



**BEST.**  
Business Engineering  
and Surgical Technologies®

22  
July

26  
July



# **B.E.S.T. INNOVATION 2024**

**ON-SITE WEEK I TAIWAN  
IHU & IRCAD TAIWAN**



## DIRECTORS

Silvana PERRETTA	Italy	黃士維 Wayne HUANG	Taiwan
Dennis McWILLIAMS	USA		

## INTERNATIONAL FACULTY

Stefano STRAMIGIOLI	Netherlands	Kwok Wai Samuel AU	Hong Kong
James WALL	USA	宋成利 Song-Cheng LI	China
Ashley SEEHUSEN	USA		
Maria VANNUCCI	Italy		

## TAIWAN FACULTY

連加恩 Allen Chia En LIEN	Taiwan	李佩淵 Arnold Pei-Yuan LEE	Taiwan
黃沛聲 Bryan HUANG	Taiwan	陳建華 Chien-Hwa CHEN	Taiwan
戴憶帆 Ray TAI	Taiwan	胡名賢 Ming-Hsien HU	Taiwan
Vincent LO	Taiwan	方怡仁 Yi-Jen FANG	Taiwan
朱旒億 Pei-Yi CHU	Taiwan	趙世鈞 Shih-Chun CHAO	Taiwan
張健忠 Cheng-Chung CHANG	Taiwan	廖婉婷 Wan-Ting LIAO	Taiwan
		林宏裕 Hung-Yu LIN	Taiwan
		吳宗樺 Tsung-Hua WU	Taiwan
		李岳聰 Yueh-Tsung LEE	Taiwan
		李文欽 Wen-Chin LEE	Taiwan



## LAB INSTRUCTOR

黃士維 Wayne HUANG	Taiwan	葉奕廷 David Yi-Ting YEH	Taiwan
林忠葦 Charles Chung-Wei LIN	Taiwan	陳妤甄 Jennis Yu-Chen CHEN	Taiwan
陳家慶 Chia-Ching CHEN	Taiwan	魏慈慧 Mia Tzu-Hui Wei	Taiwan
蘇啟成 Khay Seng SOH	Malaysia		
蔡宇杰 Jack Yu-Chieh TSAI	Taiwan		

## CONSULTANT

湯孝威 Tom Hsiao-Wei TANG	Taiwan	楊岱樺 Douglas Tai-Hua YANG	Taiwan
陳彥諭 Arthur Yen-Yu CHEN	Taiwan	易詩恩 Sharon Shih-En YI	Taiwan
陳兆煒 Jowy TANI	Taiwan		

## COACH

陳淑美 Mei Shu-Mei CHEN	Taiwan	黃毅熙 Ben Yi-Hsi HUANG	Taiwan
Frank Ting-Hwa WANG	Taiwan	蔡易霖 I-Lin TSAI	Taiwan
賴俊延 CY Chun-Yen LAI	Taiwan		

