

7 – 12 October  
2018

CINNAMON GRAND  
COLOMBO, SRI LANKA

[www.dhw2018.org](http://www.dhw2018.org)

#DigiHealthCon  
#DigiHealthWk



AeHIN (Asia eHealth Information  
Network)  
Conference & General Assembly



APAMI (Asia-Pacific Association for  
Medical Informatics) 2018



IMIA (International Medical  
Informatics Association)  
Board Meeting & General Assembly



Global Telehealth 2018



3rd Commonwealth Digital Health  
Conference & Awards  
Digital Health Sri Lanka 2018



Commonwealth  
Digital Health Expo 2018

# PROGRAMME BOOK

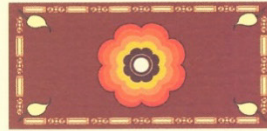




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# Message from His Excellency the President of Sri Lanka



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இலங்கை சனாதிபதி  
President of Sri Lanka

## MESSAGE

I am pleased to send this message on the occasion of the Digital Health Week 2018 which will be held from 07<sup>th</sup> – 12<sup>th</sup> October in Colombo, Sri Lanka.

The international conferences to be held during the Digital Health Week on the theme 'Transforming Healthcare through Digital Health Innovation' is focused on using ICT in healthcare to improve health care services and patient outcomes.

I have no doubt that the conferences would carry forward the momentum created by the establishment of the Commonwealth Centre for Digital Health in April this year and contribute to the development of Health Systems not only in Sri Lanka but globally. I am pleased to know that over 600 delegates from more than 60 countries are attending this year's event.

I would like to congratulate Professor Vajira H.W. Dissanayake for bringing honour to Sri Lanka by being appointed President of yet another international organisation, this time the Asia Pacific Association for Medical Informatics.

I wish all the conferences that are part of the Digital Health Week 2018 every success.

Maithripala Sirisena

October 01, 2018



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இலங்கைக் சனநாயக சோசலிசக் குடியரசு  
Democratic Socialist Republic of Sri Lanka

# Message from the Prime Minister of Sri Lanka



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இலங்கையின் பிரதம அமைச்சர்  
Prime Minister of Sri Lanka

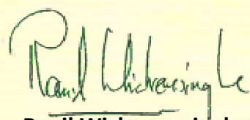
## MESSAGE FROM THE HON. PRIME MINISTER

Digital electronics have been able to make most of the functions much more convenient and reduce inefficiencies. In this context, the convergence of digital revolution with health and healthcare is indispensable to ensure a quality and an efficient health service throughout the country.

I am pleased to note that the global event of the Digital Health Week themed 'Transforming Healthcare through Digital Health Innovation' is perfectly timed to support such initiatives in Sri Lanka with the aim of improving public health and society through the enhanced healthcare delivery, improved quality and access to healthcare services, reducing costs and many more.

The event organised by the Health Informatics Society of Sri Lanka in collaboration with many other leading institutions in the field will be an opportunity for the digital health professionals from around the world to deliberate on the promotion and development of Digital Health.

I would like to extend a very warm welcome to all the delegates who will take part in the Digital Health Week 2018 in Colombo representing 60 countries and I wish the event every success.

  
Ranil Wickremesinghe  
Prime Minister

September 27<sup>th</sup> 2018

# Message from the Minister of Health, Nutrition & Indigenous Medicine



MINISTRY OF HEALTH, NUTRITION  
& INDIGENOUS MEDICINE



## Message from the Hon. Minister of Health, Nutrition & Indigenous Medicine

It gives me great pleasure to send this message for Digital Health Week 2018.

In the past three years I have seen the rapid growth of digital health around the world. I recognise the important role that Digital Health would play towards achieving Universal Health Coverage by 2030. Sri Lanka has taken important steps to implement Digital Health to strengthen our health care delivery system that would be showcased at the event. We hope that our lessons would be valuable to others, and we would be able to learn from the experiences of others from around the world.

I am pleased to see that so many international organisations involved in Digital Health from around the world have chosen Colombo, Sri Lanka as the venue to meet this year. I see this as a recognition of the role that Sri Lanka has played in promoting Digital Health around the world since Sri Lanka took the leadership in the Commonwealth Medical Association in 2016.

I understand that over 600 delegates from over 60 countries would be attending Digital Health Week 2018. I wish to welcome all of them to Sri Lanka and wish them a fruitful conference and a pleasant stay in Sri Lanka.

