7th Asia Pacific eHealth Conference 2023 亞太電子健康論壇2023

20 & 21 April 2023 (Thursday & Friday) | Hong Kong Science Park

ORGANISERS







Beyond Service Boundary: Extending from Hospital settings to Digital Health

Beyond Services Domain:
Extending from Treatment centric to Preventive centric

Beyond Border:
Extending Cross Border from HK to Asia Pacific

E-PROGRAMME



Table of Contents

- 1 Welcome Message from the Secretary for Health, Health Bureau
- 2 Welcome Message from the Office of the Government Chief Information Officer
- **3** Welcome Message from the Department of Health
- 4 Welcome Message from the Hospital Authority
- 5 Welcome Message from the Chairman, Organising Committee
- **6** List of Committees
- 7 List of Moderators & Speakers
- 9 Programme
- 12 Floor Plan & List of Exhibitors
- 13 Biographies and Abstracts
- **50** Academic Accreditations
- *51* Acknowledgement







Welcome to the Asia Pacific eHealth Conference 2023!

On behalf of the Health Bureau of the Hong Kong Special Administrative Region Government, I would like to extend our warmest greetings to the participants of the Conference. This Conference is a testament to the importance of advancing the adoption of eHealth in Hong Kong, and we are pleased to see that it brings together experts and industry representatives from all over the world to share their knowledge and expertise.

eHealth records are an integral part of modern healthcare and in Hong Kong, the Electronic Health Record Sharing System (eHRSS) is crucial in providing system and infrastructure support for the present data-driven and technology-intensive era of healthcare services. Going forward, we are advancing eHRSS to a new level, known as eHealth+, by turning eHRSS into a comprehensive and integrated healthcare operating and information infrastructure underpinning different tiers and sectors of the healthcare system, with a view to achieving the wider objective of integrating healthcare services, monitoring healthcare performance, and fully harnessing the potentials and opportunities offered by technologies to help individuals manage their personal health and wellness.

We are glad to be part of this important event and look forward to collaborating with all of you to ensure that eHealth+ is used to its fullest potential for the benefits of our citizens, healthcare providers and the wider community.

Congratulations to the Organising Committee for the successful organisation of such a meaningful event, and wish you all enjoy and be inspired throughout the Conference.

Professor Chung-mau LO, BBS, JPSecretary for Health

secretary for Flearti

Health Bureau

The Government of the Hong Kong Special Administrative Region of the People's Republic of China





Welcome to this year's Asia Pacific eHealth Conference (APEHC) 2023. This Conference provides an excellent platform for overseas and local healthcare and innovation and technology (I&T) professionals to share their insights and experiences on the development of electronic healthcare in Hong Kong.

The COVID-19 pandemic has presented unprecedented challenges to the public health systems around the world over the past three years. Tremendous resources on all fronts have been injected into the public health systems in carrying out various anti-epidemic programmes and operations, and technology has played a prominent role in combatting against the pandemic both globally and locally. Life and health technology has now become one of the core areas in the global I&T landscape, bringing enormous opportunities for its further advancement.

The Hong Kong SAR Government has been proactively developing smart digital infrastructure which is conducive to the enhancement of Hong Kong's digital healthcare capabilities. The "iAM Smart" platform launched in 2020 serves to enable users of the Electronic Health Record Sharing System to conduct online registration and verify their identities anytime and anywhere, as well as gain access to their electronic health records conveniently. The "HA Go" mobile app of the Hospital Authority also adopts the "iAM Smart" authentication for users to activate its online functions, such as making enquiries and managing medical appointments. We will continue to develop "iAM Smart" and enhance the user experience of healthcare and other online services, and to fully adopt "iAM Smart" for all digital services within three years so as to realise "single portal for online government services".

Looking ahead, the Government will continue to foster collaboration between the professionals in the healthcare and I&T fields, with a view to serving the patients better by providing them with a secure and yet easy to access healthcare services they require, as well as leveraging Hong Kong's advantages to promote healthcare innovation and co-operation in the Guangdong-Hong Kong-Macao Greater Bay Area.

I wish today's Conference a great success and hope that all of you will find it a fruitful event.

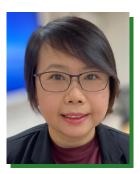
Ir. Tony WONG, JP

Acting Government Chief Information Officer

Office of the Government Chief Information Officer

The Government of the Hong Kong Special Administrative Region of the People's Republic of China





Ladies and gentlemen and esteemed guests, it is my pleasure to welcome you all to the 2023 Asia Pacific eHealth Conference.

The COVID-19 crises has accelerated adoption and evolution of technology by a quantum leap. COVID-19 has inspired both decision makers and general public to embrace information technology in all areas of life. Traditionally, process managers and decision makers tended to organise business / operation models without IT in mind. Now an IT enabled workflow is a pre-requisite for a successful initiative; and interoperable data / data quality are vital for any data-driven decisions.

The unprecedented scale of disease control measures have re-created public health to a new data-driven dimension. These included fully digital port health control, swift online disease reporting and verification, territory-wide laboratory testing, monitoring and support for home isolation, large-scale contact tracing, data and digitally enabled isolation and quarantine facilities, logistics and management for mass vaccination, QR codes to support social distancing, as well as efficient anti-epidemic law enforcement.

The new tech era requires that we expand COVID-19's experience to other established norms and practices. The Asia Pacific eHealth Conference is an excellent platform for health professionals, as well as the tech industry to share their insights and experience on digital transformation. This is a good opportunity for managers to embrace a new mindset and to refocus operational models around information technology.

The Conference will discuss the latest trends, challenges, and opportunities in digital health. There is an impressive lineup of speakers who will share their insights and best practices. I wish the Conference every success and I look forward to the inspiration and influence that this Conference will generate.

Dr. Liza TOHead, Informatics and Technology Office Department of Health

The Government of the Hong Kong Special Administrative Region of the People's Republic of China





On behalf of the Hospital Authority, I am delighted to extend my warmest congratulations to the Hong Kong Society of Medical Informatics, the eHealth Consortium and the HL7 Hong Kong on successfully organising the Asia Pacific eHealth Conference 2023 titled 'Beyond the boundaries'.

The healthcare delivery environment is continuously evolving, due to demographic shift, changing needs of patients, and notably the protracted COVID-19 pandemic in the past three years. Thanks to the efforts by the organisers, this conference brings together local and international experts to share their experience and insights on the development of electronic health record in addressing the challenges we are facing. I am sure the invaluable exchanges could contribute to the field.

I wish the event every success and all participants an inspiring and enlightening experience.

Dr. Tony KOChief Executive
Hospital Authority





Welcome to the Asia Pacific eHealth Conference 2023!

The Hong Kong territory-wide, patient-oriented Electronic Health Record Sharing System (EHRSS) has been in live since 2016. The recent pandemics have continuously transformed the whole medical and healthcare industry and we have seen a rising adoption of system from both the industry and the general public. By now, over 4 millions of populations have been enjoying the benefit of this services.

Hong Kong as the traditional gateway between the East and West has been privileged to have a unique start by networking all 43 public hospitals and 120+ public clinics since 1992, riding on same EMR system throughout the public sectors for a full interoperability. The pilot since 2007 for an unidirectional sharing of public patient data securely to private sector upon patient consent and privacy measures (the PPI-ePR pilot project) paved solid foundation for HKSAR government to confirm a bidirectional private-public sharing of data and set aside more than 700 millions HK dollars in 2008. The industry and government have worked together to set standardization, privacy protection and legal framework, with the territory wide EHR sharing system Bill was passed in July 2015, and live in March 2016.

This Conference comes in a good time to commemorate on this achievement. On behalf of the 3 most active eHealth organizations in Hong Kong, namely the HL7 Hong Kong, the Hong Kong Society of Medical Informatics and the eHealth Consortium, we proudly present to you this very special conference with the theme of "Beyond the boundaries".

This will be a very good occasion and prime arena for all international and local experts in the field of Electronic Health Records in the world to share their experience and challenges they have faced. At the same time, the Greater China eHealth Forum will be held concurrently to continue to enhance the eHealth Development in the Greater China region.

Please give us support, and join us in this meaningful event.

Dr. Charleston SINChairman
Organising Committee



List of Committees

Organising Committee

OC Chairman

Dr. Charleston SIN

Vice President / Executive Director eHealth Consortium / MIT Hong Kong Innovation Node

Member

Mr. Kenny CHIEN

Vice President & Immediate Past President / Chief Executive Officer eHealth Consortium / Cherrypicks

Mr. Kenneth CHAN

Past President / Vice President eHealth Consortium / Hong Kong Information Technology Joint Council

Mr. Terence CHIU

Vice President / Partner eHealth Consortium / Anthony Siu & Co. Solicitors & Notaries

Mr. Edward CHEUNG

Senior Systems Manager / Council Member Hospital Authority / HKSMI

Ms. Yvonne WONG

Board Member / General Manager eHealth Consortium / Qianhai International Liaison Services Limited

Ms. Mignone CHENG

Chief Marketing Officer GS1 Hong Kong

Organising Committee & Logistic Coordination Committee

OC Vice Chairlady / LCC Chairlady

Ms. Ingrid AU

President / Governor eHealth Consortium / HL7 HK

Member

Mr. Reggie WONG

Vice President / Director eHealth Consortium / Chamber of HK Computer Industry

Mr. Anthony CHEUNG

Council Member HKSMI

Ms. Wong Kam FUNG

Board Member / Vice Chairman eHealth Consortium / Hong Kong Alliance of Patients' Organizations Limited

Mr. MA Kam Wah, MH, JP

Co-opted Board Member / Chief Consultant eHealth Consortium / Ma Kam Wah & Co

Mr. Hengky CHAN

Director
T&T Development Limited

Organising Committee & Scientific Programme Committee

SPC Chairman

Dr. NT CHEUNG

Head of Information Technology and Health Informatics Hospital Authority

SPC Vice Chairlady

Dr. Joanna PANG

Chief Medical Informatics Officer / Chairman Hospital Authority / HKSMI

Member

Mr. Pascal TSE

Chairman / Chief Information Technology Officer HL7 HK / St Teresa's Hospital & St Paul's

Hospital

Mr. Michael FUNG

Vice Chairman / Chief Information Officer HL7 HK / CUHK Medical Centre

Mr. Alan YOUNG

Vice Chairman / Head of IT HL7 HK / Caritas, HK

Ms. Ellen KU

Board Member / President eHealth Consortium / College of Nursing

Mr. Clube NG

Co-opted Board Member / CEO eHealth Consortium / eHealth Research Institute

Dr. KP LEUNG

Co-opted Board Member eHealth Consortium

Mr. Tony YUNG

CEO

Peach Bioverse

Mr. Adam AU

Treasurer iBDG

Dr. Joseph NGUI

Founder N3

Prof. Thomas CHOI

Governor / Professor HL7 HK / The Hong Kong Polytechnic University



List of Moderators and Speakers

Moderators

Mr. Adam AU

Treasurer, iBDG, HKSAR

Mr. Kevin CAI

Chief Information Officer, Hospital Authority, HKSAR

Mr. Ernest CHAN

Founder, AESIR Ltd., HKSAR

Dr. NT CHEUNG

Head of Information Technology and Health Informatics, Hospital Authority, HKSAR

Mr. Kenny CHIEN

Vice President & Immediate Past President / Chief Executive Officer eHealth Consortium / Cherrypicks