## COACH ASSISTANT

Kachun LAU	Hong Kong	吳彥儒 Yen-Ru WU	Taiwan
李昕燁 Steffi Hsin-Yeh LEE	Taiwan		

# 2024 0722-26 BEST Shuttlebus Timetable 接駁車時刻表

出發時間 Departure Time	路線 Route
<b>Day 1: July 22 (星期一 Monday)</b>	
08:00	Pick Up @ 鹿港永樂酒店 Union House
08:10	Pick Up @ 鹿港澄悅酒店 Euphoria Hotel <b>Pick Up Point : 7-11 停車場 Parking Lot (Please refer to map below)</b> → 彰濱秀傳微創手術中心 IRCAD-Taiwan
18:15	彰濱秀傳微創手術中心 IRCAD-Taiwan → 大會晚宴 Congress Dinner
20:45	大會晚宴 Congress Dinner → 鹿港永樂酒店 Union House → 鹿港澄悅酒店 Euphoria Hotel → 彰濱秀傳樂活 Lohas Club
<b>Day 2: July 23 (星期二 Tuesday)</b>	
08:00	Pick Up @ 鹿港永樂酒店 Union House
08:10	Pick Up @ 鹿港澄悅酒店 Euphoria Hotel <b>Pick Up Point : 7-11 停車場 Parking Lot (Please refer to map below)</b> → 彰濱秀傳微創手術中心 IRCAD-Taiwan
17:30	彰濱秀傳微創手術中心 IRCAD-Taiwan → 福KAWA龍舟基地 Dragon Boat
19:30	福KAWA龍舟基地 Dragon Boat → 彰濱秀傳微創手術中心 IRCAD-Taiwan
10:00 - 00:00	彰濱秀傳微創手術中心 IRCAD-Taiwan → 鹿港永樂酒店 Union House → 鹿港澄悅酒店 Euphoria Hotel
<b>Day 3: July 24 (星期三 Wednesday)</b>	
08:00	Pick Up @ 鹿港永樂酒店 Union House
08:10	Pick Up @ 鹿港澄悅酒店 Euphoria Hotel <b>Pick Up Point : 7-11 停車場 Parking Lot (Please refer to map below)</b> → 彰濱秀傳微創手術中心 IRCAD-Taiwan
18:30	彰濱秀傳微創手術中心 → 精誠夜市 & 立特佳五金大賣場 IRCAD-Taiwan → Night Market & Hardware Store
20:30 - 21:00	精誠夜市 & 立特佳五金大賣場 → 彰濱秀傳微創手術中心 Night Market & Hardware Store → IRCAD-Taiwan
10:00 - 00:00	彰濱秀傳微創手術中心 IRCAD-Taiwan → 鹿港永樂酒店 Union House → 鹿港澄悅酒店 Euphoria Hotel

Day 4: July 25 (星期四 Thursday)

08:00	Pick Up @ 鹿港永樂酒店 Union House
08:10	Pick Up @ 鹿港澄悅酒店 Euphoria Hotel Pick Up Point : 7-11 停車場 Parking Lot (Please refer to map below) → 彰濱秀傳微創手術中心 IRCAD-Taiwan
10:00 - 00:00	彰濱秀傳微創手術中心 IRCAD-Taiwan → 鹿港永樂酒店 Union House → 鹿港澄悅酒店 Euphoria Hotel

Day 5: July 26 (星期五 Friday)

08:00	Pick Up @ 鹿港永樂酒店 Union House
08:10	Pick Up @ 鹿港澄悅酒店 Euphoria Hotel Pick Up Point : 7-11 停車場 Parking Lot (Please refer to map below) → 彰濱秀傳微創手術中心 IRCAD-Taiwan
14:15	彰濱秀傳微創手術中心 IRCAD-Taiwan → 鹿港永樂酒店 Union House → 鹿港澄悅酒店 Euphoria Hotel → 台中高鐵站 HSR Taichung Station

