

## 17.2.3 國際合作收集資料以實現可持續發展目標

### ● 國際會議-張啟昌教授

會議名稱	時間及地點	參與的老師	網址
ICMHI 2022: 2022 6th International Conference on Medical and Health Informatics	May 13 - 15, 2022   Virtual Conference (Kyoto, Japan)	蔡明哲教 授、張啟昌 教授	<a href="http://icmhi.org/ICMHI2022.html">http://icmhi.org/ICMHI2022.html</a>

## ICMHI 2022

2022.5.13-15 | Virtual Conference (Kyoto, Japan)

Based on the inflexibility of COVID-19, organizing committee still decided to host the conference as Online Meeting to keep participants' safety. Thanks for all the support and understanding from the audience. We all hope to see you face to face next year!

ICMHI 2022 ACM conference proceedings: <http://dl.acm.org/citation.cfm?id=3545729>

## ICMHI 2022 INDEXING

The screenshot shows the Engineering Village record page for the ICMHI 2022 proceedings. The page includes a navigation bar with 'Engineering Village' logo, search options, and user account links. The main content area displays the record title '6th International Conference on Medical and Health Informatics, ICMHI 2022' and provides metadata such as the accession number (20224312990397), publisher (Association for Computing Machinery), and ISBN-13 (9781450396301). A sidebar on the left offers options for Abstract, Metrics, Conference Information, and Supplementary Information. The main text area contains an abstract snippet: 'The proceedings contain 58 papers. The topics discussed include exploring a universal training method for medical image classification; using a saliency-driven convolutional neural network framework for brain tumor detection; using machine learning for precision prognostics in head'.

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### Conference Partial Presenters



Opening Remarks



**Prof. Ming Che Tsai**  
Chung-Shan Medical University,  
Taiwan



**Prof. Chi-Chang Chang**  
Chung-Shan Medical University,  
Taiwan



**Prof. Taka-Aki Sato**  
University of Tsukuba, Japan

## Keynote Speech



**Prof. Yu-Chuan Jack Li | Taipei Medical University  
President of the International Medical Informatics Association**

## Student Essay Competition Session



## Session 1

Topic: Bioelectronics and Biomedical Image Processing

Best Presenter 1

KY0024



Paulo Henrique De C. Oliveira  
University of Brasilia, Brasilia, Brazil

**Topic:** Using a Saliency-Driven Convolutional Neural Network Framework for Brain Tumor Detection

Best Presenter 2

KY0016



Kecheng Lai  
Japan Advanced Institute of Science and Technology,  
Ishikawa, Japan

**Topic:** Analysis on Mechanisms of Idea Generation: Evidences from fNIRS Hyperscanning



## Session 2

Topic: Hospital Management and Medical Resource Allocation

Best Presenter

**KY0050**

Emma Montella

University of Naples "Federico II", Naples, Italy



Topic: Regression and Classification Methods for Predicting the Length of Hospital Stay After Cesarean Section: a Bicentric Study



## Session 3

Topic: Electronic Medical Record System and Analysis

Best Presenter

**KY0065-A**

Taxiarchis Botsis

Johns Hopkins University School of Medicine, Baltimore, USA



Topic: Top Challenges in Automating Clinical Decision Support in Pharmacovigilance



## Session 4

Topic: Bioinformatics and Biomedical Data Analysis

Best Presenter

**KY0031-A**

National Yunlin University of Science and Technology, Yunlin, Taiwan



Topic: Build a Biometric Recognition Model Using Markov Chain and Time Series Heart Rate Variability



## Session 5

Topic: Health Informatics and Health Care Quality

Best Presenter

KY0036

Hendri Susilo  
Universitas Airlangga, Surabaya, Indonesia



Topic: Type II Diabetes as the Main Risk Factor of Arterial Stiffness in Chronic Kidney Disease Patients



## Session 6

Topic: Public Health and Applied Statistics in Public Hygienics

Best Presenter

KY0060

Jonathan Harris  
Rensselaer Polytechnic Institute, New York, USA



Topic: Predicting Crimean-Congo Hemorrhagic Fever Outbreaks via Multivariate Time-Series Classification of Climate Data



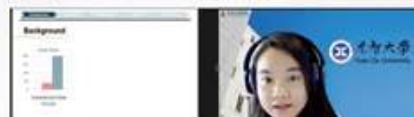
## Session 7

Topic: Medical Statistics and Applied Computing in Biomedicine

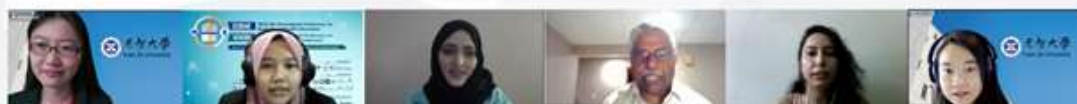
Best Presenter

KY0020-A

Florence Leony  
Yuan Ze University, Taoyuan, Taiwan



Topic: An Improved Oversampling Technique with Soft Label for Classification



## Session 8

Topic: Occupational Therapy

Best Presenter

**KY0015**

Tim Moesgen  
Aalto University, Espoo, Finland



Topic: Vibrotactile Motion Guidance for Stroke Rehabilitation: a Comparative Study



## Special Session 9

Topic: Intelligent Systems and Applications for Medical Informatics and Hospital Management

Best Presenter

**KY5026-A**

Jia-Lien Hsu  
Fu Jen Catholic University, New Taipei, Taiwan



Topic: Operating Room Use Time Estimation with Machine Learning Model



## Special Session 11

Topic: Nursing Informatics

Best Presenter

KY6027-A

Pei-Jyun Chih

Kaohsiung Medical University Chung-Ho Memorial Hospital, Kaohsiung, Taiwan



Topic: The Electronic Construction of Emergency Medical Records



## Special Session 12

Topic: EMR-Based AI Implementation in Hospital

Best Presenter

KY1007-A

I-Ning Yang

Chi Mei Medical Center, Tainan, Taiwan



Topic: Developing an AI Model for Risk Prediction of Intradialytic Hypotension and Implementing an AI Dashboard in Practice



## Special Session 13

Topic: Taiwan Cancer Registry

Best Presenter

**KY6024-A**

Wei-Ling Kao

Kaohsiung Medical University Hospital, Kaohsiung, Taiwan



Topic: CGMH Prognostic Score for Older Cancer Patients Undergoing Elective Major Abdominal Surgery: External Validation Using a Prospective Cohort



## Special Session 14

Topic: Intelligent Healthcare and Pharmaceutical Care

Best Presenter

**KY6001**

Huang Kuo-Kuang

Chihlee University of Technology, New Taipei, Taiwan



Topic: Are Africa on the Right Track to Prevent COVID-19? Reflections from African Business Magazine's Coverage of the COVID-19 Pandemic



## Special Session 15

Topic: The Impact of the Pandemic Process of Health Services and Paradigms in Turkey

Best Presenter

**KY6015-A**

Necla Yılmaz

Süleyman Demirel University, Isparta, Turkey



Topic: Homecare and Health Services in Turkey During the Pandemic Process





# Special Session 16

Topic: Cancer Recurrence

Best Presenter

KY5030-A

Chalong Cheewakriangkrai  
Chiang Mai University, Thailand



Topic: Role of Single Doxorubicin as a Second-Line Chemotherapy in Advanced and Recurrent Endometrial Carcinoma



## Conference Closing Ceremony

