



**2021**

**SUMMER  
PROGRAMS**

**Handbook**

# Table of Contents

(1) Artificial Intelligence (AI).....	1
• Aug. 5 – 17	
(2) Web Design.....	2
• Aug. 2 – 20	
(3) AI Application in Management.....	3
• Aug. 2 - 27	
(4) Economy Investment and Taiwan Culture.....	4
• Jun. 28 – Jul. 23	
(5) FinTech Application and Investment.....	5
• Jun. 28 – Jul. 23	
(6) Innovation & Decision.....	6
• Jun. 28 – Jul. 23	
(7) Community Care Practice in Taiwan.....	7
• Jul. 6 – 16	
(8) Creative and Cultural Industry.....	9
• Jul. 5 – 15	
(9) Language & Culture.....	10
• Aug. 2 – 20	
(10) Interdisciplinary Global Health.....	11
• Jul. 5 – 16	

# 1. Artificial Intelligence

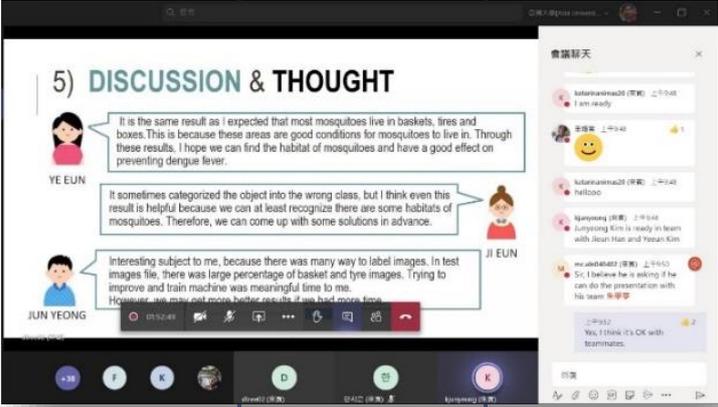
**Dates:** Aug. 5 - 17, 2021

**Credits:** 3

**Language:** English

**Delivery:** Blended online – synchronous and asynchronous

**Total Hours:** 54

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
				8/5	8/6
13:10-16:00				<b>Opening Ceremony &amp; Course Introduction</b> Dr. Rung-Sheng Chen	<b>Introduction to AI, ML and DL</b> Dr. Dun-Heh Chen
16:10-19:00				<b>Hands-on: Colab, Python and Numpy</b> Dr. Cheng-Yuan Ho	<b>Hands-on: Data Science with Pandas</b> Dr. Cheng-Yuan Ho
<b>Week 2</b>					
	8/9	8/10	8/11	8/12	8/13
13:10-16:00	<b>AI Speech (1)</b> Dr. Wei-Yun Ma	<b>AI Speech (2)</b> Dr. Lun-Wei Ku	<b>Azure ML Studio</b> Dr. Shin-Hung Pan	<b>NLP Basics</b> Dr. Ching-Tai Chen	<b>AIOT Basics</b> Dr. Hsing-Chung Chen
16:10-19:00	<b>Hands-on: TensorFlow (1)</b> Dr. Hsueh-Ting Chu	<b>Hands-on: TensorFlow (2)</b> Dr. Hsueh-Ting Chu	<b>Hands-on: TensorFlow (3)</b> Dr. Hsueh-Ting Chu	<b>Hands-on: TensorFlow (4)</b> Dr. Hsueh-Ting Chu	<b>Hands-on: TensorFlow (5)</b> Dr. Hsueh-Ting Chu
<b>Week 3</b>					
	8/16	8/17			
13:10-16:00	<b>Group Discussion</b> Dr. Hsueh-Ting Chu	<b>Final Project Development</b> Dr. Rung-Sheng Chen			
16:10-19:00	<b>Final Project Proposal</b> Dr. Hsueh-Ting Chu	<b>Peer Review &amp; Feedback</b> Dr. Rung-Sheng Chen			

\* This Schedule might be subject to change due to unexpected reason.

\*\* Assessment is based upon Final Project Presentation, Peer Review & Feedback.