\*如需放置行李，櫃台後方設有行李間，請當日退房後帶至中心。

\*自行開車者，可將車輛停放於醫院內停車格，於課程結束後至櫃檯領取免費停車卷。

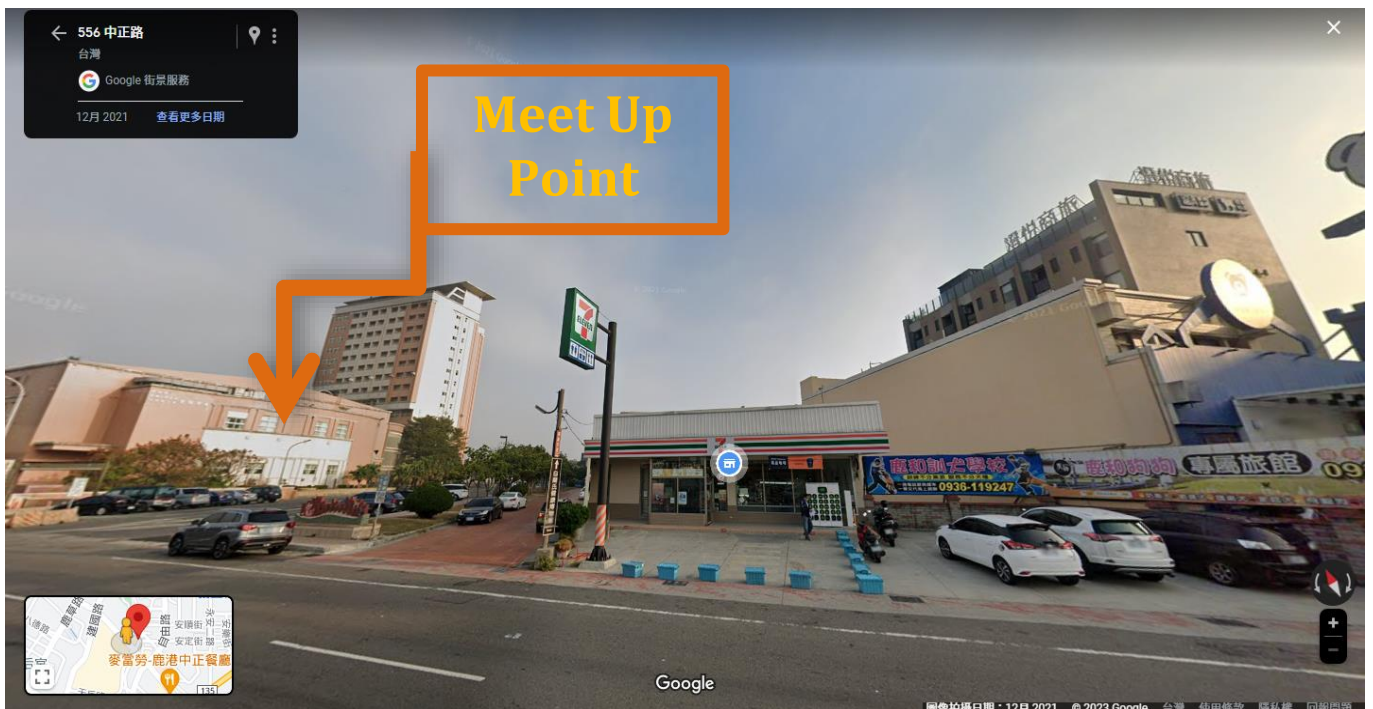
\*需要計程車接送者，請提前告知我們工作人員，方便為您安排。

Luggage storage, parking voucher, and taxi reservation is available at IRCAD-Taiwan. Please let us know when needed.

**Pick Up Point : Parking Lot next to 7-11 (<https://goo.gl/maps/ED7dAk95DAi6X8yZ6>)**

**505彰化縣鹿港鎮中正路556號**

**No. 556, Jhongheng Rd, Lukang Township, Changhua County, 505**



# MONDAY - July 22nd, 2024

08.00 am Shuttlebus from Hotel to IRCAD-Taiwan

08.30 am – REGISTRATION AT THE INSTITUTE  
09.00 am • B.E.S.T. CAFÉ – Break the ice – Mix & Meet

## ENTREPRENEURIAL SESSION / IRCAD Auditorium 1F

Chair:

09.00 am – WELCOME & INTRODUCTION TO IRCAD Taiwan  
09.15 am S. Perretta, D. McWilliams,  
黃士維 W. Huang, & All Faculties

09.15 am – NEEDS finding in Medicine  
10.45 am • The Importance of Needs finding in Innovation D. McWilliams  
• Identifying Needs and Screening TBD  
• Must Haves & Nice to Haves TBD  
• Case Study: Advances pH monitoring solution for GERD 蕭精誠 C.C. Hsiao

10.45 am – COFFEE BREAK  
11.15 am

## ENGINEERING SESSION / IRCAD Auditorium 1F

Chair:

11.15 am – The Creative Destruction of Surgery  
11.45 am S. Perretta

11.45 am – **KEYNOTE:** Convergence of Robotics and AI  
12.45 pm • How new breakthroughs in AI could revolutionize robotics S. Stramigioli  
• The power of entropy D. McWilliams

The AI medical journey of Acer Medical 連加恩 A. Lien

12.45 pm – LUNCH AT THE INSTITUTE  
13.45 pm

13.45 pm – CHALLENGE AND TEAM ANNOUNCEMENTS  
14.45 pm • A B.E.S.T. patent, what next? - Sign NDA - 黃士維 W. Huang

14.45 pm – TEAM & COACHES GET TOGETHER  
15.45 pm • Wear your B.E.S.T. T-Shirts  
• Group Photo & Team Photo  
• B.E.S.T. CAFÉ – Break the ice – Mix & Meet

## MINIMALLY INVASIVE SURGICAL SKILLS SESSION / IRCAD Laboratory 3F \*Lab Attire: Must Wear Closed-Toe Shoes\*

15.45 pm – GETTING STARTED: INTRODUCTION TO LAPAROSCOPY  
16.45 pm • Laparoscopic equipment: camera, optical system, and insufflator Karl Storz  
• Laparoscopic device & instrument: suture, ligation, energy & stapling Medtronic