Mr. Duncan CHIU

LegCo Member (Technology and Innovation Constituency), HKSAR / President, Hong Kong Information Technology Joint Council

Mr. Michael FUNG

Chief Information Officer, CUHK Medical Centre, HKSAR / Vice Chairman, HL7 HK

Dr. Joanna PANG

Chief Medical Informatics Officer, Hospital Authority / Chairman, HKSMI, HKSAR

Mr. Alan YOUNG

Head of IT, Caritas Hong Kong, HKSAR / Vice Chairman, HL7 HK

Mr. Fuller YU

Chief Information Security Officer, Hospital Authority, HKSAR

Mr. Tony YUNG

Co-Founder & CEO, Peach Bioverse Ltd, HKSAR

Speakers

Ms. Elise ANTHONY

Executive Director, The Office of the National Coordinator for Health Information Technology, USA

Mr. Assaf BARNEA

Chairman, Life Science Advisory Board, The Israel Export Institute, Israel

Mr. Jürgen BRANDSTÄTTER

Austrian Representative, GDHP/ Deputy Co-Chair, IHE Europe

Mr. Ronald CHAN

Account Technology Strategist, Microsoft Hong Kong, HKSAR

Mr. Leon CHANG

Assistant Chief Executive, Cyber Defence Group and Chief Risk Office, Integrated Health Information Systems, Singapore

Dr. Daphne CHEUNG

Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR

Dr. Eric CHEUNG

Cluster Chief Executive, Kowloon Central Cluster, Hospital Authority, HKSAR

Prof. Kenneth M.C. CHEUNG

HCE, HKU-Shenzhen Hospital, China

Mr. Michael CHEUNG

Systems Manager, Hospital Authority, HKSAR

Prof. Hong FUNG

Executive Director & Chief Executive Officer, CUHK Medical Centre, HKSAR

Mr. Grahame GRIEVE

FHIR Product Director, HL7 International / Principal, Health Intersections Pty Ltd, Australia



List of Moderators and Speakers

Mr. Kev HAU

Cyber Security Evangelist, a member of the CTO office, Check Point Software Technologies Ltd., HKSAR

Ms. Piret HIRV

Head, Health Technology Division, Estonian Connected Health Cluster / Tallinn Science Park Tehnopol, Estonia

Mr. Hing-loi HUI

Chief Systems Manager, Hospital Authority, HKSAR

Dr. Hon David LAM Tzit-yuen

LegCo Member (Medical and Health Services Constituency), HKSAR / Governor, HL7 HK

Mr. Felix LEE

Senior VP, GBA Healthcare Group, China

Dr. KP LEUNG

Co-opted Board Member, eHealth Consortium / Member of the HGC of Kowloon Hospital and Hong Kong Eye Hospital, HKSAR

Ms. Barbara LI

Partner, Reed Smith LLP, China

Mr. Da LIU

Managing Director, CRCP Life Science Fund, China

Dr. Justina LIU

Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR

Ms. Cathy LIU

Vice President, iKang Healthcare Group, China

Ms. Huijing LU

Operations Director, The Second Affiliated Hospital of Guangzhou Medical University, China

Dr. C C LUK

Vice Chairman, Virtus Medical Group, HKSAR

Dr. Alvin MARCELO

Executive Director, Asia eHealth Information Network, Philippines

Mr. Wilfred NG

Partner, Bird & Bird, HKSAR

Mr. Mathias NYLUND

Area Manager Greater China, HUR, Finland

Dr. Fei-chau PANG

Commissioner for the Primary Healthcare, Health Bureau, HKSAR

Ms. Lisa Lewis PERSON

Deputy National Coordinator for Operations & Chief Operating Officer, The Office of the National Coordinator for Health Information Technology, USA

Mr. Steven POSNACK

Deputy National Coordinator for Health Information Technology, The Office of the National Coordinator for Health Information Technology, USA

Prof. Shinji SHIMOJO

Director and Professor, Cybermedia Center, Osaka University, Japan

Mr. Yedu SIDDALINGAPPA

Product Manager – Al Driven Enterprise Networks, Juniper Networks

Ms. Mikki SMITH

ONC Chief Information Officer, The Office of the National Coordinator for Health Information Technology, USA

Mr. Xiaofan SU

Chief Medical Officer, Xiaohe Healthcare (Subsidiary of Bytedance), China

Ms. Jenny TAM

Vice President - Strategic Planning, Ewell Hong Kong, HKSAR

Ms. Winnie WONG

Executive Director and CEO,
Asia Insurance & Avo Insurance, HKSAR

Mr. Fangmin XIE

CEO, Jianke, China



Programme

Nov 1 - 20 April 2023



Day 1 - 2U	(Venue: Grand Hall, Convention Centre 3, 12W, Hong Kong Science Park)		
Time	Programme		
0830-0910	Registration		
0910-0940	Opening Ceremony		
0940-1050	Keynote Session (1) Overview of e-Health Hong Kong & Digital Health Transformation Moderator: Dr. NT CHEUNG Head of Information Technology and Health Informatics, Hospital Authority, HKSAR		
	Go beyond tradition in primary healthcare development Dr. Fei-chau PANG Commissioner for the Primary Healthcare, Health Bureau, HKSAR		
	The road to digital transformation in Kowloon Central Cluster- Command Centre and beyond Dr. Eric CHEUNG Cluster Chief Executive, Kowloon Central Cluster, Hospital Authority, HKSAR		
1050-1120	Break		
1120-1230	Keynote Session (2) Data Sharing and Telemedicine after COVID-19 Challenges Moderator: Mr. Kevin CAI Chief Information Officer, Hospital Authority, HKSAR		
	Digital Health in the Post-Covid New World Prof. Hong FUNG Executive Director & Chief Executive Officer, CUHK Medical Centre, HKSAR		
	e-Health in Hong Kong, a potential game changer Dr. Hon David LAM Tzit-yuen LegCo Member (Medical and Health Services Constituency), HKSAR / Governor, HL7 HK		
	Data protection issues in a data sharing arrangement – a case study in research collaboration project Mr. Wilfred NG Partner, Bird & Bird, HKSAR		
	Data sharing and telemedicine after COVID-19 Challenges Ms. Winnie WONG Executive Director and CEO, Asia Insurance & Avo Insurance, HKSAR		
1230-1400	Lunch		
1400-1530	Plenary Session (1) eHealth across Greater Bay Area (GBA) Moderator: Mr. Adam AU Treasurer, iBDG, HKSAR Prof. Kenneth M.C. CHEUNG HCE, HKU-Shenzhen Hospital, China Ms. Barbara LI Partner, Reed Smith LLP, China Ms. Cathy LIU Vice President, iKang Healthcare Group, China Mr. Fangmin XIE CEO, Jianke, China		
1530-1600	Break		
1600-1730	Plenary Session (2) GDHP Cyber Security Work Stream-Data Security & Data Privacy Moderator: Mr. Fuller YU Chief Information Security Officer, Hospital Authority, HKSAR		
	Call to action: global collaboration in defense of the healthcare industry Ms. Lisa Lewis PERSON Deputy National Coordinator for Operations & Chief Operating Officer, The Office of the National Coordinator for Health Information Technology, USA		
	GDHP cyber security work stream- global digital health model security notice Ms. Mikki SMITH ONC Chief Information Security Officer, The Office of the National Coordinator for Health Information Technology, USA		
	Cybersecurity landscape and approach to secure the healthcare ecosystem in Singapore Mr. Leon CHANG Assistant Chief Executive, Cyber Defence Group and Chief Risk Office, Integrated Health Information Systems, Singapore		
1730-1735	Take Home Message		



Programme

Day 2 - 21 April 2023

	Z I API II ZUZU		
Time		Programme	
0855-0900	We	Icome Remarks	
0900-1010	O10 Keynote Session 3 Global e-Health after COVID Pandemic Moderator: Dr. NT CHEUNG Head of Information Technology and Health Informatics, Ho. Authority, HKSAR		
	Technology, USA Mr. Jürgen BRANDSTÄTTER Austrian Represe	Office of the National Coordinator for Health Information entative, GDHP/ Deputy Co-Chair, IHE Europe dinator for Health Information Technology, The Office of tion Technology, USA	
1010-1030		Break	
1030-1130	Plenary Session (3a) Grand Hall A Investment in Health Tech Moderator: Mr. Duncan CHIU LegCo Member (Technology and Innovation Constituency), HKSAR / President, Hong Kong Information Technology Joint Council	Parallel Session (1) Grand Hall B Abstract Presentation Moderator: Dr. Joanna PANG Chief Medical Informatics Officer, Hospital Authority / Chairman, HKSMI, HKSAR	
		Blockchain based technology to improve quality and safety of Chinese Medicine traceability system Dr. Wilfred Wan-kei LIN	
	Israel: The present future of digital health - from start up nation to digital health nation Mr. Assaf BARNEA Managing Partner, Sanara Capital & Sanara Ventures / Chairman, Israel Export Institute - Life Science Board, Israel Mr. Da LIU Managing Director, CRCP Life	Using automated machine learning in classifying quantitative Hepatitis B virus DNA laboratory results to support medication safety decision checking Ms. Sena Yan-yan SZE	
		Co-developing a mobile app-based motivational interviewing module for patients with type 2 diabetes mellitus: a qualitative study Mr. Haoming TANG	
	Science Fund, China Mr. Felix LEE Senior VP, GBA Healthcare Group, China	Journey of chest X ray Al development in Hospital Authority Mr. Dennis LEE MyHealth in my hands Ms. Hiu-lam CHENG	
1130-1230	Plenary Session (3b) Applications of AI in eHealth Moderator: Mr. Alan YOUNG Head of IT, Caritas Hong Kong, HKSAR / Vice Chairman, HL7 HK	Securing trust in the global supply chain of COVID-19 vaccines through global standards Ms. Mignone CHENG Innovative use of augmented reality for enhancing healthcare services: a proof of concept study Ms. Ka-yan SHUM	
	Overview of Microsoft Azure Open Al for eHealth Mr. Ronald CHAN Account Technology Strategist, Microsoft Hong Kong, HKSAR	The journey of smart Accident & Emergency Department (AED) in Hospital Authority (HA) in Hong Kong – from paper-based to data driven model Ms. Winnie Wai-yin WONG Al hip fracture detection in accident & emergency setting	
	Healthcare under seige: key security challenges for hospitals, clinics, and medical centers Mr. Kev HAU Cyber Security Evangelist, a member of the CTO office, Check Point Software Technologies Ltd., HKSAR	Mr. Owen Wai-lok NG Agile development and fast deployment of data-driven clinical command centre in smart hospitals Dr. Anna YH TONG HA smart hospital - innovation in surgical instrument counting in operation theater Mr. Hoi-tik NGAN	
		A pilot Study: sharing of blood results to patients via HA Go to increase patient self-health management and modification Ms. Fanny Moon-yee LO	