**Dr Rajitha Senaratne M.P.**  
Minister of Health, Nutrition and Indigenous Medicine

October 03<sup>rd</sup> 2018

## Message from the Chairman of the Organizing Committee



**Prof. Vajira H. W. Dissanayake**  
MBBS, PhD, FNASSL

**President**  
**Commonwealth Medical Association**

**Chairman**  
**Commonwealth Centre for Digital Health**

**President**  
**Health Informatics Society of Sri Lanka**

**President - Elect**  
**Asia- Pacific Association for Medical**  
**Informatics**

**HISSL Representative to IMIA**

### Message from the Chairman of the Organizing Committee

This is the third consecutive year that we are organizing celebration of Digital Health in Colombo, Sri Lanka.

Our main objective is to bring digital health and its enormous potential to the attention of the policy makers at the highest level and to empower and recognize individuals and organizations spearheading digital health innovation and implementation. The latest addition to the Digital Health feast that we put out every year is the Digital Health Expo. We are expecting Digital Health companies to participate at the Expo to meet digital health implementers from the government, academic and private sectors. Today the Health Care Industry and Health Care Professionals are depending on Digital platforms and there is enormous demand for this business.

Apart from the Digital Health Expo, we have lined up five main conferences and the Commonwealth Digital Health Awards during this week. In this background it gives me great pleasure to invite all of you to the Digital Health Week 2018 in Sri Lanka.

We do hope that you will find the whole week productive as well as enjoyable.