16.45 pm – LASTT: Laparoscopic Skills Warm Up Session  
17.45 pm

18.00 pm Shuttlebus from IRCAD-Taiwan to Dinner

18.30 pm – WELCOME DINNER - KTV Night @ 海味珍活海鮮 Hai Wei Zhen  
20.30 pm

20.30 pm END OF PROGRAM DAY 1  
• Shuttlebus from Dinner to Hotel

# TUESDAY

July 23<sup>rd</sup> - 2024

08.00 am Shuttlebus from Hotel to IRCAD-Taiwan

## ENTREPRENEURIAL SESSION / IRCAD Auditorium 1F

Chair:

08.30 am – 10.30 am

CONCEPT GENERATION AND BRAINSTORMING

- Concept generation & brainstorming techniques
- Filtering your concepts: saying NO to 1000 things
- Prototyping strategies and case studies

TBD  
TBD  
S. Stramigioli

10.30 am – 10.45 am

COFFEE BREAK

10.45 pm – 12.00 pm

PROTECTING YOUR IDEAS

- A Primer in Intellectual Property
- LIVE Case Studies in Intellectual Property – The Taurus Clip

TBD  
TBD

12:00 pm – 12:30 pm

Innovation in US Healthcare Systems

TBD

12.30 pm – 13.30 pm

LUNCH AT THE INSTITUTE

## MINIMALLY INVASIVE SURGICAL SKILLS SESSION / IRCAD Laboratory 3F \*Lab Attire: Must Wear Closed-Toe Shoes\*

13.30 pm – 15.30 pm

MASTERING LAPAROSCOPIC SKILLS

- Open & Laparoscopic Suture Techniques
- Simulation-Based Learning on Perception, Motor Skills, & Artistry

## TEAM BUILDING / TBD \*Sports Attire: Water, Towel, Slippers / Waterproof Shoes, Change of Clothes\*

15.30 pm – 17.30 pm

TEAM BUILDING – TBD

- Dragon Boat @ 福 KAWA 龍舟基地
- Lugang Hand Craft
- Yoga

17.30 pm – 18.30 pm

DINNER BREAK – TBD

- Taiwanese Snack @ IRCAD-Taiwan 1F Cafeteria
- Lugang Food Tour

## TEAM PROJECTS / IRCAD Discussion Rooms

18.30 pm – 20.30 pm

TEAM PROJECT - Faculty Check-In and Slack Office Hours

20.30 pm – 00.00 am

END OF PROGRAM DAY 2

- Clean Your Discussion Rooms!
- Shuttlebus from IRCAD-Taiwan to Hotel – Let us know whenever your team is ready to go!

# WEDNESDAY

July 24<sup>th</sup> - 2024

08.00 am Shuttlebus from Hotel to IRCAD-Taiwan

## ENTREPRENEURIAL SESSION / IRCAD Auditorium 1F

Chair:

08.30 am – STRATEGIC PLANNING: turning ideas into action  
09.30 am • Market Access: Case Studies In Strategic Planning TBD  
• US Regulatory And Reimbursement Primer TBD

09.30 am – • “Live” case study from the OR: turning an idea to the fastest growing bariatric operation S. Perretta & D. McWilliams  
10.30 am

10.30 am – COFFEE BREAK  
11.00 am

11.00 am – • Building a Seed Round and Pitching your idea TBD  
12.30 pm • Panel: Pitching your Plan 黃沛聲 B. Huang  
• Starting a Company: The Good, the Bad, and the Ugly TBD

12.30 pm – LUNCH AT THE INSTITUTE  
13.30 pm

## ENGINEERING SESSION / IRCAD Auditorium 1F

Chair:

13.30 pm – DESIGNING THE FUTURE  
14.00 pm • The Data Revolution in Surgery TBD

## MINIMALLY INVASIVE SURGICAL SKILLS SESSION / IRCAD Laboratory 3F \*Lab Attire: Must Wear Closed-Toe Shoes\*

14.00 pm – Pre-Lab & Lab Demonstration  
14.30 pm

14.30 pm – MASTERING ENDOSCOPIC, IMAGING, & ROBOTIC SKILLS  
17.00 pm • Simulation-Based Learning  
• Interventional Imaging Modalities  
• Engineering Challenges

17.00 pm Group Photo – Fly your airplane!