Programme

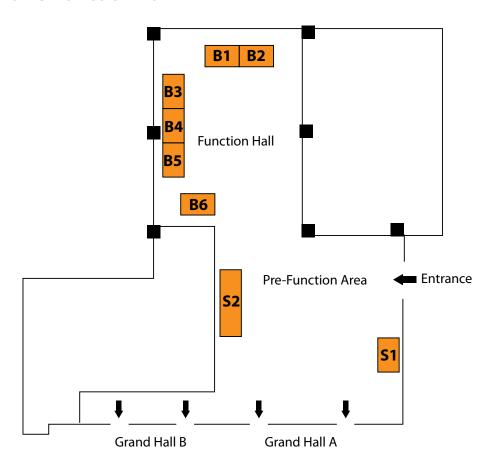


Time	Programme		
1230-1400		Lunch	
1400-1530	Symposium (1) Grand Hall A Innovation in Preventive Health Moderator: Mr. Michael FUNG Chief Information Officer, CUHK Medical Centre, HKSAR / Vice Chairman, HL7 HK	Parallel Session (2) Grand Hall B Data Interoperability for Patient Journey Moderator: Mr. Kenny CHIEN Vice President & Immediate Past President, eHealth Consortium / Chief Executive Officer, Cherrypicks, HKSAR	
	Co-designing a standalone music-with- movement intervention for people with cognitive impairment with stakeholders Dr. Daphne CHEUNG Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR Preventive health through clinical data exchange using HL7 Mr. Michael CHEUNG Systems Manager, Hospital Authority, HKSAR Smart on FHIR enables innovative solutions Mr. Grahame GRIEVE FHIR Product Director, HL7 International / Principal, Health Intersections Pty Ltd, Australia Virtual reality motor-cognitive training system for older adults with cognitive frailty Dr. Justina LIU Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR	How to deliver the promise of eHealth in a changing environment - 'The Estonian way' Ms. Piret HIRV Head, Health Technology Division, Estonian Connected Health Cluster / Tallinn Science Park Tehnopol, Estonia HA Go is a game changer for sustainable healthcare in Hong Kong Mr. Hing-loi HUI Chief Systems Manager, Hospital Authority, HKSAR Digitisation empowers patients Dr. KP LEUNG Co-opted Board Member, eHealth Consortium / Member of the HGC of Kowloon Hospital and Hong Kong Eye Hospital, HKSAR Strength for life - the HUR concept Mr. Mathias NYLUND Area Manager Greater China, HUR, Finland	
1530-1600	Offiversity, FINSAR	Break	
1600-1730	Symposium (2) Grand Hall A Next Era of e-Health in Asia Pacific Moderator: Mr. Tony YUNG Co-Founder & CEO, Peach Bioverse Ltd, HKSAR Designing future society for our lives Prof. Shinji SHIMOJO Director and Professor, Cybermedia Center, Osaka	Parallel Session (3) Grand Hall B Leading Technology Trends in eHealth Moderator: Mr. Ernest CHAN Founder, AESIR, HKSAR The Unified Smart Hospital Ecosystem: harnessing the power of smart hospital, pharmacy, and IoMT solutions Ms. Jenny TAM Vice President - Strategic Planning,	
1730-1745	University, Japan 构建数字健康战略发展新格局,重塑数字健康管理服务新模式 Ms. Huijing LU Operations Director, The Second Affiliated Hospital of Guangzhou Medical University, China Achieving universal health coverage through human and technology interoperability: the Asia eHealth information network community of interoperability labs Dr. Alvin MARCELO Executive Director, Asia eHealth Information Network, Philippines HK's next model of Public Private Partnership, data sharing and service integration Dr. C C LUK Vice Chairman, Virtus Medical Group, HKSAR Reimagining cancer screening paradigm - a shared vision to detect cancer earlier Mr. Xiaofan SU Chief Medical Officer, Xiaohe Healthcare (Subsidiary of Bytedance), China	Artificial intelligence in eHealth Mr. Simon LUI Senior Delivery Manager, Solution Division, Automated Systems (H.K.) Limited, HKSAR Empowering healthcare networks for the digital age: the advantages of Al-enabled network infrastructure Mr. Yedu SIDDALINGAPPA Product Manager – Al Driven Enterprise Networks, Juniper Networks	
1730-1745	Clo	osing Remarks	



Floor Plan & List of Exhibitors

Grand Hall & Function Hall



Booth No.	Company
S 1	Check Point Software Technologies Ltd.
S2	Microsoft Hong Kong
B1	Juniper Networks
B2	Peach Bioverse
В3	Automated Systems (H.K.) Ltd.
B4	Ewell Hong Kong
B5	Cherrypicks
В6	EonConnect Solutions Limited



Keynote Session (1) Overview of e-Health Hong Kong & Digital Health Transformation

Dr. Fei-chau PANG

Commissioner for the Primary Healthcare, Health Bureau, HKSAR

Dr. Fei-chau PANG is the current Commissioner for Primary Healthcare, the Government of the Hong Kong Administrative Region Health Bureau. He is the president of the Hong Kong College of Community Medicine. He has also the fellow of the Hong Kong College of Physicians and the Royal Australasian College of Medical Administrators.

Prior to this position, Dr. PANG was the Clinical Associate Professor of the School of Public Health, LKS Faculty of Medicine of the University of Hong Kong and honorary consultant of Department of Medicine, Queen Mary Hospital. Dr. PANG is an experienced health service executive and have been the Head of Human Resources of the Hospital Authority to provide strategic advice and leadership to the HR function of over 40 public hospitals. He has extensive management experiences in healthcare sector like being the Hospital Chief Executive of the Grantham Hospital and Tung Wah Hospital, Chief Manager under Cluster Services Division and Quality and Safety Division at Head Office of the Hospital Authority.

He was appointed as the member of the Elderly Commission of the Government of the Hong Kong Special Administrative Region between 2015-2019.

Go beyond tradition in primary healthcare development

Primary Healthcare Reform in Hong Kong has been going on the road for over 30 years, with rapid ageing population, the newly issued Primary Healthcare Blueprint plans to speed up the reform on a highway. Data Connectivity is one of strategic focus in the Blueprint in which eHealth development will be the major platform not only for data sharing but also building connection across health service providers. In the first report "Health for All —the Way Ahead" published in 1990, technology was just at infant stage to serve the function of information management, but now it becomes the engine for the reform. IT is a highly effective tool to drive changes, but its positioning in primary healthcare is critical for a right direction by taking account of current local health seeking behavior and traditional practices of professionals. It will be key concerns how eHealth can work to change seeking behavior from getting treatment in traditional giant community complex to preventive care through interconnected network services. It will be also a question how primary care providers can adopt new roles and be used to bi-directional interface with secondary medical care. The reform will only be successful if IT can drive the reform beyond the traditional notion and practices.



$\overline{}$

Keynote Session (1) Overview of e-Health Hong Kong & Digital Health Transformation

Dr. Eric CHEUNG

Cluster Chief Executive, Kowloon Central Cluster, Hospital Authority, HKSAR

Dr. Eric CHEUNG is a specialist in psychiatry and is currently the Cluster Chief Executive of the Kowloon Central Cluster of the Hospital Authority and the Hospital Chief Executive of Queen Elizabeth Hospital.

Dr. CHEUNG is a senior executive with solid experience in healthcare service management. Prior to his current appointment, he was the HCE of Kwong Wah Hospital from 2017 to 2022 and Castle Peak and Siu Lam Hospital from 2012 to 2017. Dr. CHEUNG has led various service improvement initiatives, such as steering the KWH redevelopment project and formulating various initiatives to relieve access block in QEH. He has also played a significant role in driving and shaping service development in mental health at the corporate level.

The road to digital transformation in Kowloon Centra Cluster – Command Centre and beyond

Queen Elizabeth Hospital (QEH) is one of the busiest hospitals in Hong Kong, with hundreds of admissions and discharges every day. Maintaining sufficient bed capacity is always a challenge in the context of escalating service demand due to ageing of the population, especially during the winter period, when access block at the Accident and Emergency Department is not uncommon.

To tackle these long-standing challenges, QEH, as one of the pilot hospitals in the Hospital Authority to pursue Smart Hospital initiatives, established a Hospital Command Centre (HCC) in October 2020 under the joint effort of the Cluster Information Technology Division (KCCIT) and the Head Office Information Technology and Health Informatics Division (IT&HID). The HCC aims to improve the efficiency and quality of patient management by integrating real-time patient-related and logistic data to facilitate patient management and expedite bed turnover. A co-delivery approach was adopted with the involvement of user departments, Administrative Services, KCCIT and IT&HID to develop the system algorithm for linking data and embodying features of various corporate systems to facilitate the operation of the HCC. During the COVID-19 pandemic, building on the foundation of the HCC, a COVID-19 Command Centre Module (COVID-19 CCM) was quickly set up to manage the frequent flow of COVID-19 patients among various facilities both within and between hospitals by optimising the use of real-time bed statistics, clinical information and resources available.

Looking into the future, a Doctor Dashboard and an AI prediction model are being developed to improve patient management and speed up hospital discharges.



Keynote Session (2) Data Sharing and Telemedicine after COVID-19 Challenges

Prof. Hong FUNG

Executive Director & Chief Executive Officer, CUHK Medical Centre, HKSAR

Prof. Hong FUNG is the Executive Director and Chief Executive Officer of the CUHK Medical Centre (CUHKMC). CUHKMC is the private teaching hospital wholly owned by The Chinese University of Hong Kong (CUHK).

Prof. FUNG is also Professor of Practice in Health Services Management at the Jockey Club School of Public Health and Primary Care, CUHK, where he teaches healthcare innovation and technology management, healthcare financing, and communications and marketing in the School's master and leadership programs.

Digital health in the post-covid new world

It won't be the same after Covid-19. The 3-year pandemic has exposed weaknesses of health systems. At the same time, it has stimulated the surge on the use of telemedicine especially in providing medical care for Covid patients. After the pandemic, in the Mainland and Hong Kong Special Administrative Region (HKSAR), as well as in other countries like Singapore, health authorities are introducing reforms to strengthen the health systems, aiming to improve resilience and better prepared for the next major epidemic. A common direction is to strengthen primary healthcare, supported by digital health development, to protect health, prevent future outbreaks, and manage the increased prevalence of chronic diseases.

Notwithstanding technology advances, there are many challenges in transforming healthcare through digital health. In HKSAR, despite the setting up of the e-Health Record Sharing System (eHRSS), the sharing or viewing of health records is heavily one way — from public to private. Contribution from private doctors to the e-health records is far from satisfactory. In the "Primary Healthcare Blueprint" published by the Government in December 2022, "improving data connectivity and health surveillance" is proposed as one of the five key strategies. The aim is to create an eHealth account for individual citizen and to strengthen population health surveillance. Prevailing issues and obstacles, most importantly trust, on the use of eHRSS and sharing of health records must be addressed in order to achieve the policy objective.

There is also an increasing expectation and demand for the sharing of health data and records across the border with the economic integration of the HKSAR into the Greater Bay Area (GBA). Such cross-border sharing can no longer rely on point-to-point eHRSS. New technology platform will have to be developed, addressing challenges from regulatory requirements, privacy and security, and data ownership and portability.



