

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), 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

- **Chi-Chun Su**, *Master Student*, National Taiwan University *Aug 2020 - Aug 2021*
- **Jui-Cheng Chiu**, *Undergraduate Student*, National Taiwan University *Aug 2020 - Apr 2021*