List of Potential Hosting Institutions for Professor Charles K. Kao Research Exchange Scholarship 2025

Code No.	Institution	Department/Professor Nominated	Topics/Areas of the Research Project	Student Place(s) Available
1	University of Washington, USA	**Dr. Ruikang (Ricky) Wang** Department of Bioengineering Lab website: https://depts.washington.edu/wangast/	Eye imaging; medical imaging	1-2
2	Monash University, Australia	**Prof. Adeel Razi** Monash Psychological sciences Monash Data Futures Institute Website: https://research.monash.edu/en/persons/adeel-razi	Computational neuroscience; brain mapping and modelling; neuro-inspired AI; active inference	1-2
3	New Zealand College of Chiropractic, Auckland, New Zealand	**Dr. Imran Khan Niazi** Director CCR Centre for Chiropractic Research (CCR) Website: https://chiropractic.ac.nz/research/research-team/	Bio signal processing; understanding mechanism of manual therapies using applied neurosciences approaches; machine learning with wearable data and bio signals like EEG, EMG, ECG); rehab tech development	2-4

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4	New Jersey Institute of Technology, USA	**Prof. Mengqiang (Mark) Zhao** Assistant Professor Otto H. York Department of Chemical and Materials Engineering Website: https://people.njit.edu/faculty/mz24	Low-Dimensional Materials for Electronics and Biosensors	1-2
5	National Tsing Hua University, Taiwan	**Prof. Hsu-Hsia Peng** Department of Biomedical Engineering and Environmental Sciences Website: https://sites.google.com/view/mrm412/	Magnetic resonance imaging; deep Learning and Machine Learning in Biomedical Imaging	1-2
6	National University of Singapore, Singapore	**Prof. Yueming Jin** Department of Biomedical Engineering and Department of Electrical and Computer Engineering Website: https://yuemingjin.github.io/	Fast reconstruction of deformable tissue in surgical scene via neural radiance fields	1

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7	University of Maryland, College Park, USA	**Prof. Yizheng Chen** Department of Computer Science Website: https://surrealyz.github.io/	AI Security: 1. Benchmarking LLM Agents for Vulnerability Detection, Analysis, and Patching 2. Enabling AI Coding Assistants to Generate Secure and Correct Code 3. Measuring and Achieving	3
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** 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	Monash University, Australia	**Prof. John Tsz Hon Yuen** Associate Professor Department of Software Systems and Cybersecurity Website: https://research.monash.edu/en/persons/john-yuen	Cryptography Cybersecurity Fintech	1-2

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16	Monash University, Australia	**Prof. Joseph Liu** Professor Department of Software Systems & Cybersecurity Website: https://research.monash.edu/en/persons/joseph-liu	Blockchain Applied Cryptography	1-2
17	Aalto University, Finland	**Prof. Russell W. F. Lai** Assistant Professor Department of Computer Science Website: https://russell-lai.hk/	Cryptography	1-2
18	National University of Singapore, Singapore	**Prof. Zhao Lin** Assistant Professor Department of Electrical and Computer Engineering Website: https://cde.nus.edu.sg/ece/staff/zhao-lin/	Control and Automation, Unmanned Systems, Aerial robots, information fusion, navigation and path planning, multi-agent systems, artificial intelligence	2

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19	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
20	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
21	UNIST, South Korea	**Prof. Marco Comuzzi** Associate Professor Department of Industrial Engineering Website: https://marco-comuzzi.github.io/	Process mining and blockchain	1