

In the spotlight

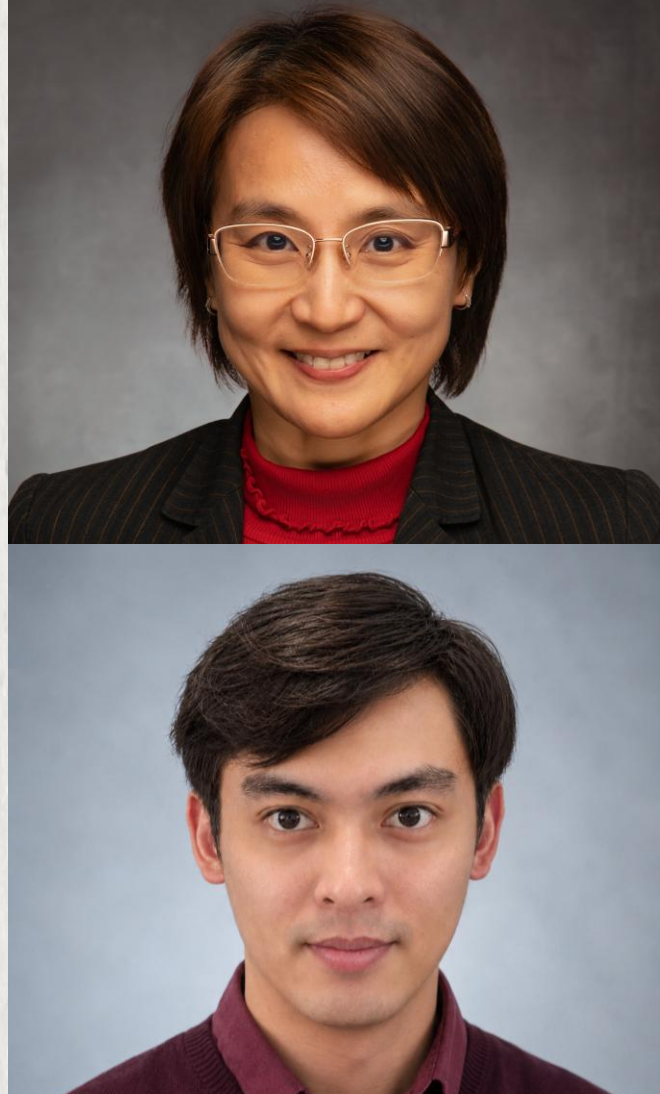
Factors influencing older adults' intention to use social chatbots: Examining technology acceptance, anthropomorphism, authenticity, and artificial intelligence social interaction

Innovation in Aging

SUTD Authors: Ka Lon Sou, Wei Quin Yow, Matthew Zhi Yuan Lau, Fuxi Ouyang

This study explores what motivates older adults to use social chatbots for companionship. The research reported 140 seniors interacting with a social chatbot and surveyed their reactions. Older adults were most likely to use the chatbot when they felt the technology was easy to use and genuine. The closer the interaction with the chatbot was felt, the higher the adoption intentions. However, making the chatbot look or act too human actually reduced their intentions. Interestingly, older adults with poorer health were more motivated to use the chatbot. One possible explanation was that the older adults with poorer health used the chatbot to fill unmet physical and social needs.

The study highlights that designing age-friendly chatbots requires balancing authentic, relatable interactions with simple usability. Developers must prioritize genuine conversation while avoiding overly human-like features that might unsettle older users.



"Developers must prioritize genuine conversation while avoiding overly human-like features that might unsettle older users."

- Yow Wei Quin



BEFORE THEY'RE GONE

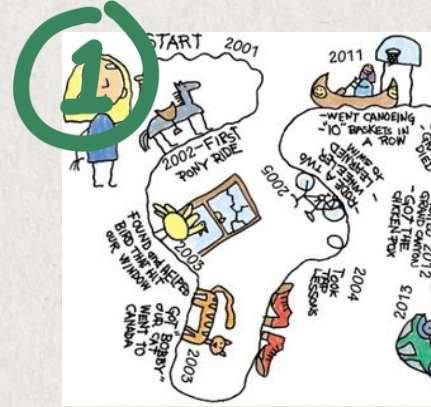
We'll be saying goodbye to a few resources as their subscriptions come to an end:

Bloomberg Terminal: access till 10 Sep 26
The Chronicle of Higher Education: access till 30 Sep 26

If you use these resources, please save any materials you may need before access ends.

LSEG Workspace and Bloomberg.com Academic have been added as alternatives to Bloomberg Terminal. Reach out to us if you need help exploring alternative resources.