## 2. Web Design

Dates: **Aug. 2 - 20, 2021**

Credits: 3

Language: English

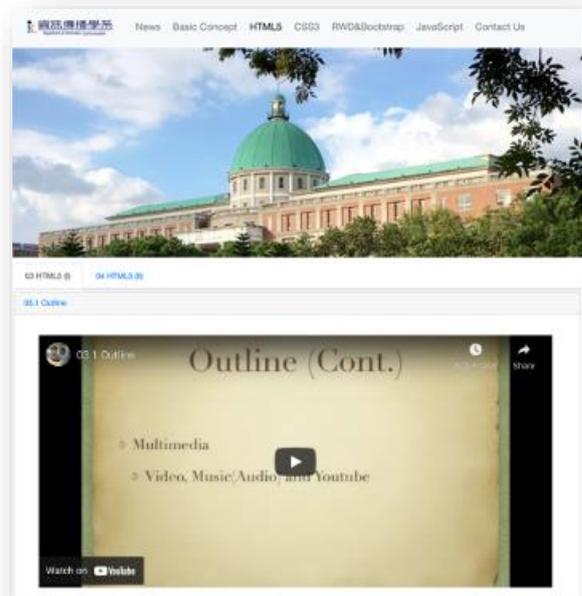
Delivery: Online – **asynchronous**

Total Hours: 54

Date	No.	Course Title	Hours	Instructors
8/2 - 8/6	<b>Opening Ceremony &amp; Class Introduction (8/2 13:00 GMT+8)</b>			Dr. Chia-Han Lin
	1	Design and Planning Web Pages	3	Dr. Chia-Han Lin
	2	Creating Web Pages with HTML	6	Dr. Chia-Han Lin
	3	Formatting Web Pages with Style Sheets	6	Dr. Chia-Han Lin
	4	<b><i>Designing your web site – step 1: Story Telling</i></b>	3	Dr. Chia-Han Lin
8/9 - 8/13	5	Introduction to Bootstrap and RWD	3	Dr. Chia-Han Lin
	6	<b><i>Designing your web site – step 2: Presentation</i></b>	3	Dr. Chia-Han Lin
	7	Responsive Web Design by Using Bootstrap	6	Dr. Chia-Han Lin
	8	Programming the Web Using JavaScript I	6	Dr. Chia-Han Lin
	9	<b><i>Designing your web site – step 3: Structure Design</i></b>	3	Dr. Chia-Han Lin
8/16- 8/20	10	<b><i>Designing your web site – step 4: Layout Design</i></b>	3	Dr. Chia-Han Lin
	11	Programming the Web Using JavaScript II	6	Dr. Chia-Han Lin
	12	Introduction to jQuery	6	Dr. Chia-Han Lin
	<b><i>Final Project online Demonstration</i></b>			Dr. Chia-Han Lin
	<b>Closing Ceremony , Feedback &amp; Assessment (8/20 13:00 GMT+8)</b>			Dr. Chia-Han Lin

\*This Schedule might be subject to change due to unexpected reason.

\*\*Assessment is scheduled on the last day of the program.



# 3. AI Application in Management

Dates: **Aug. 2 - 27, 2021**

Credits: **3**

Language: **English**

Delivery: **Blended online – synchronous and asynchronous**

Total Hours: **58**

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
	8/2	8/3	8/4	8/5	8/6
<b>9:10-12:00</b>	Opening Ceremony	Taiwan Heritage	Python in AI	Pandas and Matplotlib	
<b>13:10-17:00</b>	Night Market Economic	Taiwan Culture	Python in AI	Web Crawling and Word Cloud	
<b>Week 2</b>					
	8/9	8/10	8/11	8/12	8/13
<b>9:10-12:00</b>	Decision	Uncertain Game	AI, Machine Learning Fintech	Cross-Cultural Communication	
<b>13:10-17:00</b>	Reward Function	Optimal Path in AI	Payment, Credit and Lending	Leadership	
<b>Week 3</b>					
	8/16	8/17	8/18	8/19	8/20
<b>9:10-12:00</b>	Thinking in Innovative Investment	Crypto currency and Black Chain	Data Mining in AI Information Accounting		
<b>13:10-17:00</b>	Thinking in Innovative Investment	Challenger Bank in Fintech	Web Crawler and Social Media Analysis		
<b>Week 4</b>					
	8/23	8/24	8/25	8/26	8/27
<b>9:10-12:00</b>	Big Data	Big Data	Big Data	Presentation	Assessment
<b>13:10-17:00</b>	Technology Application	Investment Decision Analytics	Digital Economy Analytics		Feedback

\*This Schedule might be subject to change due to unexpected reason.