Keynote Session (2) Data Sharing and Telemedicine after COVID-19 Challenges

Dr. Hon David LAM Tzit-yuen

LegCo Member (Medical and Health Services Constituency), HKSAR / Governor, HL7 HK

Dr. David LAM is a Member of the Legislative Council, HKSAR, representing the Medical and Health Subsector. He is qualified as a Specialist in General Surgery in 1998. He is the Founding Chairman of Medical Conscience. On the policy side, Dr. LAM has served on several Government consultative committees over the years, including the Voluntary Health Insurance Scheme Consultative Group, Project Steering Committee on Standards for Ambulatory Facilities, Colorectal Cancer Screening Pilot Programme Task Force and the Health and Medical Development Advisory Committee.

e-Health in Hong Kong, a potential game changer

CMS has revolutionarize medical record keeping in HA. The times of lost records are gone. Vast amount of data coupled with a short consultation time calls for artificial intelligence to assist in deciphering the data.

The next step will be a universal medical record system whereby each person will have one record only, to be shared by all his healthcare providers, whether public or private. We foresee hurdles in building this universal medical record system, which relates to extra liability, extra work in terms of repetitive entries and loss of functionalities for healthcare providers. Doctors do not merely use their commercially available systems to keep records. They are also accounting and stocktake systems. These can nonetheless be overcome by a flexible policy and technical adjustment. An mandatory upload imposed on vendors of a minimal dataset should pave way to solve the problem.

Patients are also users of the e-Health system. HA-GO is an excellent initiative and the scope of application should widen.

The ultimate e-Platform should be a universal medical record data-base which is compatible with commercially available systems, a viewer for all healthcare providers to share essential progress and a platform of communications for healthcare providers. It is an apps for the doctor to manage patient care, and an apps for the patient to engage in his own healthcare.

Finally, we should consider extending e-Platform to GBA. That calls for bilateral talks between the Hong Kong Government and her counterparts to allow practicing across the border via the cyberspace.



Keynote Session (2) Data Sharing and Telemedicine after COVID-19 Challenges

Mr. Wilfred NG

Partner, Bird & Bird, HKSAR

Wilfred is a partner in Bird & Bird's Commercial team based in Hong Kong. As a technology, media, telecoms and data protection lawyer, he has over 10 years of experience in all areas of commercial, transactional, regulatory and advisory work in the TMT sectors. Prior to re-joining the firm, he was a Senior Legal Counsel with Tencent and assisted in co-founding its International Privacy and Data Protection Team where he advised on all aspects of international data protection compliance.

He regularly advises clients on a variety of commercial, corporate and regulatory matters in the different sectors of cloud services, financial services, media and digital content, telecommunications, retail, healthcare, hospitality services and public institutions. These for example include advising on sector-specific regulatory concerns such as data protection risks in the operation of healthcare services, payment regulatory issues arising from fintech solutions, as well as negotiating and preparing complex and cross-border technology contracts for disruptive technologies. Recently, he has advised on projects concerning distributed ledger technology, biometric processing and cloud-based transaction processing services.

Data protection issues in a data sharing arrangement – a case study in research collaboration project

The analysis of health data and patient information is commonly accepted as an integral supply of research information for public policy and healthcare services. The technological improvements recently in the form of big data analysis and other artificial intelligence based processing have changed our treatment of electronic health records and other health-related data significantly, most prominently in the increasing use of collaborative research platforms in which health data is analysed, understood and processed. This short presentation will seek to examine on a high-level the common data protection issues encountered in the implementation of such technology. Using a research project as a use case, concepts of anonymised and synthetic data will be considered.



Keynote Session (2) Data Sharing and Telemedicine after COVID-19 Challenges

Ms. Winnie WONG

Executive Director and CEO, Asia Insurance & Avo Insurance, HKSAR

Winnie is the CEO & Executive Director of Asia Insurance Company Limited (a leading composite insurance company in Hong Kong) and Avo Insurance Company Limited (the first virtual general insurer in Hong Kong). Prior to Asia Insurance, she was the CEO of Aon Risk Solutions Hong Kong/Macau and Assistant General Manager of Royal & Sun Alliance Insurance. She has over 25 years' experience in Insurance and Risk Management Consulting.

She is a recognized industry expert, regularly speaking at numerous industry conferences and is very active in the insurance industry and community. She is currently Convenor of the New Business Committee of the Financial Services Development Council (FSDC). She also sits on The Human Resources Planning Commission, The Independent Commission on Remuneration (for Members of the Executive Council and the Legislature, and Officials under the Political Appointment system of the HKSAR), Advisory Board of Hong Kong Export Credit Insurance Corporation (HKECIC), The Resolvability Review Tribunal, MPF Schemes Advisory Committee, Higher Rights Assessment Board, FSTB Steering Committee on the Pilot Program to Enhance Talent Training for the Insurance Sector and HKTDC Belt & Road Committee - Professional Services Working Group.

Winnie is also the Chairman of Hong Kong Federation of Insurers (HKFI), Councilor of General Insurance Council (GIC), Chairman of Task Force on Task Force on Customer Advocacy. Further, Honorary Secretary of The Insurance Complaints Bureau (ICB), Deputy Chairman/Councilor of Motor Insurers' Bureau (MIB) and a Councilor of Employees Compensation Insurer Insolvency Bureau (ECIIB). She is a member of Hong Kong Academy of Finance (HKAoF), a member of Board of Trustees and a Director of the Alumni Association of Shaw College of The Chinese University of Hong Kong (CUHK), also the MBA Alumni Advisory Board of The HK University of Science & Technology (HKUST).

Data sharing and telemedicine after COVID-19 Challenges



Plenary Session (1) eHealth across Greater Bay Area (GBA)

Prof. Kenneth M.C. CHEUNG

HCE, HKU-Shenzhen Hospital, China

Kenneth M.C. CHEUNG is the Jessie Ho Professor in Spine Surgery of the Department of Orthopedics and Traumatology, The University of Hong Kong. In 1987, he obtained his undergraduate medical degree at the Medical College of St Bartholomew's Hospital, The University of London, UK. He became a fellow of the Royal College of Surgeons of England in 1991, and a Fellow of the Hong Kong Academy of Medicine in 1995. After returning to Hong Kong from the UK in 1992, he pursued both a clinical career in Spinal Surgery, as well as a research career culminating in the award of an MD from The University of Hong Kong in 2007.

His research interests are in the genetics of intervertebral disc degeneration and scoliosis, stem cell regeneration of the disc, and the development of novel surgical technologies for the treatment of spinal deformities. He has been invited as visiting professor and speaker on multiple occasions to international meetings. He has published 11 book chapters and 195 publications in top scientific and spine journals, including Lancet, American Journal of Human Genetics, Arthritis and Rheumatism, Biomaterials, Journal of Bone and Joint Surgery and Spine.

Professor CHEUNG holds 15 patents and has 16 personal and 37 team awards for research excellence. Notable in 2008, he received the Henry Farfan Award from the North American Spine Society for his outstanding contributions in spine related basic science research; in 2010, he received the prestigious ISSLS prize from the International Society for the Study of the Lumbar Spine; and in 2012 received a prestigious endowed professorship in Spine Surgery from the University of Hong Kong. He has secured multiple research grants from local, regional and international granting bodies totaling over US\$5 million.

Professor CHEUNG is the past President of the Scoliosis Research Society, as well as the Editor-in-Chief for Journal of Orthopaedic Surgery. He is also the past President of the Hong Kong College of Orthopaedic Surgeons. Previously he was the Chairman of the AOSpine Research Commission, coordinating research on a global level for AOSpine, and was the Organizing Chairman of the World Forum for Spine Research in Kyoto (2008), Montreal (2010), Helsinki (2012), and Xian (2014).



Plenary Session (1) eHealth across Greater Bay Area (GBA)

Ms. Barbara LI

Partner, Reed Smith LLP, China

Barbara is a tech/data/M&A lawyer and partner based in the Beijing office of international law firm Reed Smith LLP. With almost three decades' experience benefiting from her role as a partner at leading international firms in China and UK, a senior in-house position at an MNC in China, as well as a partner at PwC to provide business consultancy services, Barbara brings a wealth of knowledge to advising international and Chinese companies on doing business in China and globally. She focuses her practice on complex, cross-border M&As, joint ventures, strategic alliances and foreign direct investment in a wide range of industries, including life sciences, pharma and medical devices, healthcare, automotive, aviation, consumer brands, e-commerce, financial services, and high-end manufacturing. She also counsels Chinese companies on their outbound strategies and major investments and transactions.

Barbara has a particular interest and expertise in the cyber, data, technology and FinTech sectors, with significant experience advising MNCs and financial institutions on navigating China's evolving legal regime governing data and cybersecurity. She is regularly engaged by clients to provide legal support on high-stakes data and cybersecurity-related issues including managing complex, cross-border data transfers, the digital transformation of businesses, and the deployment of emerging technologies such as AI, big data, cloud computing and blockchain. Barbara also advises Chinese companies on global data compliance projects under the laws of other countries, such as the EU GDPR.

Barbara is widely recognised as an eminent data/tech lawyer and is described as "having extensive experience in complex TMT regulatory issues" by *Legal 500*. She is ranked as a leading individual in corporate, M&A, TMT and FinTech by various legal directories, including *Chambers, Legal 500, Asian Legal Business, IFLR1000* and *WhichLawyer*, and received the China Top 15 TMT Lawyer award 2020 from *Asian Legal Business*.

Benefiting from her in-house experience, Barbara works closely with the industry and is frequently invited to share her insights at premier international professional and industry conferences organised by the IAPP, AdvaMed, AmCham, the Asia Privacy Forum and the Economist Corporate Intelligence Network, among others.

She is a Certified Information Privacy Professional (CIPP/EU) by the International Association of Privacy Professionals (IAPP), an IAPP-designated writer for the Asia-Pacific region and sits on the IAPP Women Leading Privacy Advisory Board. She also serves as the Vice Chair of the Cybersecurity Sub-Working Group of the EU Chamber of Commerce in China.

Barbara is dual-qualified in the UK and China and highly proficient in both English and Chinese.



Plenary Session (1) eHealth across Greater Bay Area (GBA)

Ms. Cathy LIU

Vice President, iKang Healthcare Group, China

Ms. Liu is the Vice President of Strategic Partnership in iKang Healthcare Group Inc. and is responsible for the strategic partnership and investments. Prior to iKang, Ms. Liu held position in Far East Horizon Principal Investment Department focusing on healthcare sector investment. Prior to her career in mainland China, she worked as an investment banker in BofAML and ABN AMRO/RBS in Hong Kong and London. Ms. Liu holds LLB degree in International Politics and BA degree in Economics from Peking University, and Master of Philosophy degree from The University of Hong Kong. She became CFA charterholder in 2011.



Plenary Session (1) eHealth across Greater Bay Area (GBA)

Mr. Fangmin XIE CEO, Jianke, China

Mr. XIE joined Guangdong Jianke as its shareholder in 2011, and founded Yunyi Inc., the ultimate parent company of the group before the reorganization, in August 2015. Prior to that, Mr. Xie worked in the Guangzhou branch of Baidu (China) Co., Ltd. from August 2005 to March 2009, and his last position was the value-added service director of the operation department.