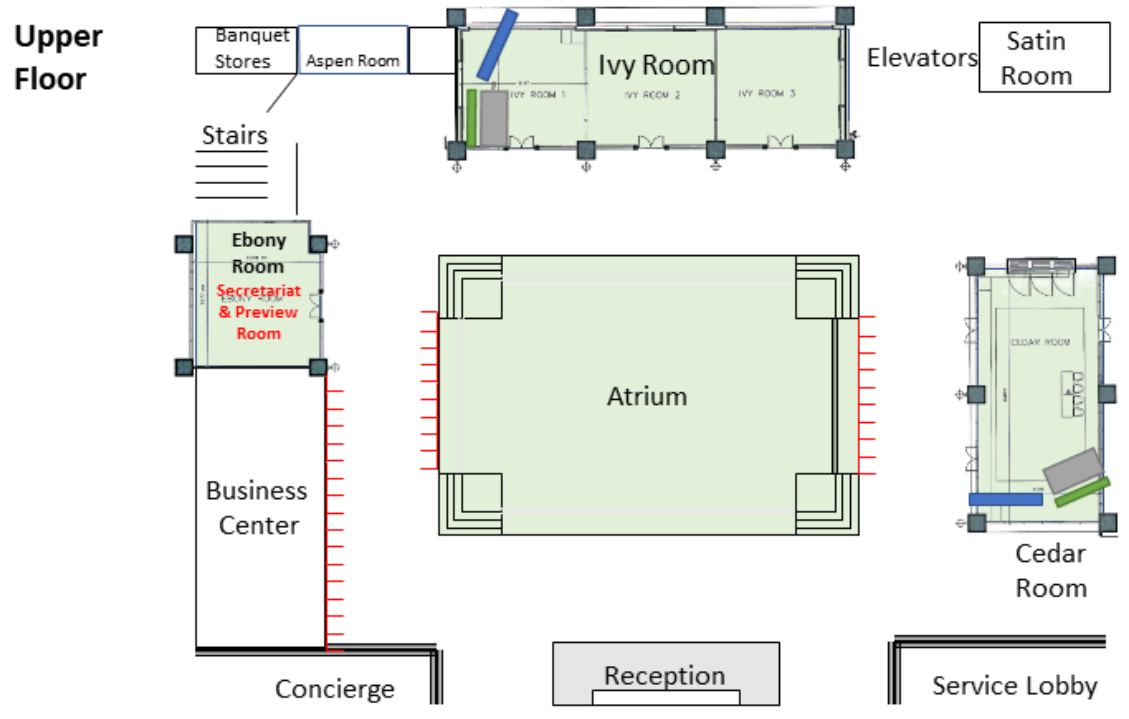
**Prof. Vajira H. W. Dissanayake**

## Digital Health Week at a Glance

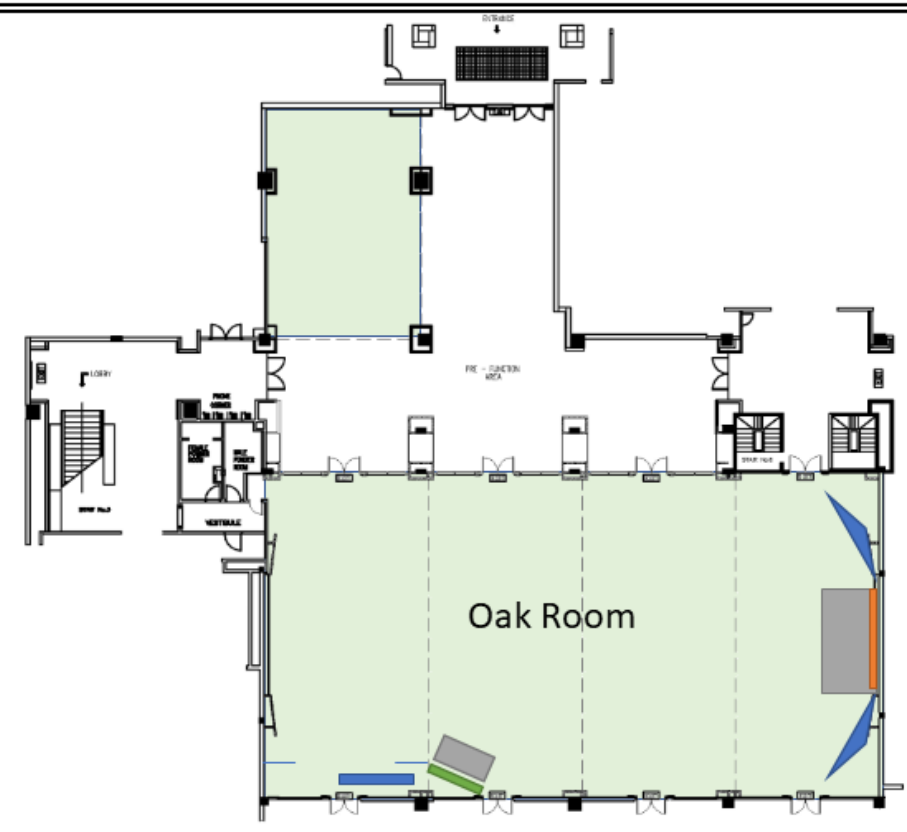
October 2018	Oak (Main Hall and Hall B)		Cedar	Ivy	Atrium	Oak (C) & Foyer	Ebony
7 (Sunday)	AeHIN	AeHIN	AeHIN	AeHIN			Secretariat & Preview Room
	AeHIN	AeHIN	AeHIN	AeHIN			Secretariat & Preview Room
8 (Monday)	AeHIN	AeHIN	IMIA Board Meeting				Secretariat & Preview Room
	AeHIN	AeHIN	IMIA Board Meeting				IMIA Meeting
9 (Tuesday)	AeHIN		IMIA GA			Expo	Secretariat & Preview Room
	AeHIN		IMIA GA			Expo	Secretariat & Preview Room
	APAMI – Inauguration						Secretariat & Preview Room
10 (Wednesday)	APAMI	APAMI	GT	WHO Meeting		Expo	Secretariat & Preview Room
	APAMI	APAMI	GT	WHO Meeting		Expo	Secretariat & Preview Room
				APAMI GA			Secretariat & Preview Room
11 (Thursday)	APAMI	APAMI	GT	WHO Meeting	CMA Award – Judging	Expo	Secretariat & Preview Room
	APAMI	APAMI	GT	WHO Meeting	CMA Award – Judging	Expo	Secretariat & Preview Room
					APAMI – Gala Dinner		Secretariat & Preview Room
12 (Friday)	CMA DHC		Digital Health Sri Lanka- 1	Digital Health Sri Lanka- 2		Expo	Secretariat & Preview Room
	CMA DHC		Digital Health Sri Lanka- 1	Digital Health Sri Lanka- 2		Expo	Secretariat & Preview Room
	CMA – Awards						Secretariat & Preview Room