\*\*Assessment is scheduled on the last day of the program.



# 4. Economy Investment and Taiwan Culture

Dates: **Jun. 28 – Jul. 23, 2021**

Credits: **3**

Language: **English**

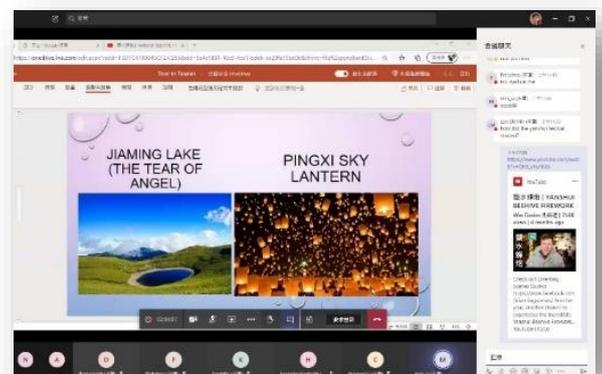
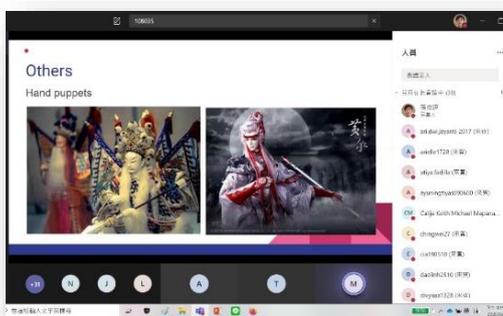
Delivery: **Blended online – synchronous and asynchronous**

Total Hours: **56**

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
	6/28	6/29	6/30	7/1	7/2
<b>9:10-12:00</b>	Opening Ceremony	Aboriginal Life	Taiwan Heritages in Tour Culture	Financial and Real Investment	
<b>13:10-17:00</b>	Night Market Economic	Taiwan's Religion Culture	Intangible Asset	FDI Investment	
<b>Week 2</b>					
	7/5	7/6	7/7	7/8	7/9
<b>9:10-12:00</b>	Investor Valuation and Asset Pricing	Financial Innovation	Fintech	Cultural Communication	
<b>13:10-17:00</b>	Real Investment and Real Option	MNC Exit and Entry	Payment, Credit and Lending	Teams Work	
<b>Week 3</b>					
	7/12	7/13	7/14	7/15	7/16
<b>9:10-12:00</b>	Thinking	Machine Learning	Innovation in Investment	Technology Application	Investment Analytics
<b>13:10-17:00</b>	Design				
<b>Week 4</b>					
	7/19	7/20	7/21	7/22	7/23
<b>9:10-12:00</b>	Big Data	Data Analytics	Big Data Analytics	Presentation	Assessment
<b>13:10-17:00</b>	Digital Economy	Digital Economy	Digital Economy		Feedback

\*This Schedule might be subject to change due to unexpected reason.

\*\* Assessment is scheduled on the last day of the program.





# 6. Innovation & Decision

Dates: **Jun. 28 – Jul. 23, 2021**

Credits: **3**

Language: **English**

Delivery: **Blended online – synchronous and asynchronous**

Total Hours: **56**

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
	6/28	6/29	6/30	7/1	7/2
<b>9:10-12:00</b>		Tour Culture	Taiwan's Religion	Corporate Decision	
<b>13:10-17:00</b>	Opening Ceremony Market Economic	Taiwan Tourism	Taiwan Heritages	Economic Investment	
<b>Week 2</b>					
	7/5	7/6	7/7	7/8	7/9
<b>9:10-12:00</b>	Game Theory	Continuous Decision Discrete Decision	Financial Innovation	Team Works	
<b>13:10-17:00</b>	Real Option Decision	R&D, Innovation, Real Option	Fintech	Team Decision-Making	
<b>Week 3</b>					
	7/12	7/13	7/14	7/15	7/16
<b>9:10-12:00</b>	Design Thinking	Decision in AI	Big Data Decision	Investment Decision Analytics	Technology Application
<b>13:10-17:00</b>	Innovative Product				
<b>Week 4</b>					
	7/19	7/20	7/21	7/22	7/23
<b>9:10-12:00</b>	Financial Big Data	Big Data and Decision Analysis	Data Analytics	Presentation	Assessment
<b>13:10-17:00</b>	Innovative Finance	Digital Economy	Digital Economy Decision		Feedback

\*This Schedule might be subject to change due to unexpected reason.