Plenary Session (2) GDHP Cyber Security Work Stream-Data Security & Data Privacy

Ms. Lisa Lewis PERSON

Deputy National Coordinator for Operations & Chief Operating Officer, The Office of the National Coordinator for Health Information Technology, USA

Lisa Lewis PERSON serves as the deputy national coordinator for operations and the chief operating officer at the Office of the National Coordinator for Health Information Technology. She has dedicated her exemplary and extensive federal career to serving the American people with excellence. In her current role, she is responsible for providing executive oversight and setting the strategic direction for matters related to program integrity, budget formulation and execution, financial assistance and acquisitions management, human capital, information technology, operational services, enterprise risk management, freedom of information act (FOIA) requests, legislative affairs, cybersecurity, and enterprise architecture. She has created an outstanding operations infrastructure in ONC and has developed a team of leaders and staff that excel in every operational area.

Throughout her career, Mrs. PERSON established three new government organizations, managed, mentored and directed hundreds of federal workers and contractors, implemented new federal programs, led operational success, and oversight of billions of federal dollars. Prior to her current role within ONC, Mrs. PERSON served as ONC's chief grants management officer, establishing and adroitly managing a new office responsible for the oversight of over \$1.7 billion in grants and cooperative agreements. She also served as the acting Assistant Administrator for the Grant Programs Directorate (GPD) within the Federal Emergency Management Agency (FEMA), where she led the consolidation of three separate offices into a new FEMA directorate, GPD. She has worked to develop strong career development opportunities, clear promotion pathways, and transparent expectations throughout her organization. Mrs. PERSON is a results-oriented senior executive who has led public policy and operational transformation in multiple organizations and initiatives.

Mrs. PERSON is a champion for diversity, equity, inclusion, and accessibility (DEIA). She is the executive sponsor for many of ONC's diversity efforts, including a DEIA council, and a recruitment and outreach effort focused on minority serving institutions that spans HHS. She led the creation of the Public Health Informatics and Technology Workforce Program. This program is leading the way in creating a diverse pool of public health professionals and informaticists by training over 4,000 students from minority serving institutions. One of Mrs. Person's professional priorities is to include diverse voices and perspectives in the American healthcare system and health IT landscape.

Over the course of her career, Mrs. PERSON has been awarded the Department of Homeland Security Secretary's Award, National Coordinator's Award, Department of Health and Human Services Best Practice Award for Innovation, Department of Health and Human Services Secretary's Award for Meritorious Service, ONC award for Excellence in Management, Gears of Government Award from the Office of Management and Budget, and was named one of the 10 most influential women in health IT.

Call to action: global collaboration in defense of the healthcare industry





Plenary Session (2) GDHP Cyber Security Work Stream-Data Security & Data Privacy

Ms. Mikki SMITH

Chief Information Officer, The Office of the National Coordinator for Health Information Technology, USA

As the ONC CIO, Ms. Mikki Smith applies her cybersecurity and Health IT expertise to all of ONC and leads the Cybersecurity and Enterprise Architecture Division. She is responsible for developing the overall vision for ONC's enterprise wide cyber and IT roadmaps, ensuring the implementation of a true lifecycle approach, while maintaining the adaptability needed for ONC to securely meet its mission of enabling health and care through access, exchange, and use of data.

Mikki joined the joined the ONC organization in 2015, as the Security Branch Chief with Health and Human Services (HHS), Office of the National Coordinator (ONC), Office of the Chief Privacy Officer (OCPO). In that role she assists the Chief Privacy Officer (CPO) and the Security Branch develop and coordinate privacy, security, and data stewardship policy across the federal government, state and regional agencies, and foreign countries by providing subject matter expertise and technical support.

Mikki brings to ONC a wide breadth of Cybersecurity experience from multiple Federal and private sector roles spanning 15+ years of IT, Cybersecurity and Security Program acumen. She is considered an industry leader and expert in the area of information system security policies and procedures, applications and network security architectures, DoD and Management & Budget(OMB) and Federal IA and Security requirements.

Mikki Smith has served as a Cyber Security leader for agencies such as Federal Emergency Management Agency (FEMA), Defense Health Agency (DHA) and the Department of the Interior (DOI). She has led large, complex, multi-disciplined and multi-geographical cybersecurity teams and programs within the private sector and government space.

A Certified Information Systems Security Professional (CISSP), Project Management Professional (PMP) and Certification and Accreditation Professional (CAP) she has been recognized and presented with awards for her leadership and technical expertise.

GDHP cyber security work stream- global digital health model security notice



Plenary Session (2) GDHP Cyber Security Work Stream-Data Security & Data Privacy

Mr. Leon CHANG

Assistant Chief Executive, Cyber Defence Group and Chief Risk Office, Integrated Health Information Systems, Singapore

Leon CHANG is the Assistant Chief Executive in charge of the Cyber Defence Group & Chief Risk Office for the Integrated Health Information Systems (IHiS). IHiS is the technology agency for Singapore's public healthcare sector which aims to improve the Singapore population's health and health administration by integrating intelligent, highly resilient, and cost effective technologies with process and people.

Leon works closely with the Ministry of Health and Public Healthcare Institutions to uplift cyber defences across the sector. Specifically, he oversees the public healthcare's cyber defence strategy, policy, governance, risk management and policy compliance, as well as the operation of public healthcare's cyber defence capabilities in identifying, preventing, detecting, responding to and recovering from threats and incidents. He also heads the Chief Risk Office responsible for IHiS' Enterprise Risk Management, audit management, compliance assurance as well as Data Protection and Third Party Risk Management among others.

Cybersecurity landscape and approach to secure the healthcare ecosystem in Singapore



Keynote Session 3 Global e-Health after COVID Pandemic

Ms. Elise ANTHONY

Executive Director, The Office of the National Coordinator for Health Information Technology, USA

Elise Sweeney ANTHONY is the Executive Director of the Office of Policy within the Office of the National Coordinator for Health IT (ONC) at the U.S. Department of Health & Human Services. She leads ONC's global initiatives, domestic policy, regulatory development, and federal engagement portfolios, including leading ONC's implementation of the Trusted Exchange Framework and Common Agreement for health information exchange. Her work also includes leading a workforce development program that will train more than 5,000 individuals through an interdisciplinary approach to public health informatics and technology and working with more than 25 federal organizations in the development of the Federal Health IT Strategic Plan (2020-2025).



Keynote Session 3 Global e-Health after COVID Pandemic

Mr. Jürgen BRANDSTÄTTER

Austrian Representative, GDHP/ Deputy Co-Chair, IHE Europe

Mr. BRANDSTÄTTER is representing Austria in the Global Digital Health Partnership on behalf of the Austrian Federal Ministry of Social affairs, Health, Care and Consumer Protection.

Also, he is a standards expert and passionate proponent of "standards-based interoperability" and active in several standardization organizations at national and international level, in particular in the Integrating the Healthcare Enterprise (IHE) initiative, where he was the main creator of several IHE profiles and is currently promoting the collaboration and cooperation among the standards development organizations IHE and HL7.

He is participating in multiple eHealth consulting projects in Austria, Saudi Arabia, Greece, Czech republic, Slovakia, Poland, Switzerland, Asian Development Bank, WHO, the EU Commission (epSOS, X-eHealth) and is an active member of the European eHealth DSI community on the creation of specifications for cross border healthcare across Europe and beyond.



Keynote Session 3 Global e-Health after COVID Pandemic

Mr. Steven POSNACK

Deputy National Coordinator for Health Information Technology, The Office of the National Coordinator for Health Information Technology, USA

Steven POSNACK serves as the Deputy National Coordinator for Health Information Technology. In this role, he advises the national coordinator, leads the execution of ONC's mission, and represents ONC's interests at a national and international level. In conjunction with the national coordinator, Steve oversees ONC's federal coordination, regulatory policy, public-private initiatives, and the overall implementation of statutory authorities and requirements, such as those from the 21st Century Cures Act and HITECH Act.



Plenary Session (3a) Investment in Health Tech

Mr. Assaf BARNEA

Managing Partner, Sanara Capital & Sanara Ventures/ Chairman, The Israel Export Institute- Life Science Advisory Board, Israel

Assaf is a seasoned entrepreneur and venture professional with extensive experience in venture investments, building innovation platforms and commercializing and scaling healthcare related startups. He has been leading Sanara Ventures, an Israel based HealthTech innovation fund backed by Phillips, Teva and the Israel Innovation Authority, since its inception in 2015 and serves as Managing Partner of Sanara Capital. A followon fund to Sanara Ventures, Sanara Capital invests in A & B rounds of Israeli-related Digital Health, Bio-Convergence and Medical Devices companies. Assaf is also a recognized keynote speaker, sharing his vision for healthcare innovation at HealthTech conferences across the globe. In addition to leading Sanara, Assaf is the Chairman of the Life Science Board at the Israel Export Institute, where he promotes the global export of Israeli healthcare related technologies in the medical, biotech, pharma and digital fields. A valued consultant, Assaf was an advisor to the World Bank's IFC venture capital team and a co-founder of the IFC's Tech Emerge initiative, a unique acceleration platform that connects healthcare startups from around the world with leading corporations and hospitals in emerging economies. In December 2018, Tech Emerge Health won the World Bank Group President's award for innovation. Formerly, Assaf was one of the founders of CardioSense, a MedTech startup company that developed a probe for early shock detection in various medical settings. Before lending his multidisciplinary acumen to Sanara Ventures, Assaf served for 6 years as CEO of Kinrot Ventures, spearheading its acquisition by Hutchison Whampoa, a HK based conglomerate, in 2012. Prior to that, he headed business development at Mekorot, Israel's national water company, where he oversaw the establishment of WaTech, the Entrepreneurship & Partnership Center for Water Technologies. For his accomplishments in both Mekorot and Kinrot, he received the Cleantech Group's Innovation Hero Award in April 2013, which recognizes individuals whose commitment, drive and passion have driven innovation among many start-up companies. Previously, Assaf served for four years as Director of Business Development at Comverse, a global provider of telecommunication added value technologies, where he also co-chaired the Mobile Marketing Association.

A unique highlight in Assaf's story is his former stint as a college basketball player at New Jersey's Seton Hall University, where he won the Big East championship against Georgetown in 1991. He went on to play professional basketball for 14 years in Israel's top national league and in various European cups, while completing multiple academic degrees. A certified lawyer, Assaf holds both Law and Business degrees from Reichman University in Herzliya and a BA (cum laude) in Political Science & Psychology from Tel-Aviv University

Israel: The present future of digital health - from start up nation to digital health nation



Plenary Session (3a) Investment in Health Tech

Mr. Da LIU

Managing Director, CRCP Life Science Fund, China

Mr. Da LIU is one of the founding Managing Directors of CR-CP Life Science Fund, where he spearheaded a number of successful investments in the life science industry, including Legend Biotech (LEGN.US), New Horizon Health (06606.HK), JW Therapeutics (02126.HK), Sirnaomics (02257.HK), Transcenta (06628.HK) and MiRXES. He currently serves on the board of 6 life sciences companies in the U.S., China, Israel, and Singapore.