TRAILBLAZERS

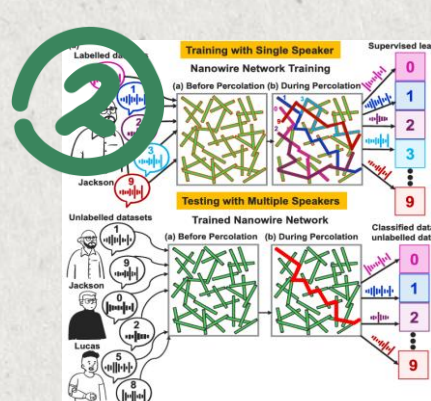


Human or AI? Comparing Design Thinking Assessments by Teaching Assistants and Bots

2025 IEEE International Conference On Teaching, Assessment, And Learning For Engineering, Tale

SUTD Authors: Sumbul Khan, Liow Wei Ting, Ang Lay Kee

SMT

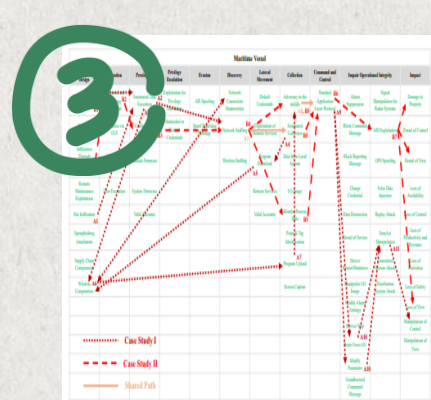


Memristive nanowire reservoir modeling for compressed audio feature extraction and neuromorphic classification: Potential for edge AI applications

Apl Machine Learning

SUTD Authors: Akshaya Rajesh, Pavithra Ananthasubramanian, Nagarajan Raghavan, Ankush Kumar

nano-Macro Reliability Lab (nMRL), EPD



MariOT Matrix for maritime cybersecurity

Journal Of Transportation Security

SUTD Authors: Andy Liang Tay Wei, Awais Yousaf, Feng Lu, Zhou Jianying

iTrust, Centre for Research in Cyber Security

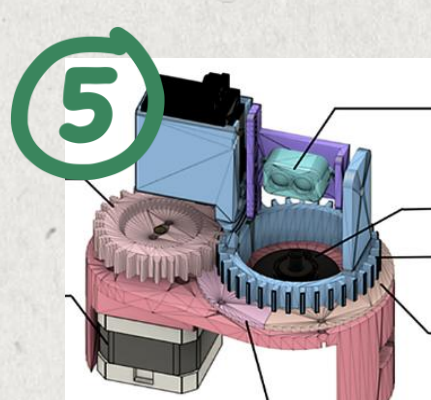


To Use or to Refuse? Re-Centering Student Agency with Generative AI in Engineering Design Education

2025 IEEE International Conference On Teaching, Assessment, And Learning For Engineering, Tale

SUTD Authors: Willems Thijs, Huang Qian, Poon King Wang, Sumbul Khan, Bradley Camburn, Nachamma Sockalingam

LKYCIC, SMT, EPD, Office of Strategic Planning

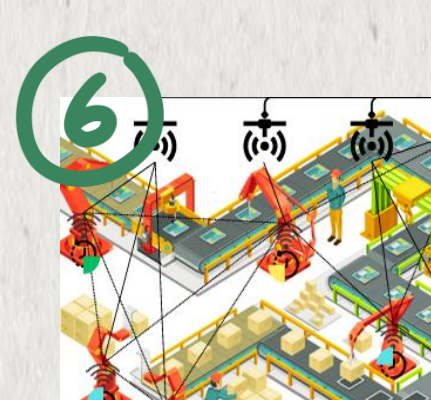


Development and Evaluation of a Reconfigurable 3D LiDAR Sensor for Improved Perception in Autonomous Systems

Sensors

SUTD Authors: Bagathi Nithul, Kotaprolu Sai Smaran, Prabakaran Veerajagadheswar, Rajesh Elara Mohan

EPD

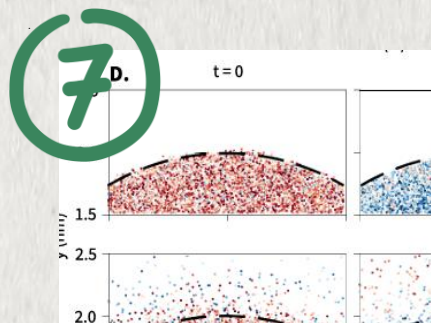


Scalable Interference Graph Learning for Low-Latency Wi-Fi Networks Using Hashing-Based Evolution Strategy

IEEE Transactions On Mobile Computing

SUTD Authors: Gu Zhouyou, Park Jihong

ISTD

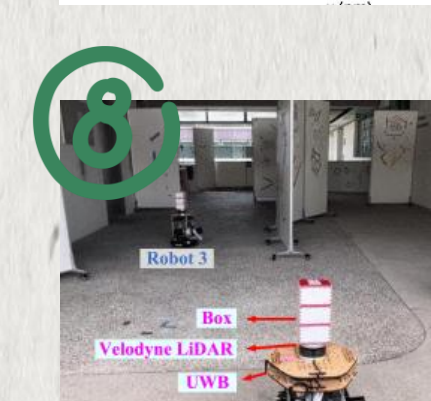


Particle-in-cell simulations of quantum plasmas

Computer Physics Communications

SUTD Authors: Gregory K. Ngirmang, Liu Guangxin, Wu Lin

SMT



Distributed Relative Localization for Homogeneous Multirobot Systems Through UWB Ranging and Limited Communications

IEEE Asme Transactions On Mechatronics

SUTD Authors: Cao Zhiqiang, Tan U-Xuan

EPD

