



Undergraduate Research Opportunities Program
The 8th UROP Mini-Conference (Fall 2025-26)
Rundown

Date: 1 December 2025 (Monday)

Time: 10:00am – 4:30pm

Venue: Classrooms 2303 & 2304 (Lift 17 / 18)

Time	Rundown
9:50pm – 10:00am	Arrival of Students and Supervisors
10:00am	Start of Conference
10:00am – 10:30am	Keynote Session Title: From UG to PG, From Learning to Research Speaker: Prof. YANG Yansong / ECE
10:30am	Poster Presentation Sessions (by the order of students' School/Department and/or supervisors' availability) <i>10-minute presentation</i> <i>3-minute Q&A session</i>
10:30am – 10:45am	1. LI Jiayun / ISD Integration of Proprioceptive and Tactile Sensors in a Soft Robotic Actuator Supervised by: Prof. SCHARFF Rob Bernardus Nicolaas / ISD
10:45am – 11:00am	2. XU Ziyi / ISD Behavior-Aware Mobile Sensing for User State Estimation Supervised by: Prof. SHAO Qijia / ISD
11:00am – 11:15am	3. ZHOU Yukai / MATH Generative AI Supervised by: Prof. CHEN Qifeng / CSE
11:15am – 11:30am	4. WANG Yifan / DSCT Generative AI Supervised by: Prof. CHEN Qifeng / CSE
11:30am – 11:40am	<i>Break</i>
11:40am – 11:55am	5. LI Yu Hong Harry / COMP Programming Language Design and Implementation Supervised by: Prof. PARREAUX Lionel / CSE
11:55am – 12:10pm	6. CHEN Yuanzhong / COSC The Future of Medical Imaging: Advancements in Analysis through Vision Language and Large Models Supervised by: Prof. CHEN Hao / CSE
12:10pm – 12:25pm	7. XIE Zequan / COSC The Application of BIG DATA technologies in Precision Cancer Medicine Supervised by: Prof. WANG Jiguang / LIFS
12:25pm – 12:40pm	8. MENG Tianxi / ELEC AI-driven Design and Nano/microfabrication Technologies for Radio Frequency Devices Supervised by: Prof. YANG Yansong / ECE
12:40pm – 12:55pm	9. IP Yan Hei / COSC KOO Ho Yin / COSC Physics-guided Data-driven Modeling to Understand Complex Phenomena and to Solve Real-world Problems Supervised by: Prof. ZHANG Rui / PHYS Co-supervised by: Prof. LI Sai Ping / LIFS

12:55pm – 1:10pm	10. NGUYEN Viet Phong / PHYS Quantum Sensing with NV Center in Diamond for Many Body Physics Supervised by: Prof. YANG Sen / PHYS
1:10pm – 1:15pm	Group Photo Session
1:15pm – 2:00pm	Lunch
2:00pm – 2:15pm	11. ZHUANG Boyi / BCB Exploring the Mechanisms of the Reverse Development of Immortal Jellyfish Turritopsis Supervised by: Prof. WU Longjun / OCES
2:15pm – 2:30pm	12. KO Ching Chi / BCB Human Complex Disease Genomics and Bioinformatics Supervised by: Prof. LIANG Chun / LIFS Co-supervised by: Prof. XUE Hong / LIFS
2:30pm – 2:45pm	13. TASNEEM Maisha / BIOT Human Complex Disease Genomics and Bioinformatics Supervised by: Prof. LIANG Chun / LIFS Co-supervised by: Prof. XUE Hong / LIFS
2:45pm – 3:00pm	14. SO Chun Hin / COGBM Efficient Queries over Database Supervised by: Prof. WONG Raymond Chi Wing / CSE
3:00pm – 3:10pm	Break
3:10pm – 3:25pm	15. ZHANG Tianrui / COSC Open World Understanding based on Large Vision-Language Models Supervised by: Prof. XU Dan / CSE
3:25pm – 3:40pm	16. LU Yunyang / ELEC Efficient Combinatorial Optimization Solver Based on Novel Spintronic Devices Supervised by: Prof. SHAO Qiming / ECE
3:40pm – 3:55pm	17. HUANG Zhenghao / ELEC AI Enhanced Smart Design Manufacturing and Robot Supervised by: Prof. SHEN Yajing / ECE
3:55pm – 4:10pm	18. ZHANG Zhiruo / IS Sustainable Finance Supervised by: Prof. MOREAU Quentin Bertrand Arthur / ENVR
4:10pm – 4:25pm	19. WANG Wanping / RMBI On Identifying Web3 Business Opportunities and Challenges Supervised by: Prof. LEE Dongwon / ISOM
4:25pm – 4:30pm	Group Photo Session End of Conference