Mr. LIU has accumulated 30 years of collective experiences in the healthcare industry. He started as a Clinical Pharmacist in New York city, later worked with CVS as a Pharmacy Manager. Upon returning to Beijing in 2004, Mr. LIU was the Deputy General Manager for Beijing Pharmaceutical. He later expanded his responsibilities in areas such as business development, supply chain, pharmacy retail, medical devices, as well as sales and marketing. He had set up the first diabetic specialty drugstore, introduced hospital automation, and specialty drug concept to China.

Mr. LIU was Head of Business Development with China Resources Pharmaceutical Group Limited (03320.HK), where he actively participated in IFPW and attempted in building joint ventures with global leading corporations. Additionally, he initiated the Group's cornerstone investment in GenScript (01548.HK) in 2015, which brought along 20 times return over 6 years.

Prior to joining CR-CP Life Science Fund, Mr. LIU was the Business Director focusing on life sciences at China Resources Group, a global fortune 500 company based in Hong Kong since 1938.

Mr. LIU graduated with cum laude from School of Pharmacy at St. John's University in New York, U.S. and obtained his master's degree in Business Administration from Thunderbird School of Global Management in Arizona, where he was selected by Novo Nodisk A/S to participate in the Global Leadership Forum for business school students.

Mr. LIU's recent Chinese publication, "Life Sciences Investment – Capturing the Next Unicorn" has gained wide recognition and support from four professional organizations in Hong Kong. The book is sold in Mainland China, Hong Kong, Macau, Taiwan, and Singapore.

Mr. LIU is also an advisor to Hong Kong Science and Technology Park Corporation.



Plenary Session (3a) Investment in Health Tech

Mr. Felix LEE

Senior VP, GBA Healthcare Group, China

Mr. Felix LEE is Co-CEO of The GBA Healthcare Group {"GBAH"}, an organisation founded in Hong Kong that has been pioneering private public partnerships with various regional governments in the Greater Bay Area since 2017. GBAH has delivered primary care training to over 2,000 doctors and nurses in the GBA, and built over 120 clinics in partnership with regional governments. Through such a vast service network, GBAH is creating innovative capitation payment models with commercial health insurers, based on family medicine practices, to implement value based health insurance plans.

Felix is also the Head of Healthcare Investments at Chow Tai Fook Enterprises Limited , focusing on making investments from VC to PE stages in the healthcare sector in Asia and globally. Felix also serves as Executive Director of UMP Healthcare (722:HK), as Non-executive Director of ClouDr Group (9955:HK), an Independent Non-executive Director of China Resources Medical (1515:HK) and Asymchem Laboratories (002821.SZ).



Plenary Session (3b) Applications of AI in eHealth

Mr. Ronald CHAN

Account Technology Strategist, Microsoft Hong Kong, HKSAR

Ronald CHAN has over 20 years of working experience in the ICT industry. He is currently the Account Technology Strategist at Microsoft assisting public sector customers to plan and implement transformational projects in their pursuit of Smart Cities Initiatives. Apart from AI, Big Data and Cloud technology, Ronald is also working actively in establishing IoT ecosystems to develop innovative solutions.

Overview of Microsoft Azure Open AI for eHealth



Plenary Session (3b) Applications of AI in eHealth

Mr. Kev HAU

Cyber Security Evangelist, a member of the CTO office, Check Point Software Technologies Ltd., HKSAR

Kev HAU is the Head of Security Engineering, Hong Kong and Taiwan at Check Point Software Technologies and the Cyber Security Evangelist, a member of the CTO office. Kev has over 10 years of experience in cyber security industry.

In Check Point, he works closely with all the Check Point partners and customers through his team of security experts by providing consultation and advice on how to deal with the cyber threat. He is also the leadership point of contact between partners, strategic customers and channels, as well as Check Point's product research and development team.

Kev holds a Bachelor of Science in Computer Science from Brunel University.

Healthcare under seige: key security challenges for hospitals, clinics, and medical centers



Symposium (1) Innovation in Preventive Health

Dr. Daphne CHEUNG

Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR

Dr. Daphne CHEUNG is an Associate Professor at the School of Nursing, The Hong Kong Polytechnic University. She is an active gerontological nursing scientist, with extensive clinical and research experience focusing on dementia care, related symptom management and dementia caregiver support. She has pioneered a Music-with-Movement Intervention for people with cognitive impairment and their family caregivers. She was awarded the PolyU Distinguished Knowledge Transfer Excellence Award in 2017, for her successful implementation of the Music-with-Movement Intervention that benefits thousands of people with cognitive impairment. She is also important in international inter-disciplinary research teams for developing interventions to address the physical and psychosocial needs of older adults and their relatives, such as frailty, loneliness, and dementia caregivers' stress and anticipatory grief. Her recent outstanding achievement in integrating technology in elder care is being recognized. Her team is awarded the Hong Kong Information and Communication Technology 2022 Smart People (Smart Ageing) Silver Award.

Co-designing a standalone music-with-movement intervention for people with cognitive impairment with stakeholders

Objective

Applying emerging technologies has become a core feature in healthcare. Co-designing is an approach that shifts from supplier- and user-centered to equal partnership of the people involved, and has received increasing attention in healthcare product development. We adopted a co-design approach to transform our Music-with-Movement intervention to a digital system. This paper reports the co-design development process of the Music-with-Movement intervention digital system.

Methods

A partnership was built among the researchers, the engineers, the designer, and the users (the people with cognitive impairment and the staff members of elderly care institutes, who delivered the conventional Music-with-Movement intervention in our earlier study to inform us their experiences and expectations of an ideal system. The prototype and devices of the system were reviewed by the potential end-users. The system was refined continuously based on the observations during the implementation phase.

Conclusion

A co-designed, digital Music-with-Movement intervention system was developed to provide innovative experiences to promote cognitive health and wellbeing of older adults with cognitive impairment. Throughout the design development process, we exchanged views with the stakeholders, explored their experiences, and identified and managed risks through prototype refinement.



Symposium (1) Innovation in Preventive Health

Mr. Michael CHEUNG

Systems Manager, Hospital Authority, HKSAR

Michael CHEUNG has 20 years of experience in clinical application integration projects using HL7. He is currently working as a systems manager in public health care organisation to support the development of Hong Kong territory-wide electronic Health Record Sharing System (eHRSS).

Michael obtained a bachelor degree in Computer Science at City University of Hong Kong and a master degree in Health Informatics at The Hong Kong Polytechnic University. He is also a Certified HL7 V2 & CDA specialist, Project Management Professional, and Certified Hypnotherapist

Preventive health through clinical data exchange using HL7



Symposium (1) Innovation in Preventive Health

Mr. Grahame GRIEVE

FHIR Product Director, HL7 International / Principal, Health Intersections Pty Ltd, Australia

Grahame GRIEVE is HL7's Product Director for "FHIR" - the leading healthcare data exchange standard of the future. Grahame has a background in laboratory medicine, software vendor development, clinical research, open source development and has also conceived, developed and sold interoperability and clinical document solutions and products in the Australian market and around the world. Grahame has worked to develop standards and solutions with several US vendor consortiums, and the national programs of Canada, England, Singapore, and Australia. In the last decade, Grahame has focused on nurturing and leading the FHIR community around the world.

Smart on FHIR enables innovative solutions

Smart on FHIR is a set of technical standards that use web infrastructure to provide a common API to clinical applications. Around the world, healthcare systems and countries are delivering clinical decision support, public health surveillance and improved patient outcomes and economic efficiency using this common API. Grahame will describe it's features and provide some examples of it's use in real world applications.



Symposium (1) Innovation in Preventive Health

Dr. Justina LIU

Associate Professor, School of Nursing, The Hong Kong Polytechnic University, HKSAR

Dr Justina LIU is an associate professor of the School of Nursing, The HK Polytechnic University. Her research program is the implementation of exercise, nutritional advice and psycho-behavioural interventions by using gerontechnology (such as virtual reality, wearable sensors, and e-health technology) to manage frailty-related symptoms among older people. She is a well-established scientist; one of the top 2% cited scientists in her own field in 2022. She has more than 70 SCI/SSCI indexed papers published in diverse healthcare journals, and other publications. She is also a highly innovative nurse educator. Her award-winning contributions to learning technology have broken new ground in nurse education pedagogy – as exemplified by her work using virtual reality to develop Virtual Hospital for education. This work has been highly influential and extremely well evaluated by the international community. She has been successful in commercializing her work, and has seen her efforts honoured by the receipt of several regional and international awards including the Asia Gold award in the QS Reimagine Education Regional Awards, 2022.

Virtual reality motor-cognitive training system for older adults with cognitive frailty

Cognitive frailty is a geriatric syndrome characterized by the coexistence of physical frailty and cognitive frailty. It is highly predictive to adverse health outcomes, such as dementia, disablement and mortality. The most effective interventions to reverse cognitive frailty are those that address both physical and cognitive aspects of the condition. Dual-task training involves the simultaneous performance of two tasks that require attention, such as walking while performing a cognitive task, which is a common requirement in daily life.

Using Immersive Virtual Reality (IVR) to conduct dual-task interventions for older people with cognitive frailty has emerged as a promising approach to improve cognitive and physical functions. In this presentation, Dr Liu will introduce an IVR simultaneous motor-cognitive training program, which allows older people to perform daily activities in a virtual space mimicking real environments. Eight IVR games provide training tailor-made for the daily living experiences of older people in Hong Kong, which can facilitate the translation of training to the essential skills for their daily living in the community. All the IVR trainings are gamified by blending in fun elements, such as difficulty levelling, competition, scoring and e-tokens. Older people can be trained to improve their cognitive and physical functions in a fun way to enhance their engagement. The overall performance of this IVR daul-task training system is good. The preliminary findings of the clinical trial show that this training system effectively enhances the cognitive function of the users with cognitive frailty.



Parallel Session (2) Data Interoperability for Patient Journey

Ms. Piret HIRV

Head, Health Technology Division, Estonian Connected Health Cluster / Tallinn Science Park Tehnopol, Estonia

Piret HIRV is the Manager of Connected Health Cluster and the leader of the health-tech division in Science and Business Park Tehnopol.

She is an active and valued member in various international health technology networks, facilitating the development of healthcare services through the implementation of connected health solutions, supporting companies in finding suitable development partners, and also helping to find partners to scale-up innovative solutions (also cross border). Prior to working at Tehnopol, Piret worked as an Advisor for E-Servies and Innovation at the Ministry of Social Affairs in Estonia, supporting the digital transformation processes in healthcare and innovation. She also took part in implementing Estonian EU Presidency eHealth policy program and was acting as a liaison officer for international organizations and networks coordinating cross-border healthcare-service activities.

Piret has a medical background: she is a trained nurse and has worked in the pharmaceutical industry. In addition, she has many experience in lobbying, being the former CEO of an organization specialized in development cooperation.

How to deliver the promise of eHealth in a changing environment - 'The Estonian way'



Parallel Session (2) Data Interoperability for Patient Journey

Mr. Hing-loi HUI

Chief Systems Manager, Hospital Authority, HKSAR

HUI Hing Loi is the Chief Systems Manager at Hong Kong Hospital Authority (HA) responsible for the architecture and development of clinical IT products to support HA's business strategies. He has more than 30 years' experience on the developing and managing enterprise scale engineering projects, including the Clinical Management System (CMS) at HA. Loi is now leading the development of software products in major projects such as CMS IV, HA Go and Smart Hospital to enable HA's future model of healthcare delivery to improve patients' experience. Mr. Hui received his bachelor's degree in engineering from the University of Hong Kong and a master's degree in Computer Science from the City University of Hong Kong.