\*\*Assessment is scheduled on the last day of the program.



# 7. Community Care Practice in Taiwan

Dates: Jul. 6 – Jul. 16, 2021

Credits: 3

Language: English

Delivery: **Blended** online – synchronous and asynchronous

Total Hours: 58

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
	7/5	7/6	7/7	7/8	7/9
9:10-12:00		<p><b>Opening Ceremony &amp; Course Introduction</b></p> <p>Dr. Song-Lin Huang</p>	<p>1. Visit Asia Modern Art Museum</p> <p>2. Community Care Practice Nice Community Association (Community Association Industry) Changhua Community Resource Center Cultural Heritage Park, Ministry of Culture</p> <p>Dr. Song-Lin Huang</p>	<p><b>Community Care Practice in Taichung</b></p> <p>1. Jiuzheng Community Center</p> <p>2. GuangFu Village/Asia Univ. INGO Center</p> <p>Dr. Chih-Bang Hsiao</p>	<p>1. 921 Earthquake Museum</p> <p>2. Introduction of Longgang Community Center, Taoyuan</p> <p>Dr. Song-Lin Huang</p>
13:10 - 17:00		<p><b>Community Care &amp; Social Policy in Taiwan</b></p> <p>Dr. Song-Lin Huang</p>		<p><b>Local Culture restoration and Communities in Taiwan</b></p> <p>Dr. Shu-Chuan Liao</p>	<p><b>Indigenous Culture and Community Care in Taiwan</b></p> <p>Dr. Chih-Bang Hsiao</p>



Week 2					
	7/12	7/13	7/14	7/15	7/16
10:10 - 12:00	<p><b>Fu Tian Community Center</b> (Community Social Enterprise)</p> <p>Mr. Shih-Chou Huang</p>	<ol style="list-style-type: none"> <li>1. Taomi Community Center</li> <li>2. Formosan Aboriginal Culture Village</li> </ol> <p>Mr. Shih-Chou Huang</p>	<ol style="list-style-type: none"> <li>1. Jinhua Community, Tainan (Long-Term Care Practice).</li> <li>2. RenDe (Ten Drum) Sugar Factory</li> <li>3. Chimei Museum</li> <li>4. Participants Upload Homework and Feedback Questionnaires for the Program</li> </ol> <p>Mr. Shih-Chou Huang</p>	<p><b>Community Care Policy of Taichung City Government</b></p> <p>Dr. Song-Lin Huang / Mr. Shih-Chou Huang</p>	<p><b>Domestic Violence Prevention Program in the Community</b></p> <p>Dr. Song-Lin Huang</p>
13:10 - 17:00	<p><b>Ecology and Communities in Taiwan and Community Social Enterprise in Taiwan</b></p> <p>Dr. Shu-Chuan Liao</p>	<p><b>Community Oriented Welfare and Health Promotion in Taiwan</b></p> <p>Dr. Chih-Bang Hsiao</p>	<p>Mr. Shih-Chou Huang</p>	<p><b>Volunteering Management and Community Care in Taiwan</b></p> <p>Dr. Hsiu-Ching Chen</p>	<ol style="list-style-type: none"> <li>1. Evaluation and Feedback of the participants</li> <li>2. Feedback Questionnaires for the program</li> <li>3. Closing Ceremony</li> </ol> <p>Dr. Song-Lin Huang</p>

\*This Schedule might be subject to change due to unexpected reason.

\*\* Assessment is based upon Evaluation and Feedback of the participants.