17.15 pm Shuttlebus from IRCAD-Taiwan to Hardware Store & Night Market

17.45 pm – DINNER BREAK - Night Market Food Bingo @ 精誠夜市 Ching Cheng Night Market  
19.45 pm

HARDWARE STORE TRIP @ 立特佳五金百貨大賣場 Li Te Chia Hardware Store

19.45 pm Shuttlebus from Hardware Store & Night Market to IRCAD-Taiwan

## TEAM PROJECTS / IRCAD Discussion Rooms 2F

21.00 pm TEAM PROJECT - Faculty Check-In and Slack Office Hours

22.00 pm – END OF PROGRAM DAY 3  
00.00 am • Clean Your Discussion Rooms!  
• Shuttlebus from IRCAD-Taiwan to Hotel – Let us know whenever your team is ready to go!



# THURSDAY

July 25<sup>th</sup> - 2024

08.00 am Shuttlebus from Hotel to IRCAD-Taiwan

## FIRESIDE CHATS / IRCAD Auditorium 1F

Chair: 湯孝威 H.W. Tang

Introduction to Taiwan Medtech Innovation Resources (15 mins each)

- 苡樂 Maxima Biotech: Maximize the Value of MedTech Strengths in Taiwan
- 邁特 MightyNet
- 比翼 BE Accelerator
- Panel Discussion (15 mins)

湯孝威 H.W. Tang  
V. Lo  
李孟翰 M.H. Lee

08.30 am -  
09.30 am

COFFEE BREAK

What's Next – Possibility after B.E.S.T.? (10 mins each)

- 秀傳院內研究計畫 Show Chwan Research Funds
- 秀傳 & 中興 National Chung Hsing University
- 成功大學 National Cheng Kung University
- 北醫加速器 Taipei Medical University

朱旆億 P.Y. Chu  
張健忠 C.C. Chang  
楊岱樺 T.H. Yang  
易詩恩 S.E.Yi

10.00 am –  
10.40 am

Sharing from... Faculty & Alumni (20 mins)

- Good, Better, BEST and then?
- Panel Discussion

蕭精誠 C.C. Hsiao & 蔡易霖 I.L. Tsai  
All Faculties, Coach & Coach Assistants

10.40 am –  
11.00 am

## MINIMALLY INVASIVE SURGICAL SKILLS SESSION / IRCAD Auditorium 1F

Pre-Lab

LUNCH AT THE INSTITUTE

11.00 pm –  
11.30 pm

11.30 am –  
12.30 pm

## MINIMALLY INVASIVE SURGICAL SKILLS SESSION / IRCAD Laboratory 3F \*Lab Attire: Must Wear Closed-Toe Shoes\*

Animal Lab: BASIC PRINCIPLES OF LAPAROSCOPY SURGERY

- Entry techniques & trocar positioning
- Safe cholecystectomy, small bowel resection anastomosis, splenectomy, nephrectomy, etc.

**LAPAROSCOPIC COMPETITION – LASTT chance to win**

12.30 pm –  
16.30 pm

## TEAM PROJECTS / IRCAD Discussion Rooms 2F

TEAM PROJECT CONTINUATION

DINNER BREAK - Pizza Night

TEAM PROJECT CONTINUATION - Faculty Check-In and Slack Office Hours -

END OF PROGRAM DAY 3

- Clean Your Discussion Rooms!
- Shuttlebus from IRCAD-Taiwan to Hotel – Let us know whenever your team is ready to go!

22.00 pm –  
00.00 am



# FRIDAY

July 26<sup>th</sup> - 2024

08.00 am Shuttlebus from Hotel to IRCAD-Taiwan

## TEAM PROJECTS / IRCAD Discussion Rooms 2F

- 08.30 am – 09.30 am
- DASH TO THE FINISH LINE**
- Finishing Presentation & Prototype
  - Clean Your Discussion Rooms!

## PROJECT PRESENTATIONS / IRCAD Auditorium 1F

- 09.30 am – 11.00 am
- PROJECT PRESENTATIONS - AUDITORIUM - TAIWAN**
- Pitch at your B.E.S.T.

- 11.00 am – 11.30 am
- COFFEE BREAK**

- 11.30 pm – 12.30 pm
- BEST INNOVATION COURSE - CLOSING SESSION**
- Closing lecture: *“How diversity can drive Innovation”*
  - Selection of the BEST Innovation concepts
  - Awards ceremony: Delivery of the certificates of attendance

TBD

- 12.30 pm – 13.30 pm
- LUNCH AT THE INSTITUTE**

- 13.30 pm
- END OF PROGRAM DAY 5 – Clean & Pack Up!**

- 13.45 pm
- Shuttlebus from IRCAD-Taiwan to Hotel & Taichung HSR Station**



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*Thank You*

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