

Keynote Speaker 1

Prof. Chi-Yi Chang – Design in Taiwan

Date	Thursday, November 16th, 2023
Time	9:30~10:30
Location	International Conference Hall, 2F, Zhong Shang Building
Host	Prof. Yu-cheng Chuang Dept. of Creative Design and Management, National Taichung University of Education

Keynote Speaker 2

Prof. Lee Kwan Min – Evolutionary Psychology and Design Innovation

Date	Thursday, November 16th, 2023
Time	11:00~12:00
Location	International Conference Hall, 2F, Zhong Shang Building
Host	Prof. Hsiao-Ping Tsai Dept. of Electrical Engineering, National Chung Hsing University

Keynote Speaker 3

Prof. Masayuki Otsuka – Efforts and Challenges for Zero-Water Buildings in Japan

Date	Friday, November 17th, 2023
Time	9:30~10:30
Location	International Conference Hall, 2F, Zhong Shang Building
Host	Prof. Meng-Chieh Lee Dept. of Interior Design, National Taichung University of Science and Technology

Keynote Speaker 4

Prof. Aloysius Yapp – Immersive technology for heritage and culture preservation: Design. Development

Date	Friday, November 17th, 2023
Time	11:00~12:00
Location	International Conference Hall, 2F, Zhong Shang Building
Host	Prof. Wang-Chin Tsai Dept. of Creative Design, National Yunlin University of Science & Technology

[A] Conference Agenda: Thursday, November 16th, 2023

Host: Prof. Chen-Wei Chiang / Dept. of Industrial Design, National Taipei University of Technology

Location: Zhong Shang Building 7203

Topics: Multi Media design (Including the metaverse)

A	1:30~1:50	R002	Ding-Xiang Luo Hsiao-Chen You Ting-Cheng Chang	Making Voice Assistants More Human-like: Effects of Voice Assistant Embodiment on Anthropomorphic Perception
A	1:50~2:10	R026	Hong-Yin Koo Yu-Han Wang	Enhancing Teacher-Student Interaction and Student Engagement through a Hybrid Vtuber-Teacher Game-based learning
A	2:10~2:30	R004	Chung-Hua Chu Chun-Wei Hu	Mixed Reality for Technique Training on Industrial Wiring
A	2:20~2:50	R013	Chuan-Po Wang Han-Yu Lai	Digital Art and New Technology Applications On Marine Ecological Issues
A	2:50~3:10	R014	Yu-Fang Lu Yu-Han Wang	The Use of Artificial Intelligence Non-Player Characters for Digital Game-based Language Learning

[B] Conference Agenda: Thursday, November 16th, 2023

Host: Prof. Chun-Chih Chen / Dept. of Industrial Design, National Kaohsiung Normal University

Location: Zhong Shang Building 7204

Topics: Industrial design / product design

B	1:30~1:50	R007	Zi-Ning Huang	The goal to be a sustainable art fashion designer should have equipped the basic research.
B	1:50~2:10	R041	Chein-Hui Lee Zhang-Yan Bin Evelyn Saputri	Development and Theoretical Framework of a Smart Bicycle Anti-theft System Based on Internet of Things (IoT) Technology
B	2:10~2:30	R022	Chien-Heng Lee Pei-Yu Chen	The Study on Design and Production of Driftwood Tables and Chairs
B	2:20~2:50	R031	Chih-Chieh Yang	A Short Introduction of Tony Fry's Philosophy of Sustainable Design
B	2:50~3:10	R032	Cheih-Ying Chen	The Design of the First Locally Manufactured Small Electric Street Sweeper in Taiwan

[C] Conference Agenda: Thursday, November 16th, 2023

Host: Prof. Lee Kwan Min / Nanyang Technological University, Singapore

Location: Zhong Shang Building 7203

Topics: Multi Media design (Including the metaverse)

C	3:30~3:50	R009	Shu-Nung Yao	Sound Design Toolkit for Metaverse
C	3:50~4:10	R027	Nian-Ying Wu Yen-Liang Wu	The Design and Evaluation of Virtual Reality Educational Materials for Environmental Education in Elementary Schools using ARCS Motivation Model.
C	4:10~4:30	R020	Hsiao-Yu Luo Chun-Cheng Hsu	Sensory Study of Haptic Design in Virtual Reality Interactive Devices - A Case Study on Cultural Heritage Content
C	4:30~4:50	R036	Hsuan-Chu Chen Yo-Chen Liu	Apply the Project-Based Learning Model to Cultivate students' Design Thinking research on Generative AI
C	4:50~5:10	R019	Chia-Hsiang Lee Tzu-Wei Tsai	A Research of "sea-light" Immersive Interactive Image Creation

[D] Conference Agenda: Thursday, November 16th, 2023

Host: Prof. Chien-Jou Yang /

Industry-Academic Innovation College, National Taiwan University of Science and Technology