## 8. Creative and Cultural Industry

**Dates:** Jul. 5 – 15, 2021

**Credits:** 3

**Language:** English

**Delivery:** **Blended** online – synchronous and asynchronous

**Total Hours:** 54

Week 1					
	Mon	Tue	Wed	Thu	Fri
	7/5	7/6	7/7	7/8	7/9
<b>09:00-12:00</b>	Orientation: Opening Ceremony & Introduction to the Course	Hands-on: (A) Design Drawing	Design Thinking and Talk: (S) Project: Food, Tea Idea Development	Hands-on: (A) Project: Food, Tea Challenge Define	Lecture: (S)(A) Creative and Cultural Industry Base Investigation
<b>14:00-17:00</b>	Introduction to Design and Design Forum	Group Discussion: (S) Design Drawing	Design Thinking and Talk: (S) Project: Food, Tea Idea Development	Group Discussion: (S) Project: Food, Tea Challenge Define	Taichung Cultural and Creative Industries Park review
Week 2					
	7/12	7/13	7/14	7/15	
<b>09:00-12:00</b>	Project: Food, Tea (S) Idea Visualization	Lecture: (S)(A) Animation Storyboard	Hands-on: (A) Fusion Designs with Local Touches	Panel Discussion Final Project Presentation (S)	
<b>14:00-17:00</b>	Group Discussion: (S) Project: Food, Tea Idea Visualization	Hands-on: (A) Animation Storyboard	Hands-on: (A) Fusion Designs with Local Touches	Final Project Presentation (S) Summary & Closing Ceremony	

\* This Schedule might be subject to change due to unexpected reason.

\*\* Assessment is based upon Final Project Presentation, Peer Review & Feedback. It is scheduled on the last day of the program.

\*\*\* Synchronous courses (S): live at 09:00-12:00 (Taiwan time), 14:00-17:00 (Taiwan time);  
Asynchronous courses (A): No time limit.



# 9. Language and Culture

Dates: **Aug. 2 - 20, 2021**

Credits: **3**

Language: **Mandarin-taught (Language) / English-taught (culture)**

Delivery: **Synchronous** online for **Language**, **Asynchronous** online for **Culture**

Total Hours: **54**

	Mon	Tue	Wed	Thu	Fri
<b>Week 1</b>					
	8/2	8/3	8/4	8/5	8/6
<b>9:10-12:00</b>	Opening Ceremony & Course Introduction	Mandarin Pinyin	Mandarin for Campus Life-School Environment	Mandarin for Travelling-Asking Directions	
<b>13:10-16:00</b>	Placement Test	Mandarin for Daily Life Self-introduction	Culture Class-Chinese Characters & Calligraphy	Mandarin Tutorials (1)	
<b>Week 2</b>					
	8/9	8/10	8/11	8/12	8/13
<b>9:10-12:00</b>		Mandarin for Daily Life-Likes and Dislikes	Culture Class-Taiwan Religion	Mandarin for Travelling-Transportation	Taiwan Attractions
<b>13:10-16:00</b>	Mandarin for Daily Life-Weather & Time	Mandarin for Campus Life-Class & Studying	Culture Class-Making Chinese Lucky Charms	Mandarin Tutorials (2)	
<b>Week 3</b>					
	8/16	8/17	8/18	8/19	8/20
<b>9:10-12:00</b>		Mandarin for Daily Life-Shopping	Culture Class-Taiwan Food Culture	Mandarin for Travelling-Travel Itinerary	Final Exam & Closing Ceremony
<b>13:10-16:00</b>	Mandarin for Daily Life-Seeing a Doctor	Mandarin for Campus Life-School Activities	Culture Class-Making Bubble Tea	Mandarin Tutorials (3)	

\*This Schedule might be subject to change due to unexpected reason.