HA Go is a game changer for sustainable healthcare in Hong Kong

HA Go is Hospital Authority's (HA) one-stop mobile platform designed to improve patient experience. As at end of February 2023, more than 1.7 million of citizens have registered and activated their HA Go accounts. HA Go is a super-app that can deploy numerous services in a single application and is going to be HA's internet hospital. As a result, data generated through interactions between users and HA Go would contribute to the overall care planning and management. Data can be collected through measurements, telehealth or other means that care givers prescribe. As HA Go expands to cover more clinical and business services, there will be more options for care model. Care does not have to be confined to be delivered inside hospitals or clinics. More self-care and community-based care can be done through data and access connection enabled by HA Go. This will form the base to support HA's goal of sustainable healthcare through digital transformation.



Parallel Session (2) Data Interoperability for Patient Journey

Dr. KP LEUNG

Co-opted Board Member, eHealth Consortium / Member of the HGC of Kowloon Hospital and Hong Kong Eye Hospital, HKSAR

Kin Ping LEUNG, GradDip (Robotic), Grad Dip (Comp. in Ed.), Ph.D.

- 1. Electronic & Computer Hobbyist,
- 2. Enthusiast in Arduino, ESP32, STM32, and APP Development
- 3. Actively serving:
 - 1) As Chairman of the Public Advisory Group, QEH;
 - 2) As current member of:
 - (1) OC and PC of the 7th APEHRC 2023;
 - (2) Digitisation, Project & Facility Management, and Quality & Safety Sub-Committees of the Hospital Governance Committee of Kowloon Hospital & Hong Kong Eye Hospital;
 - (3) Task Group on Enhancing Patient-centric Services, Queen Mary Hospital;
 - (4) Task Group on Enhancing Patient-centric Services, QEH.
 - 3) As past member of
 - (1) OC and PC of Patient Empowerment Forum, 2014-2019;
 - (2) HA Patients Advisory Committee, ;
 - (3) Steering Committee on eHealth Record Sharing System (eHRSS), FHB, 2016-2022;
 - (4) Working Group on Legal, Privacy & Security Issues, FHB, 2012-2022;

Digitisation empowers patients

We will discuss the effects of digitisation of the following devices on how patients are empowered to deal with their diseases:

- 1. Water boiler
- 2. Thermometer
- 3. Shower thermometer
- 4. Sphygmomanometer
- 5. Glucose Meter
- 6. Oximeter
- 7. Electrocardiogram (ECG)
- 8. Photoplethysmography (PPG)
- 9. HA GO Applications
- 10. How to empower patients to use HA GO Examination data wisely and effectively?
- 11. Patient Portal of Electronic Health Record Sharing System (eHCSS)



Parallel Session (2) Data Interoperability for Patient Journey

Mr. Mathias NYLUND

Area Manager Greater China, HUR, Finland

Mathias NYLUND has been engaged in China since the mid-90s when he started as a student at Beijing Language Institute and Beijing University. Later on, he has been positioned in China as both Factory Manager and Sales Manager and therefore he has insight into both production and sales. Communication with Chinese counterparts is efficient since he speaks fluent Mandarin.

Currently, he is the Area Manager for Greater China at HUR Ltd. in Finland. This entails supervising and assisting local distributors and looking for new ways of expanding the market in China, Hong Kong and Taiwan. HUR produces high-end computerized fitness equipment primarily aimed for rehabilitation and senior age care.

Mathias NYLUND is also proficient in the production of sound and picture. He is a recording musical artist at a hobby level, a semi-professional video editor and a confident public speaker.

Strength for life - the HUR concept

HUR stands for Helsinki University Research and refers to the research project initiated by HUR founder Mr. Mats Manderbacka in the 1980s. He discovered that utilizing air pressure for strength training is the most beneficial technology from a physiological viewpoint. This air pressure technology has furthermore been combined with computer technology and is the most advanced equipment available for physical rehabilitation.

Apart from equipment, HUR has continuously conducted research and developed Medical Concepts, that is strategies for early discovery of impaired balance or muscle strength, and specific training concepts for preventing falling, high blood pressure, diabetes etc.

HUR offers an automated training solution that saves both on qualified staff, facility space and investment in equipment. This is the modern way to remedy the growing age care problems in aging societies such as China, Hong Kong and Taiwan.



Symposium (2)
Next Era of e-Health in Asia Pacific

Prof. Shinji SHIMOJO

Director and Professor, Cybermedia Center, Osaka University, Japan

Shinji SHIMOJO received the M.E. and Ph.D. degrees from Osaka University in 1983 and 1986, respectively. He was an Assistant Professor with the Department of Information and Computer Sciences, Faculty of Engineering Science at Osaka University from 1986, and an Associate Professor with the Computation Center from 1991 to 1998. During this period, he also worked for a year as a Visiting Researcher at the University of California, Irvine. He has been a Professor with the Cybermedia Center (then the Computation Center) at Osaka University since 1998, and from 2005 to 2008 and from 2015 to 2023 had been the director of the Center. He was an executive researcher and a director of the Service Platform Architecture Research Center(SPARC) 2008 to 2011 at the National Institute of Information and Communications Technology from 2008 to 2011. His current research work is focusing on a peer-to-peer communication network, ubiquitous network systems, HPC, HPDA and IoT systems. He is a founding member of PRAGMA and CENTRA. He was awarded the Osaka Science Prize in 2005 and by the Minister of Internal Affairs in 2017. He is a member of IEEE, IEICE fellow, and IPSJ fellow.

Designing future society for our lives



Symposium (2) Next Era of e-Health in Asia Pacific

Ms. Huijing LU

Operations Director, The Second Affiliated Hospital of Guangzhou Medical University, China

广州医科大学附属第二医院运营办主任,从事医院信息化工作超过二十五年,主持医院信息化建设及医院数据分析,结合国家公立医院考核指标,建立医院绩效方案及落地实施,并推进医院绩效薪酬体系持续优化。主持编写标准一个,参与编写标准 11 个,参与编写医院信息专著 3 部,省、市科技项目多项,发表论文超过 20 篇,曾获广东省科技进步三等奖,广州市科技进步一等奖。同时担任广东省卫生经济学会运营管理分会会长、广东省健康医疗大数据标准工作组组长、广东省医院协会信息专委会副主委等多个社会职务以及广东省全民健康信息化咨询专家、受聘为《广州市数字经济促进条例》起草咨询专家。

构建数字健康战略发展新格局,重塑数字健康管理服务新模式

全民健康信息化建设创新引领卫生健康事业高质量发展,以数字化、网络化、智能化转型是推动卫生健康工作实现质量变革、效率变革、动力变革的关键。利用互联网技术拓展丰富数字健康应用场景和服务空间,构建线上线下一体化服务新模式,优化服务流程,改善就医体验,提高群众看病就医的便捷度。推进医院医疗物联网应用,围绕智慧病房、远程会诊等需求,重点推进智能个人定位、个人可穿戴健康智能监测、具备医疗诊疗级性能的生命体征感知等重点设备应用。应用区块链技术加强身份标识管理、居民电子健康档案共享查阅、药械流通信息追溯,丰富区块链应用场景。



Symposium (2) Next Era of e-Health in Asia Pacific

Dr. Alvin MARCELO

Executive Director, Asia eHealth Information Network, Philippines

Alvin B. MARCELO is a general and trauma surgeon by training who is currently chief medical information officer of the St. Luke's Medical Center and executive director of the Asia eHealth Information Network (www.aehin.org). Prior to this, he served as senior vice-president and chief information officer of the Philippine Health Insurance Corporation (PhilHealth). As director of the University of the Philippines Manila National Telehealth Center and chief of the Medical Informatics Unit, Dr. Marcelo co-established the Master of Science in Health Informatics program and conducted local and international research in the field of eHealth and health information systems development. He took his postdoctoral fellowship in medical informatics at the National Library of Medicine in Bethesda, Maryland with research interests in telepathology, mobile computing, and bibliometric analysis of MEDLINE content. Dr Marcelo previously managed the International Open Source Network for ASEAN+3, a centre of excellence in free and/or open source software established by UNDP, and advises the Community Health Information Tracking System (or CHITS), a Stockholm Challenge finalist in the health category in 2006. He is the Philippine representative to the Asia Pacific Association for Medical Informatics (APAMI) and the International Medical Informatics Association (IMIA). Dr Marcelo is certified in the governance of enterprise IT (CGEIT - www.isaca.org), The Open Group Architecture Framework (TOGAF - www.opengroup.org), and Archimate, and COBIT5 Foundation/Implementation.

Achieving universal health coverage through human and technology interoperability: the Asia eHealth information network community of interoperability labs

Achieving Universal Health Coverage through Human and Technology Interoperability: the Asia eHealth Information Network Community of Interoperability Labs

In 2015, the United Nations adopted the Sustainable Development Goals (SDGs), also known as the Global Goals, as a universal call to action to end poverty, protect the planet, and ensure that all people enjoy peace and prosperity by 2030. Of the seventeen SDGs, SDG3 is on good health and well-being and is premised by SDG1 (No poverty) and SDG2 (Zero hunger). All 17 are integrated in the sense that action in one area will affect outcomes in others. It also recognizes that development must balance social, economic and environmental sustainability.

Realizing that digital health has tremendous potential to enable SDG3, the Asia eHealth Information Network began a program to enable countries to create tools that will help people work together towards better health. Called the AeHIN Community of Interoperability Labs, it is a collection of digital health advocates in participating countries who are establishing standards and interoperability labs or SILs to enable local stakeholders to securely exchange data in support of SDG3. These labs focus on both human and technology aspects of interoperability within their own countries and with sharing best practice and lessons learned with each other across borders.



Symposium (2) Next Era of e-Health in Asia Pacific

Dr. C C LUK

Vice Chairman, Virtus Medical Group, HKSAR

Dr. Che-chung LUK, JP is the Vice Chairman of Virtus Medical Group, a leading private medical service group covering over 30 specialties with close to a hundred doctors in Hong Kong. He retired from the Hospital Authority of Hong Kong end of 2021 with the roles of Cluster Chief Executive of Hong Kong East and Hospital Chief Executive of Pamela Youde Nethersole Eastern Hospital, Wong Chuk Hang Hospital and St. John Hospital. Prior to that, he was the CCE of Hong Kong West and HCE of Queen Mary Hospital and Tsan Yuk Hospital and before that, the CE of the Kowloon East Cluster.

Dr. LUK is also involved in various community work and has lent his voice to organisations like the Medical Council and the HK Council of Social Service. But it is his track record as a hospital administrator that stands him in good stead on the leadership platform.

HK's next model of Public Private Partnership, data sharing and service integration

To deliver a seamless Public Private Partnership on healthcare services in Hong Kong, establishing a common platform hosting all citizen's healthcare data is a fundamental backbone. Yet despite years of efforts, the Electronic Health Records System (eHRS) has only limited usage by the private sector.