# Conference Floor Plan



## Ground Floor



## Programme in Detail – AeHIN Conference & General Assembly

<b>October 6 (Saturday):</b> Guests Arrive	
<b>October 7 (Sunday):</b> Pre-conference and deep-dives Participants are required to bring their laptops for these pre-conference workshops	
<b>Morning</b>	
0745-0830	AeHIN 101: An Introduction to AeHIN (Main Hall)
0830-1200	A) Investing in Digital Health - Practical workshop with Tools to make Better Investment Decisions in National Digital Health Infrastructure (Main Hall)
<p>Lead: Susann Roth, Peter Drury, Tom Jones, Philip Christian Zuniga</p> <p>Description: The workshop will equip participants with tools to map and plan investments required for building a digital health enterprise in a phased and sustainable approach. It will also familiarize participants with socio-economic benefit analysis, which helps to develop better business cases for digital health and ensure that health workers and patients benefit from these investments. The Standards and Interoperability Lab Asia (SIL-Asia) will facilitate the workshop. This will allow participants to learn about SIL-Asia resources and how to deploy them in the country context.</p>	
0830-1200	B) Data Science for the SDGs and UHC (Hall B)
<p>Lead: Donna Medeiros, Lori Thorell, Raymond Sarmiento, Neal Myrick, Kate Wilson, Liara Tutina, Michael Brainbridge, Caren Althausen</p> <p>Description: Data science is about transforming data sources into valuable insights, predictions and shared knowledge. This innovative field includes predictive analytics, standardization and terminology services, ICT foundational aspects, data integration and a critical focus on data use and quality. As this fascinating science continues to evolve, expertise in collecting, managing and visualizing data is required. With huge volumes of data being generated, governments and organizations can be deluged with data from various sources from population level to person-centric. Ministry leaders and partners have key decisions to make. Among them what specific technologies, processes, policies and human resources to invest in. Considerations of interoperability, ease of use, privacy and security are also central in planning.</p> <p>Consistent with AeHIN's Mind the GAPS framework, this 6th GM leading edge session will highlight data centric solutions as investments in enterprise architecture and interoperability. How technology can be used to disrupt the current cycle of labor-intensive data management and reporting will be explored and case studies presented. Input will be gathered from session participants for a possible joint publication. A key outcome of the session will be the generation of a high-level plan for a new Data Science collaborative for the Asia and Pacific to assist countries in achieving the SDGs and UHC.</p>	
0830-1200	C) Open Insurance Management Information System (OpenIMIS) for YOU! (Cedar Room)
<p>Lead: Saurav Bhatarrai, Carl Leitner, Michael Stahl</p> <p>Description: Last year at a Joint Learning Network's session on Social Health Insurance, a large number of participants expressed their need and wishes for an ICT system to manage health insurance scheme. Thus, was born OpenIMIS is now freely available with resources to be released in 2019. This is a great opportunity for countries/scheme operators/development orgs who expressed interest to help create a requirements list for the future of OpenIMIS.</p>	