# 10. Interdisciplinary Global Health

Dates: Jul. 5 - 16, 2021

Credits: 3

Language: English

Delivery: Blended online – synchronous and asynchronous

Total Hours: 54

Week 1					
	Mon	Tue	Wed	Thu	Fri
	7/5	7/6	7/7	7/8	7/9
09:00 - 12:00	<p><b>09:00am - 13:00pm</b></p> <p><b>Opening Ceremony</b> Dr. Ying-Huei Chen (AU) Dr. Hua-Shan Wu (AU)</p> <p><b>Ice-breaking</b> Dr. Nai-Huan Hsiung (AU)</p> <p><b>Orientation</b> (Introduction to the Course)</p> <p>Dr. Chia-Yi Chiao (AU) Dr. Hui-Wen Chien (AU)</p> <p>Coordinator: Ms. Yun-Yen Fan</p>	<p><b>Global Health Issues in Australia</b></p> <p>Dr. Deborah Hatcher (Western Sydney University, Australia)</p> <p>Coordinator: Dr. Yung-Chieh Ching</p>	<p><b>Nursing Workforce Sustainability: The International Connection between Taiwan and Indonesia</b></p> <p>Dr. Ferry Efendi (Universitas Airlangga, Indonesia)</p> <p>Coordinator: Dr. Nai-Huan Hsiung</p>	<p><b>Assuring the Quality of Health Education Institution during the Pandemic Covid 19 Era</b></p> <p>Dr. Fitri Arofiati (Universitas Muhammadiyah Yogyakarta, Indonesia)</p> <p>Coordinator: Dr. Nai-Huan Hsiung</p>	<p><b>Complementary and Alternative Nursing</b></p> <p>Dr. Nai-Huan Hsiung (AU)</p> <p>Coordinator: Ms. Yun-Yen Fan</p>
14:00 - 17:00	<p><b>Caregiver Training Policy in Taiwan</b></p> <p>Dr. Chia-Yi Chiao (AU)</p> <p>Coordinator: Ms. Yun-Yen Fan</p>	<p><b>Community Health Nursing in Indonesia: Current Condition and Challenges</b></p> <p>Dr. Ferry Efendi (Universitas Airlangga, Indonesia)</p> <p>Coordinator: Dr. Nai-Huan Hsiung</p>	<p><b>Impact of Covid-19 on Nursing in the UK</b></p> <p>Dr. Graeme Smith (Caritas Institute of Higher Education, Hong Kong)</p> <p>Coordinator: Dr. Nai-Huan Hsiung</p>	<p><b>Hospice Care and Spirituality</b></p> <p>Dr. Shih-Tzu Huang (AU)</p> <p>Coordinator: Ms. Yun-Yen Fan</p>	



Week 2					
	7/12	7/13	7/14	7/15	7/16
09:00 - 12:00	<b>Dementia and Driving in the Senior Years</b>  Dr. Victoria Traynor (University of Wollongong, Australia)  Coordinator: Dr. Hui-Wen Chien	<b>Covid-19 Prevention in Long-term Care Facilities in Taiwan</b>  Dr. Hui-Wen Chien (AU)  Coordinator: Ms. Yun-Yen Fan	<b>Mental Health in Taiwan</b>  Dr. Yung-Chieh Ching (AU)  Coordinator: Ms. Yun-Yen Fan	<u>09:00am - 12:00pm</u>  <u>13:00pm - 17:00pm</u>  <b>Final Project Representation: Health Care in your Country (by students)</b>  Dr. Hui-Wen Chien (AU) Dr. Shih-Tzu Huang (AU) Dr. Yung-Chieh Ching (AU) Dr. Nai-Huan Hsiung (AU)  Coordinator: Ms. Yun-Yen Fan	<u>09:00am - 13:00pm</u>  <b>Closing Ceremony &amp; Feedback</b>  Dr. Nai-Huan Hsiung (AU)  <b>Certificate Ceremony</b>  Dr. Chia-Yi Chiao (AU)  Coordinator: Ms. Yun-Yen Fan
14:00 - 17:00	<b>Integrity in Nursing/Health Research</b>  Dr. Graeme Smith (Caritas Institute of Higher Education, Hong Kong)  Coordinator: Dr. Nai-Huan Hsiung	<b>Planning for City of Wellbeing</b>  Dr. Tzu-Yuan Chao (National Cheng Kung University, Taiwan)  Coordinator: Ms. Yun-Yen Fan	 <b>Preparation for tomorrow's presentation</b>		

**Information for Speakers:** (Listed by Presentation Order)

- Dr. Ying-Huei Chen**, Dean of College of International College, Asia university, Taiwan E-mail: ychen52@asia.edu.tw
- Dr. Hua-Shan Wu**, Dean of College of Nursing, Asia University, Taiwan, E-mail : huashan@asia.edu.tw
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- Dr. Deborah Hatcher**, Dean of School of Nursing and Midwifery, Western Sydney University, Australia, Email: D.Hatcher@westernsydney.edu.au
- Dr. Ferry Efendi**, Faculty of Nursing, Universitas Airlangga, Indonesia, Email: ferry-e@fkip.unair.ac.id
- Dr. Honorary Professor Graeme D. Smith**, Caritas Institute of Higher Education, Hong Kong, Editor of the Journal of Clinical Nursing, Email: smithgd0901@gmail.com
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- Dr. Tzu-Yuan Chao**, Chairperson of Department of Urban Planning, National Cheng Kung University, Taiwan, Email: changhs@mail.ncku.edu.tw
- Dr. Yung-Chieh Ching**, Post-Baccalaureate Program in Nursing, Asia University, Taiwan, Email: jadeching@asia.edu.tw
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