S/N	Project Title	Lead PI	Host Institution
2025 T-CRP			
1	Orbital currents and torques for spin memory applications	Yang Hyunsoo	NUS
2	Reservoir-Enabled Materials-Based Robotics (REMBots): Integrating Foundation Models, Resource-Constrained AI, and Continuous Sensor Feedback for Terrestrial & Aerial Manipulation	Pablo Alvaro Valdivia y Alvarado Gutierrez	SUTD
3	Predictive Platform for Thermal Transport in Advanced Nanoengineered Systems	Yong-Wei Zhang	A*STAR Research Entities (ARES)
4	Electrostatic/Piezoelectric Hybrid-Actuated CMOS-compatible Nano Optomechanical Building Blocks and Technology Platform for Next-Generation Optical IoT Sensing / Communication Systems	Chengkuo Lee	NUS
5	Bridging the Deployment Gap with Generative AI	Harold Soh Soon Hong	NUS
6	Generative AI-Driven Topological Filter Design: A Paradigm Shift	Zheng Yuanjin	NTU
7	Atomic Scale Engineering of Nonreciprocal Devices Towards THz Sensing	Ivan Verzhbitskiy	A*STAR Research Entities (ARES)
8	Biologically Inspired Embodied AI Action Architecture	Yau Wei Yun	A*STAR Research Entities (ARES)