0830-1200	D) Innovations in Digital Health: Blockchain and Web Technologies (Ivy Room)
<p>Lead: Standards and Interoperability Lab Asia - Alvin Marcelo, Philip Christian Zuniga, Raymond Sarmiento, Rose Ann Zuniga, Joanne Mendoza, and Ada Cariaga; Taiwan eHealth Association - Chien-Yeh Hsu, and Hsiu-An Lee</p> <p>Description: In this workshop, collaboration of two leading digital health innovation centers in AeHIN will be presented. SIL-Asia, the regional health interoperability lab powered by AeHIN and with support from ADB and PCRF, will present a deep-dive on Fast Healthcare Interoperability Resources (FHIR), the leading draft standard in digital health messaging and communication, and a hands-on training on the HAPI FHIR server currently maintained by SIL-Asia. A discussion on Blockchain, particularly its application to health data, will follow.</p> <p>The Hsu Lab, currently housed at the National Taiwan University of Nursing and Health Sciences will then present their work on developing a Personal Health Record (PHR) application using Blockchain. After the discussions and the demonstration, a workshop on developing a FHIR profile for PHRs will be done with the attendees.</p> <p>Technical discussions will be also be conducted to help participants develop a practical understanding of FHIR, and how IHE profiles can be used to help countries in their journey towards interoperability. A short demo on blockchain-based PHR system will also be presented by the Taiwan eHealth Association.</p>	
<p><b>October 7 (Sunday):</b> Pre-conference and deep-dives <b>Afternoon</b></p>	
1300-1630	E) CRVS, Unique Identification Number, and the UHC: Role of Citizen Identity in HIS Interoperability (Main Hall)
<p>Lead: Boonchai Kljssanayotin, Sam Mills, Carl Fourie</p> <p>Description: Recent developments on civil registration and vital statistics are showing promise especially as they pertain to health information systems interoperability. In this session, experts from the Center of Excellence for CRVS (IDRC), UNICEF, World Bank, Thailand and Myanmar will share their experiences with digitizing their CRVS and the implementation.</p>	
1300-1630	F) DHIS2 Knowledge Exchange And Latest Updates (Hall B)
<p>Lead: Jorn Braa, John Lewis, Shurajit Dutta, Knut Staring, Hong Anh Chu, Pragma Mathema, Muhammad Ziaul Hoque, Muhammad Abdul Hannan Khan, Ashish Kumar Saha, Samir Kanti Sarkar, Lwin Lwin Aung, Chansaly Phommavong, Pamod Amarakoon</p> <p>Description: DHIS2 is a popular health management information system used by at least 12 Asian countries. This session allows countries to share experiences, latest development with DHIS2, and how they can mutually support each other.</p>	
1300-1630	G) Health Data Collaborative Digital Health & Interoperability Global Goods Workshop (Cedar Room)
<p>Lead Facilitators: Adele Waugaman, William Weiss, Kristina Celentano; Global Goods Presenters: Carl Leitner, Patty Mechael, Steve Ollis, Maeghan Orton; Reactors: Teddy Berihun, Moses Busiga, Fazilah Shaik Allaudin, Razel Nikka Hao, Jai Ganesh, Anis Fuad, Anuruddha Indika Jagoda, and Nishan Siriwardena, Siaw Teng-Liaw, Olasupo Oyedeopo</p> <p>Description: The Health Data Collaborative (HDC) is an inclusive partnership of international agencies, governments, philanthropies, donors and academics, with the common aim of improving health data. The Digital Health &amp; Interoperability (DH&amp;I) Working Group of the HDC is a group of 170+ members working to: (1) optimize the meaningful use and reuse of health information technology in low and middle income countries to support achievement of SDGs through the implementation of foundational digital health infrastructures; (2) actively promote the development, use, and long-term support of digital health ‘global public goods’; and (3) increase, in a measurable way, the level and alignment of country and partner investments in support of the first two objectives</p> <p>The workshop will discuss the (1) Interoperability Maturity Model, (2) HIS Stages of Continuous Improvement, (3) Digital Health Investment Review Tool, and (4) Digital Square.</p>	

1300-1630	H) Principles for Digital Development and Community of Interoperable Labs (Cedar Room)
<p>Lead: Digital Impact Alliance - Kate Wilson and Matt Haikin; Standards and Interoperability Lab Asia - Alvin Marcelo, Philip Christian Zuniga, Raymond Sarmiento, Rose Ann Zuniga, Joanne Mendoza, Ada Cariaga, Kristin Pascual, Jembi Health Systems - Carl Fourie</p> <p>Description: With the advent of accessible digital technology more than a decade ago, international development organizations began seeking new ways of including digital tools in their programming for improved outcomes. These efforts were initially quite successful; significant advancements occurred in various sectors such as health and agriculture, more communities around the globe were connected, and underserved populations were reached in a way that had not been possible before. However, some digitally-enabled programs failed – and quite often that failure was for reasons that were both predictable and preventable. This workshop will introduce the participants to the Principles for Digital Development and how they can apply these to their own countries.</p> <p>During the second part of the meeting, the formation of the AeHIN Community of Interoperability Labs will be presented. SIL-Asia will present how interoperability labs can be organized and established with the guidance of the SIL-Asia co-creation Framework. This session will be open to all countries who are interested to set-up their own health interoperability lab.</p>	
<p><b>October 8, Monday: Day 1 Conference &amp; General Meeting (Main Hall)</b></p>	
0700-0800	Registration
0800-0815	Guests Take Their Seats
0815-0820	Arrival of the Chief Guest
0820-0830	Introduction of the Chief Guest to the AeHIN Board and Working Council
0830-0835	Procession Enters the Hall
0835-0840	National Anthem
0840-0845	Traditional Lighting of the Oil Lamp
0845-0850	<p>Welcome Address</p> <p>Prof. Vajira H. W. Dissanayake            President, Health Informatics Society of Sri Lanka            Chairman, Commonwealth Centre for Digital Health            Chairperson, Specialty Board in Biomedical Informatics, University of Colombo            Sri Lanka</p>
0850-0855	<p>Address by the Chair of the Asia eHealth Information Network Dr. Boonchai Kijisanayotin            Director, Thai Health Information Standards Development Center (THIS), Health Systems Research Institute (HSRI), Thailand</p>
0855-0900	<p>Address by Dr. Anil Jasinghe            Director General of Health Services, Ministry of Health and Indigenous Medicine, Sri Lanka</p>
0900-0910	<p>Address by Dr Razia Pendes            World Health Organization Representative for Sri Lanka, World Health Organisation</p>
0910-0920	<p>Address by Dr. Susann Roth            Principal Knowledge Sharing and Services Specialist, Asian Development Bank</p>

