching Huang	明志科技大學材料工程系 Department of Materials Engineering, Mingchi University of Technology	Damian Głowienka	Gdańsk University of Technology, Faculty of Applied Physics and Mathematics
5	工程處 Engineering	雙向直流-直流轉換器能效改善 Improvement of Bidirectional DC-DC Converters Energy Efficiency	邱煌仁 Huang-Jen Chiu	國立臺灣科技大學電子工程系 Department of Electronic Engineering, National Taiwan University of Science and Technology	Marek Turzynski	Gdansk University of Technology
6	工程處 Engineering	綠色燃料：開發以沼氣為燃料的新穎燃料電池堆 GREEN-FUEL: Innovative Fuel Cell Stacks Powered by Biogas	王錫福 Sea-Fue Wang	國立臺北科技大學材料及資源工程系 Institute of Materials and Mineral Resources Engineering, National Taipei University of Technology	Jakub Karczewski	Gdansk University of Technology
7	工程處 Engineering	應用於低溫直接氨燃料電池奈米混成Ni基陽極催化劑之製備與量測 High-performance catalysts for ammonia oxidation in DAFCs	林中魁 Chung-Kwei Lin	臺北醫學大學牙體技術學系 School of Dental Technology, Taipei Medical University	Artur Małolepszy	Warsaw University of Technology
8	自然處 Natural Sciences	界面材料於高性能溶液製程鈣鈦礦與有機太陽能電池之應用 Interfacial Materials for High-Performance Solution-Processed Perovskite and Organic Photovoltaic Cells	陳志平 Chih-Ping Chen	明志科技大學材料工程系 Department of Materials Engineering, Mingchi University of Technology	Ireneusz Kownacki	Adam Mickiewicz University in Poznan
9	自然處 Natural Sciences	穩固型中性原子量子感測模組開發與製備 Rugged Atomic Quantum Sensors (RAQS)	陳俊嘉 Chun-Chia Chen	中央研究院原子與分子科學研究所 Institute of Atomic and Molecular Sciences, Academia Sinica	Sławomir Bilicki	Institute of Physics, Nicolaus Copernicus University
10	自然處 Natural Sciences	創新整合GNSS水氣反演技術之劇烈天氣研究 Innovative moisture retrieval from integrated GNSS observations as a key to understanding severe weather events	陳舒雅 Shu-Ya Chen	國立中央大學全球定位科學與應用研究中心 GPS Science and Application Research Center, National Central University	Estera Trzcina	Institute of Geodesy and Geoinformatics, Wrocław University of Environmental and Life Sciences
11	生科處 Life Sciences	開發硒奈米粒絲膠複合材料修復軟骨損傷之研究 Composites Repairing cartilage enriched in Selenium nanoparticles and Sericin	楊凱強 Kai-Chiang Yang	臺北醫學大學牙體技術學系 School of Dental Technology, Taipei Medical University	Joanna Kolmas	Medical University of Warsaw