A stronger focus has been driven recently with the Primary Healthcare Blueprint published in December 2022. While it has reiterated a push towards more integrated Public Private Partnership for the community esp. in preventive care, it in fact triggered more questions unanswered.

What is the visionary model of data sharing and service integration under this Blueprint?

How could the data sharing and interoperability be better moulded to achieve this model?

How this visionary model could be benefit to Hong Kong health system?

What role the private sector can play in this model? What are the concerns from private sector on eHRS?

What are the insights and opportunities from healthcare administrators to drive integration?

Can this model can do the collaboration with other Asia Pacific countries?

With Dr. Luk's years of leadership experience in the public healthcare sector and community services, coupled with the current capacity in private practice group, his views shall be most relevant and insightful to enlighten the industry on what to expect, how to prepare and respond.



Symposium (2) Next Era of e-Health in Asia Pacific

Mr. Xiaofan SU

Chief Medical Officer, Xiaohe Healthcare (Subsidiary of Bytedance), China

Xiaofan SU, PhD, Chief medical officer of Xiaohe healthcare, a subsidiary of bytedance. Dr.SU graduated from Sun Yat-sen university & Xi'an jiaotong university, previously worked as head of medical affairs for AstraZeneca China, Sr. medical director of Kingmed diagnostics, General manager of Shenzhen Yuceneo biotechnology company. Dr. SU has more than 12 years of working experience, especially in the field of clinical trials, translational research, and product development in diagnostic, independent lab & pharmaceutical industries

Reimagining cancer screening paradigm - a shared vision to detect cancer earlier

Cancer is a leading cause of death in China. Owing to rapid economic development, improved livelihood, and shifts in risk factors, cancer epidemiology has experienced substantial changes during the past several decades. Unfortunately, the burden of cancer in China will increase further because of population aging. Screening and early detection is the key to fight cancer. The multiple levels of government in China have continually engaged in cancer prevention and control efforts. But neither guideline-recommended screening modalities nor emerging non-invasive single-organ screening alternatives fulfill the goals set out for universal screening. Blood-based multi-cancer early detection (MCED) may provide a disruptive solution and shift the paradigm.

Advances in science and technology have now evolved to a point at which we can detect tumor-derived signals in the blood. The rapid development of omic-technologies generates high dimensional big data, which likely to provide unprecedented insights to aid novel biomarker identification and clinical implementation. On the other side, artificial intelligence making it possible to identifies difficult-to-detect signal. The convergence of genomics and artificial intelligence/machine learning enables a new era for early cancer detection. With growing scientific and investor interest in multicancer early detection tests, we must admit that blood test shows promise at catch cancer early, but it is not ready for "prime time". Hurdles, such as suboptimal sensitivity of early-stage tumors, should be overcome before its widespread adoption in China.

Compared with "one test, one cancer" evidentiary framework, it poses a huge challenge for development of MCED test. Engaged strategies between all stakeholders are critical to bring this new screening paradigm to routine use. Global and systems-level thinking, not only the prototype design and model training, but also clinical evidence generation plan and implementation in health systems, will accelerate the process.



Parallel Session (3) Leading Technology Trends in eHealth

Ms. Jenny TAM

Vice President - Strategic Planning, Ewell Hong Kong

Miss Jenny Tam brings more than a decade of expertise in medical administration and operations to her role as a speaker for Ewell Hong Kong at the eHealth Conference 2023. Throughout her distinguished career, she has honed her skills in optimizing healthcare operations and propelling business expansion for a diverse range of healthcare organizations, encompassing clinics, hospitals, and non-governmental organizations (NGOs).

Having held numerous leadership positions, Miss Tam has consistently demonstrated her commitment to promoting excellence in the healthcare sector. Her passion for harnessing technology and data-driven insights to enhance healthcare delivery has been a driving force behind her success. A strong advocate for collaborative efforts and innovation, she actively seeks opportunities to advance the industry by fostering synergies among healthcare professionals, institutions, and technology providers.

Miss Tam's accomplishments include the implementation of cutting-edge systems and processes that have streamlined patient care, improved operational efficiency, and increased overall satisfaction among patients and staff. Her forward-thinking approach and dedication to continuous improvement have made her a sought-after expert in the field of healthcare management.

At the eHealth Conference 2023, Miss Tam will share her valuable insights, strategies, and best practices on how healthcare organizations can leverage the latest technological advancements to overcome challenges and achieve sustainable growth. As a speaker representing Ewell Hong Kong, her wealth of experience and dedication to promoting a better healthcare future will inspire and inform conference attendees seeking innovative solutions for their organizations.

The United Smart Hospital Ecosystems: harnessing the power of smart hospital, pharmacy, and IoMT solutions



Parallel Session (3) Leading Technology Trends in eHealth

Mr. Simon LUI

Senior Delivery Manager, Solution Division, Automated Systems (H.K.) Limited, HKSAR

Mr. Simon LUI is the lead of Artificial Intelligence (AI) and Robotic process automation (RPA) team of Solution Division of Automated Systems (H.K.) Limited with over 20 years of experience in delivering enterprise-scaled solution. Passionate about enabling teams to achieve their best, with a good track record of successful delivery and continuous improvement.

Artificial intelligence in eHealth



Parallel Session (3) Leading Technology Trends in eHealth

Mr. Yedu SIDDALINGAPPA

Product Manager – Al Driven Enterprise Networks, Juniper Networks

Yedu SIDDALINGAPPA is an experienced product manager with a deep understanding of Al-driven enterprise networking solutions. With a Bachelor's degree in Electronics & Communications, and MBA from National University of Singapore, Yedu has spent 20 plus years working in the technology industry in various functional roles and geographic theatres, and has developed a reputation for being a forward-thinking and innovative leader.

As a product manager for AI-driven enterprise networking at Juniper Networks, Yedu is responsible for the development and implementation of cutting-edge networking solutions that leverage the latest AI technologies. He has a deep understanding of the enterprise networking landscape and is skilled in using data and analytics to drive product strategy. He currently has a patent pending for AI driven application troubleshooting feature that uses AI to identify and resolve network issues quickly.

Empowering healthcare networks for the digital age: the advantages of AI-enabled network infrastructure



Academic Accreditations

College	Max. for Whole Conference	20 April	21 April	Category
The Hong Kong College of Anaesthesiologists	11.5	5.5	6	PP-NA
Hong Kong College of Community Medicine	10	5	6	PP-PP
The College of Dental Surgeons of Hong Kong	Pending	Pending	Pending	Pending
Hong Kong College of Emergency Medicine	11	5	6	CME-PP
The Hong Kong College of Family Physicians	Pending	Pending	Pending	Pending
The Hong Kong College of Obstetricians and Gynaecologists	5	5	5	AP-NM
The College of Ophthalmologists of Hong Kong	11	5	6	CME-PP
The Hong Kong College of Orthopaedic Surgeons	8	5	5	PP-B
The Hong Kong College of Otorhinolaryngologists	5.5	2.5	3	PP-2.2
Hong Kong College of Paediatricians	Pending	Pending	Pending	Pending
The Hong Kong College of Pathologists	6	4	2	CME-PP
Hong Kong College of Physicians	5.5	2.5	3	PP-PP
The Hong Kong College of Psychiatrists	Pending	Pending	Pending	Pending
Hong Kong College of Radiologists	11	5	6	B-PP
The College of Surgeons of Hong Kong	11.5	5.5	6	CME-PP
Medical Council of Hong Kong	10	5	5	CME-PASSIVECME
CNE (College of Nursing)	11	5	6	



Acknowledgement



The Hong Kong Society of Medical Informatics, eHealth Consortium & HL7 Hong Kong would like to extend their sincere thanks to the following organisations for their ever unfailing support and generous contribution to the Asia Pacific eHealth Conference 2023.

Gold Sponsors:





Silver Sponsors:













Dinner Sponsor:







cherrypicks | 創奇思

Supporting Organisations:







Innovation, Technology and Industry Bureau
The Government of the Hong Kong Special Administrative Region





































































YOU DESERVE THE BEST SECURITY

Only the best security can protect you from today's complex cyber threats. Large scale, multi-vector attacks now threaten the fabric of organizations around the globe.

Check Point fully protects you against these Gen V attacks. Our transformative product innovations protect better than all other options.

In a world where threats are ever growing, you deserve the best security. Check Point.















Your Trustworthy and Professional Unified Technology Services Partner

Automated Systems Holdings Limited ("ASL" or "The Group") was listed on the Stock Exchange of Hong Kong Limited in 1997 (Stock Code: 771). The Group's core business is based in Hong Kong and Macau and covers Asia Pacific, Europe and the United States.

With ASL's 17 research and development centers worldwide, over a thousand of high-caliber experts, and 50 years of experience in providing professional IT services to global users, ASL provides the best practices for customers' IT management and is definitely customers' professional and trustworthy unified technology services partner.







Hong Kong | Mainland China | United States | Europe | Taiwan | Macau | Thailand | Singapore | Malaysia



WEMAKE HOSPITALS **SMARTER**

World-class innovative experiences beyond boundaries

Our Products:



Zeelo



Website | www.cherrypicks.com Phone | +852 2127 7788 Email

| sales@cherrypicks.com





EonConnect is a Hong Kong based company established in 2008, which provides professional one stop shop IT solutions.

We focus professional technical service, over 70% qualified IT specialist and provide diversify designed solutions to variety customers sectors such as Government, Healthcare, Finance, NGOs, High Education, Enterprise and Others.

And we build up extensive collaborative with a wide different of global vendors of software and hardware, we have undergone a continuously transformation in past few years, which achieved as the highest partnership level for the part of vendors.



CHECK US OUT: www.eonconnect.com.hk

CONTACT US: info@eonconnect.com.hk CALL US: +852 3521 0828



Discover the Future of Healthcare at Ewell Hong Kong

Unleash the Power of Next-Gen Healthcare Ewell Hong Kong



Smart Hospital Solutions

Revolutionize care and operations using Next-Gen Smart Hospital Solutions.





bit.ly/EHC_EW bit.ly/EHC_DemoTour



Smart Pharmacy Solutions

Boost efficiency and safety with innovative Patented Smart Pharmacy Solutions.



IoMT Solutions

Achieve seamless closed-loop management and real-time tracking through IoMT Solutions.

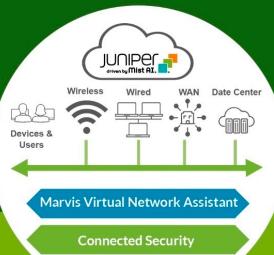




















Our Value Creation

Health Data Owners

- Ability to access your own electronic health data and authorize connections to health analytics as well as consultation services
- Own your health data and decide when and to whom to contribute securely while getting incentivized

Health Services Providers

Ability to access patients' external health data electronically so as to fill unmet medical needs and increase quality of



Our Value Creation

Health Services Payers

Access to large and relevant health data sets for the development of better services at optimized costs

Medical Researchers

Access to real world data to facilitate the invention, validation and improvement of products and services



Work With Us

We are currently working with partners to put our technologies to real world use. We'd be delighted to discuss with you any possible use cases that need real world health data to provide and improve health analytic services, develop new ones, or use them in health insurance services



WhatsApp



www.peachbio.com tyung@peachbio.com