0920-0950	Address by the Chief Guest Honorable Dr. Rajitha Senaratne Minister of Health, Nutrition and Indigenous Medicine, Sri Lanka
0950-1000	Vote of Thanks Dr. Alvin Marcelo Executive Director, Asia eHealth Information Network Associate Professor of Surgery and Health Informatics, University of the Philippines Manila
1000-1030	Photo opportunity and break
1030-1115	Plenary 1: Reaping the Benefits of GAPS - Governance, Architecture, Program Management, Standards & Interoperability Moderator: Alvin Marcelo Malaysia (Fazilah Shaik Allaudin) Myanmar (Nay Win Aung) Bangladesh (Ashish Kumar Saha) Sri Lanka (Anuruddha Indika Jagoda)
1115-1200	Plenary 2: Benefits of Digitally-capable Health Insurance Moderator: Pura Angela Co Indonesia (Didik Budijanto) Philippines (Razel Nikka Hao) Vietnam (Pham Than Dat) Thailand (Polawat Witookollachit) Thailand (Boonchai Kijjanayotin) Japan (Shinji Kobayashi) Taiwan (Marc Hsu) Peru (Luis Obrego)
1200-1245	Plenary 3: Digital Health Benefits and Opportunities for Countries Moderator: Jai Ganesh Udayasankaran World Health Organization (Mark Landry) Asian Development Bank (Susann Roth) United Nations Children's Fund (Lori Thorell) Fondation Pierre Fabre (Béatrice Garrette) Digital Impact Alliance (Kate Wilson) United States Agency for International Development (Bill Weiss)
1245-1400	LUNCH

