

Ching-Wen Hung

Ph.D. candidate at Graduate Institute of Networking and Multimedia, National Taiwan University

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Research Interests

- Human-Computer Interaction (HCI), Virtual/Augmented reality (VR/AR), Wearable Technology, Robotics, Haptics, Perception and Behavior, Novel Techniques

Education

- **National Taiwan University** **Taipei, Taiwan**
Ph.D. in Computer Science *Mar 2020 -*
Advisor: Bing-Yu Chen
- **National Taiwan University** **Taipei, Taiwan**
Master in Information Management and MBA *Sep 2018 - Feb 2020*
Advisor: Bing-Yu Chen
- **National Central University** **Taoyuan, Taiwan**
Bachelor in Information Management *Sep 2014 - June 2018*

Research Experiences

- **Research Assistant - CMLab, National Taiwan University**, Taipei, Taiwan *Sep 2018 -*
Supervisor: Bing-Yu Chen

Publications

- **Puppeteer: Exploring Intuitive Hand Gestures and Upper-Body Postures for Manipulating Human Avatar Actions**
Ching-Wen Hung, Ruei-Che Chang, Hong-Sheng Chen, Chung-Han Liang, Liwei Chan, Bing-Yu Chen
In Proceedings of the ACM Symposium on Virtual Reality Software and Technology (VRST 2022).
- **OsciHead: Simulating Versatile Force Feedback on an HMD by Rendering Various Types of Oscillation**
Ching-Wen Hung, Hsin-Ruey Tsai, Chi-Chun Su, Jui-Cheng Chiu, Bing-Yu Chen
In Proceedings of the ACM Human-Computer Interaction with Mobile Devices and Services (MobileHCI 2022).
In Proceedings of the ACM on Human-Computer Interaction (PACMHCI 2022). (oral present)
- **ElastOscillation: 3D Multilevel Force Feedback for Damped Oscillation on VR Controllers**
Hsin-Ruey Tsai, **Ching-Wen Hung**, Tzu-Chun Wu, Bing-Yu Chen
In Proceedings of the ACM Human-Computer Interaction (CHI 2020). (oral present)

Projects and Demos

- **Puppeteer: Manipulating Human Avatar Actions with Intuitive Hand Gestures and Upper-Body Postures**
Ching-Wen Hung, Ruei-Che Chang, Hong-Sheng Chen, Chung Han Liang, Liwei Chan, Bing-Yu Chen
UIST Adjunct 2022
- **Tonopoly: A Monopoly-like Board Game with Toio**
Chi-Huan Chiang, **Ching-Wen Hung**
UIST Student Innovation Contest 2021
- **Demonstration of ElastOscillation: A VR Controller Providing 3D Multilevel Feedback for Damped Oscillation**
Ching-Wen Hung, Hsin-Ruey Tsai, Tzu-Chun Wu, Bing-Yu Chen
CHI Extended Abstracts 2020

Technical Reports and Preprints

- **ElastOscillation: 3D Multilevel Force Feedback for Damped Oscillation on VR Controllers**
CHI 2020 (Online Virtual Conference)
UTokyo-NTU Joint Conf 2019

Teaching Experiences

- **Teaching Assistant**
 - **Human Computer Interaction in Industry** *National Taiwan University* Sep 2022 - Dec 2022
Instructor: Peggy Chi
 - **Creative and Design Thinking** *National Taiwan University* Mar 2020 - June 2020
Instructor: Bing-Yu Chen
 - **Internet Technology in E-Commerce** *National Central University* Sep 2017 - Jan 2018
Instructor: Kuen-Liang Su, Shi-Jen Lin

Awards and Grants

- **UIST Travel Award** 2022
ACM UIST
- **Subsidy for Domestic Graduate Students to Attend International Academic Conferences** 2022
National Science and Technology Council, Taiwan
- **Fellowship for outstanding Ph.D. student** Sep 2020 -
Ministry of Science and Technology, Taiwan
- **Fellowship for students of the Direct Pursuit of Ph.D. Degree** Mar 2020 - Aug 2020
National Taiwan University, Taiwan
- **Dean's List Award** Sep 2015 - Jun 2017
National Central University, Taiwan

Leadership

- **Host for TAICHI 2022 - Women in STEM**
- **Program Chair for TAICHI 2022**
- **Host for TAICHI x UIST Online Meeting 2021**
- **Student Volunteer for Ubicomp 2021** (Online Virtual Conference)
- **Student Volunteer for CHI 2021** (Online Virtual Conference)
- **Student Volunteer for TAICHI 2019**
- **Instructor for Robin Lab HCIxGraphics Workshop 2020 - 2022**
- **Instructor for Robin Lab HCI Workshop 2019**

Reviewer

- TAICHI 2022
- TAICHI 2021

Student Mentoring

- **Hong-Sheng Chen**, *Master Student*, National Taiwan University Nov 2021 - Apr 2022
- **Chung Han Liang**, *Master Student*, National Taiwan University Nov 2021 - Apr 2022
- **Chi-Chun Su**, *Master Student*, National Taiwan University Aug 2020 - Aug 2021
- **Jui-Cheng Chiu**, *Undergraduate Student*, National Taiwan University Aug 2020 - Apr 2021

References

- **Bing-Yu Chen**
Professor in Department of Computer Science and Engineering / Information Management, National Taiwan University
Email: robin@ntu.edu.tw