

# Ching-Wen Hung

---

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

Email: amie12349@cmlab.csie.ntu.edu.tw

Phone: (+886)975016313

Website: <https://kihosi.github.io/>

## Research Interests

---

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

## Education

---

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

## Research Experiences

---

- **Student Volunteer for Ubicomp 2021** (Online Virtual Conference)
- **Student Volunteer for CHI 2021** (Online Virtual Conference)
- **Student Volunteer for TAICHI 2019**

## Publications

---

- **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**
  - **Creative and Design Thinking** *National Taiwan University* *Mar 2020 - June 2020*
  - **Internet Technology in E-Commerce** *National Central University* *Sep 2017 - Jan 2018*

## Awards and Grants

---

- Fellowship for outstanding Ph.D. student from Ministry of Science and Technology, Taiwan *2020 -*
- Fellowship for students of the Direct Pursuit of Ph.D. Degree in National Taiwan University, Taiwan *2020*
- Dean's List Award in National Central University, Taiwan *Sep 2015 - Jun 2017*

## 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*