Location: Zhong Shang Building 7204

Topics: Environmental and space design

D	3:30~3:50	R018	Ka-Chon Ku Yen-Liang Wu	A Study on the Application of Blender Geometry Nodes in Taiwanese Street House Modeling
D	3:50~4:10	R033	Hung-Tsung Lin Mei-Huei Li	The Possibility Of Using 3d Ceramic Printing Block For Being A Constructure Material Design A Wall Lamp, A Shop Counter, And A Wall For Example
D	4:10~4:30	R038	Kung-Lin Hsu Chi-Hua Li	Study on space innovation: A case study of Tattoo parlors
D	4:30~4:50	R039	Chien-Jou Yang	Strategies for Net-Zero Carbon Building Design in Public Housing

[A] Conference Agenda: Friday, November 17th, 2023

Host: Prof. Prof. Masyuki Otsuka / Dean, Kanto Gakuin University, Japan

Location: Zhong Shang Building 7203

Topics: Environmental and space design

A	1:30~1:50	R001	Ying-Chieh Wu Chen Lu Chia-Hui Huang Chun-Chih Chen	Optimizing the Single Dining Space Environment in Franchise Chain Restaurants during the Post-Pandemic Era: An Analysis of Consumer Needs and Psychological Aspects
A	1:50~2:10	R005	Pei-Yu Chen Yu-Cheng Hung	The Strategy of Construction Material Aiming for Net-Zero
A	2:10~2:30	R006	Anna Fujita Masayuki Otsuka Takeshi Aoi	Efforts towards Realization of Net-zero water at Research Facility
A	2:20~2:50	R028	Meng-Chieh Lee	Bus stop design with chilled water wall for cooling, dehumidify, and air clean
A	2:50~3:10	R011	Megumi Itabashi Masayuki Otsuka	Experimental study on hand washing awareness among college students

[B] Conference Agenda: Friday, November 17th, 2023

Host: Prof. Wen-Hwa Cheng / Dept. of Multimedia Design, National Formosa University

Location: Zhong Shang Building 7204

Topics: Multi Media design (Including the metaverse)

B	1:30~1:50	R021	Qiao-lin Zhang Shian-Shi Chen Pei-Yuan Lin	Creation Description of 2D Animation " The Love Song of An-ping " and Research of Applications of The Tapered Strokes Functions in After Effects
B	1:50~2:10	R023	Hsiao-Chen You Yi-Ru Chang Ling-Yu Ho	Shaping Voice Assistants' Personality through Sound Design: A Study on User Perception
B	2:10~2:30	R024	Yan-Tsz Liou Xian-Xi Chen Xiang-Yi Tan	2D Animation "ORE": Creative Discourse and Technical Applications Using iPad and Related Software in Animation Production and Video Editing
B	2:20~2:50	R015	I-Jen Sung Chung-Sheng Chen Ting-Hsien Lu	Preliminary proposal of a non-linear integrated design process
B	2:50~3:10	R025	En-Wei Lin Yen-Liang Wu	Development of Real-Time Cloth Unfolding and Bandaging Simulation for VR Gesture Interaction

C Conference Agenda: Friday, November 17th, 2023

Host: Prof. Chih-Chieh Yang /

Dept. of Multimedia and Entertainment Science, Southern Taiwan University of Science and Technology

Location: Zhong Shang Building 7203

Topics: Multi Media design (Including the metaverse)

C	3:30~3:50	R029	Cheng-Li Liu Shiaw-Tsyr Uang	A new approach for navigation in the elderly within a virtual store shopping
C	3:50~4:10	R030	Yu-Han Wu Shian-Shi Chen Jie-Xuan You	Creative Description of 3D Animation "Kintekuy" and Research of Applications of Clay Animation in Blender
C	4:10~4:30	R003	Tzu-Wei Tsai	Integrate Environmental Education to an Immersive Media Creative Design Model
C	4:30~4:50	R017	Tzu-Wei Tsai Jia-Yan Lin Yi-Ting Tsai	A study of Attractive Fctors of Augmented Immersive Media
C	4:50~5:10	R035	Chuan-Po Wang Cheng-Hui Tsai	A comparative study on the effectiveness of Paiwan people's sustainable development goals cultural quality education and augmentation and virtual reality innovative teaching

D Conference Agenda: Friday, November 17th, 2023

Host: Prof. Chia-An Lin /

Dept. of Commercial Design, National Taichung University of Science and Technology

Location: Zhong Shang Building 7204

Topics: Commercial design

D	3:30~3:50	R008	Hai-Ping Jao Chun-Di Chen	Design Evaluation and Further Design Requirements Study in online AI Perspective Plane Drawing Recognition Platform
D	3:50~4:10	R012	Fang-Ju Tsai Chia-Hui Huang Chun-Chih Chen	Researching the application of cross-domain integrated management perspective to the introduction of art and cultural activities in co-creating local industrial value models with SDGs.
D	4:10~4:30	R016	Pei-Jun Lai I-Chia Tsai	Medium-sized Supermarket Green Fruit and Vegetable Packaging Design Strategies and Initial Exploration
D	4:30~4:50	R037	Wan-Ci Wu Chi-Hua Li	The correlation between convenience store brand image and friendly space thinking
D	4:50~5:10	R040	Fang-Pang Chang Chia-Hui Huang Chun-Chih Chen	A Study on the Impact of UNIQLO Brand Image and Sustainable Development Philosophy on Consumer Purchase Intention