List of Potential Hosting Institutions for Professor Charles K. Kao Research Exchange Scholarship 2026

Code No.	Institution	Department/Professor Nominated	Topics/Areas of the Research Project	Student Place(s) Available
1	University of Sydney, Australia	**Prof. Ken Tye Yong** Professor School of Biomedical Engineering Website: https://www.sydney.edu.au/engineering/about/our-people/academic-staff/ken-yong.html	Biophotonics and Mechano Bioengineering	1-2
2	University of California, Los Angeles, USA	**Prof. Tony Nowatzki** Associate Professor Computer Science Website: https://web.cs.ucla.edu/~tjn/	GPU Programming Language/Compiler/Hardware extensions for locality in emerging AI workloads; Accelerator Compiler Stacks	1-2
3	Singapore University of Technology and Design, Singapore	**Prof. Peng Song** Assistant Professor Pillar of Information Systems Technology and Design (ISTD) Website: https://www.sutd.edu.sg/profile/song-peng/	In-situ Shape Design with Mixed Reality	1

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4	Monash University, Melbourne, Victoria, Australia	**Prof. Tien-Tsin Wong** Professor Department of Data Science & Artificial Intelligence Website: https://research.monash.edu/en/persons/tien-tsin-wong/	Generative AI; Computer Graphics; and Computer Vision.	1
5	Stevens Institute of Technology, Hoboken, USA	**Prof. Hao Wang** Assistant Professor Department of Electrical and Computer Engineering Website: https://www.stevens.edu/profile/hwang9	LLM Security; LLM Training/Serving Systems	2
6	University of Wisconsin, Madison, USA	**Prof. Tsung-Wei Huang** Associate Professor Department of Electrical and Computer Engineering Website: https://tsung-wei-huang.github.io/	Electronic design automation; quantum computing; and machine learning	1-2

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7	University of Maryland, College Park, USA	**Prof. Yizheng Chen** Assistant Professor Department of Computer Science Website: https://surrealyz.github.io/	AI Security #1: Secure Code Generation with LLMs - Enabling AI Coding Assistants to generate secure code #2: Vulnerability Reasoning - Benchmarking vulnerability reasoning capability of LLMs	2
8	University of Warwick, UK	**Prof. Emma MacPherson** Professor Department of Physics Website: https://warwick.ac.uk/fac/sci/physics/staff/academic/emacpherson/	Robot-assisted positioning of TeraHertz probes for patient imaging	1
9	National Yang Ming Chiao Tung University, Taiwan	**Prof. Chow Chi Wai** Full Professor Department of Photonics Website: https://scholar.nycu.edu.tw/en/persons/chi-wai-chow	Optical Wireless Communication (OWC)	1

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10	University of Georgia, USA	**Prof. Mable Fok** Professor School of Electrical and Computer Engineering Website: https://engineering.uga.edu/team_member/mable-fok/	Soft robotics and fiber optic sensing	1-2
11	National Taiwan University of Science and Technology (NTUST), Taiwan	**Prof. Po Ting Lin** Professor of Department of Mechanical Engineering Director of Global Development Engineering Program (GDEP) Director of International Advanced Technology Program (IATP) Director of Center for Intelligent Robotics (CIR) National Taiwan University of Science and Technology (NTUST) Website: https://ntustmedal.wordpress.com/	Robotics	1
12	University of New South Wales, Australia	**Dr. Liao Wu** Senior Lecturer (Robotics) School of Mechanical and Manufacturing Engineering Faculty of Engineering Website: https://www.drliaowu.com/	Robotics	1-2

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13	National University of Singapore, Singapore	**Prof. Yi Hou** Presidential Young Professo Chemical and Biomolecular Engineering National University of Singapore Website: https://blog.nus.edu.sg/yihoulab/	Perovskite Solar Cells, Tandem Solar Cells	1-2
14	University of Potsdam, Germany	**Prof. Dieter Neher** Permanent Professor Soft Matter Physics and Optoelectronics Website: https://www.uni-potsdam.de/en/pwm/index	Development of high-performance perovskite, organic, and tandem solar cells processed from solution. Characterization of charge transport and recombination with optoelectronic methods, and numerical simulations.	1-2
15	Simon Fraser University, British Columbia, Canada	**Prof. Sze Yiu Chau** School of Computing Science	Network security and measurements; Security of software implementations and deployments; AI for security; Usable security and privacy	2

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16	The University of Manchester, UK	**Prof. Zhenhong Li** Lecturer (Assistant Professor) Department of Electrical & Electronic Engineering Website: https://research.manchester.ac.uk/en/persons/zhenhong-li/	Robotics, Rehabilitation robot Multi-agent systems Distributed optimization	1
17	University of Utah, USA	**Prof. Shuaihang Pan** Assistant Professor Department of Mechanical Engineering Website: https://loam.mech.utah.edu/loam-manufacturers/	Metal/Alloy additive manufacturing (AM); Service failure and degradation (wear, oxidation, and corrosion) of AMed metals and alloys; Fundamental studies of surface and interface phenomena in AMed	1-2
18	Northwesten University, USA	**Prof. Ping Guo** Associate Professor Department of Mechanical Engineering Website: https://pingguo.mech.northwestern.edu/	Ultrasonic vibration machining; Structural coloration; Solid-state powder production; Machine learning-based metrology; Photometric stereo; Digital image correlation	1-2

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19	Syracuse University, USA	**Prof. Aoyi Luo** Assistant Professor Department of Mechanical and Aerospace Engineering Website: https://ecs.syracuse.edu/faculty-staff/aoyi-luo-starting-fall-2023	Microtransfer printing processes; Variable stiffness structures and mechanisms; Adhesion-based soft robotic grippers	1
20	University of California, Berkeley, USA	**Prof. Koushil Sreenath** Associate Professor Department of Mechanical Engineering Website: https://me.berkeley.edu/people/koushil-sreenath/	Legged and Humanoid Robotics Aerial Robotics Embodied AI Robot Learning Control Theory (Geometric Control, Nonlinear Control, Safety-Critical Control)	1-2
21	Simon Fraser University, Canada	**Prof. Xue Bin (Jason) Peng** Assistant Professor School of Computing Science Website: https://xbpeng.github.io/	Computer Graphics Machine Learning Reinforcement Learning for Motion Control of Simulated Characters Embodied AI Legged and Humanoid Robotics	1-2

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22	University of Edinburgh, UK	**Prof. Sotirios Sabanis** Professor School of Mathematics Website: https://www.maths.ed.ac.uk/school-of-mathematics/people/a-z?person=22	Generative models, nonconvex optimization, stochastic differential equation (SDE) approximation	1
23	UNIST, South Korea	**Prof. Dong-Young Lim** Assistant Professor Department of Industrial Engineering Artificial Intelligence Graduate School Website: https://sites.google.com/view/dlim/home	Optimization theory, deep learning theory/methodology, or AI applications in science; specifically, - Neural SDE - multiscale PDE - physics-informed diffusion models - LLM and hallucination model compression	1
24	UNIST, South Korea	**Prof. Marco Comuzzi** Associate Professor Department of Industrial Engineering Website: https://marco-comuzzi.github.io/	Process mining and blockchain	1