1400-1645	<p>Interoperability Marketplace</p> <p>Countries and their partners present their interoperability projects. Presentations with support from their partners.</p> <p>Bangladesh</p> <p>WHO Causes of Death Tracker, Vaccine Preventable Disease Surveillance, Kala-Azar Tracker, Cervical and Breast Cancer Patient Management and Tracking (Sukendu Shekhor Roy, Hannan Khan, Nayeem Al Mifthah)</p> <p>Evolution of Nutrition Information System (Samir Kanti Sarkar, Pragya Mathema, Muhammad Ziaul Hoque)</p> <ol style="list-style-type: none"> <li>a. OpenSRP-DHIS2 (Mridul Chowdhury, Matt Berg, Hannan Khan)</li> <li>2. Bhutan National eHealth Strategy</li> <li>3. Cambodia National Health Health Information Systems Strategy</li> <li>4. Operation ASHA (Sandeep Ahuja, Shelly Batra)</li> <li>5. Indonesia       <ol style="list-style-type: none"> <li>a. Health Data Integration (Yudianto Singgih, Farida Sibua, Guardian Yoki Sanjaya, Ni'mah Hanifah)</li> <li>b. Interoperability with Health Insurance (Yudianto Singgih, Farida Sibua, Guardian Yoki Sanjaya, Ni'mah Hanifah)</li> </ol> </li> <li>6. Laos       <ol style="list-style-type: none"> <li>a. Integration Effort with Vertical programs through DHIS2 (Khamphet Manivong, Chansaly Phommavong)</li> <li>b. Innovation and Best Practice for Offline Health Centers (Khamphet Manivong, Chansaly Phommavong)</li> </ol> </li> <li>7. Mongolia eHealth Project (Sereneen Enkhbold)</li> <li>8. Myanmar       <ol style="list-style-type: none"> <li>a. GIS Community of Practice (Nay Win Aung)</li> <li>b. DHIS2: Data Visualization (Lwin Lwin Aung)</li> <li>c. JICA Data System for TB Laboratories by using QR Code and other Technologies (Ikuma Nozaki)</li> </ol> </li> <li>9. Nepal       <ol style="list-style-type: none"> <li>a. Amakomaya (Rajendra Poudel)</li> <li>b. openIMIS (Sebastian Kuhn, Alicia Spengler)</li> <li>c. MoHP New Facility Health Registry (Manoj Tamrakar, Ravi Chandra Ghimire, Saurav Bhattarai, Prashant Pokhrel)</li> </ol> </li> <li>10. Sri Lanka       <ol style="list-style-type: none"> <li>a. MOH Innovations on EHR, mHealth, eLearning, eSurveys (Anuruddha Indika Jagoda)</li> <li>b. Commonwealth Centre for Digital Health (Vajira Dissanayake)</li> <li>c. DNMS (Pamod Amarakoon)</li> <li>d. eIMMR (Buddika Dayaratne)</li> <li>e. HIMS (Nishan Siriwardena)</li> </ol> </li> <li>11. Taiwan eHealth Association (Prof Chien-Yeh Hsu)</li> <li>12. Thailand Tracking Prices of Medicines with Standard Drug Terminology (Boonchai Kijsanayotin)</li> <li>13. Vietnam Interoperability Lab (Tran Quy Tuong)</li> <li>14. Standards and Interoperability Lab - Asia (Philip Christian Zuniga)</li> <li>15. Digital Impact Alliance (Kate Wilson, Matt Haikin)</li> <li>16. The Broadband Commission - 'The Promise of Digital Health: Addressing Non-communicable Diseases to Accelerate Universal Health Coverage in LMICs (David Heard)</li> <li>17. World Health Organization       <ol style="list-style-type: none"> <li>a. WHO Digital Health Resolution</li> <li>b. SCORE</li> <li>c. Digital Health Atlas (Maeghan Orton)</li> <li>d. Digital Health Intervention Guide (Maeghan Orton)</li> <li>e. WHO Health Apps for DHIS 2 (Kavitha Viswanathan, Hong Ang Chu)</li> </ol> </li> <li>18. CR8 South-Asia Civil Registration Network (Sunia Soakai)</li> <li>19. SNOMED-CT (Md Khadzir Sheikh Ahmad, Liara Tutina, Michael Bainbridge)</li> <li>20. Simprints Technology (Sebastian Manhart, Subrata Kumar Kundu, Monowarul Aziz)</li> </ol>
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1645-1745	Business Meeting: Presenting the AeHIN 2018-2022 Strategic Implementation Plan
1745-1900	Side Meetings: DHIS2, Research, Routine Health Information System, etc
1900 -2000	Cocktails
<b>October 9, Tuesday: Day 2 Conference &amp; General Meeting (and 2nd AeHIN Fun Run) (Main Hall)</b>	
0830-0845	Recap of previous day
0845-1030	Interoperability Showcase by the Standards and Interoperability Lab for Asia (SIL-Asia)
1030-1100	Break
1100-1300	OpenSpaces - a methodology where participants can discuss topics that are interesting to them
1300-1400	LUNCH and AeHIN Side meeting with Donors
1400-1445	Country Workshop - Planning for 2018-2020 - Continuing our Interoperability Journey (to be followed by gallery viewing)
1445-1515	Working Break
1515-1700	Meet the experts/Peer-to-peer Knowledge Exchange
1700	Group picture: Network of Networks Together for Interoperability Closing ceremony
1730	Adjourn
<b>All Delegates are invited to the APAMI 2018 Inauguration (Programme in pg. 14)</b>	


# APAMI 2018- Programme in Detail

## 09<sup>TH</sup> OCTOBER 2018: INAUGURATION


6.00 pm	Guests Take Their Seats	
6.15 pm	Arrival of the Chief Guest and Guest of Honour	
6.20 pm	Introduction of the Chief Guest and Guest of Honour to APAMI Executive	
6.30 pm	Procession Enters the Hall	
6.35 pm	National Anthem	
6.40 pm	Traditional Lighting of the Oil Lamp	
6.45 pm	<b>Welcome Address</b> <i>Prof. Vajira H. W. Dissanayake</i> <i>President, HISSL and Chairperson, Specialty Board in Biomedical Informatics, University of Colombo Sri Lanka</i>	
6.50 pm	<b>Address by the President of APAMI</b> <i>Dr. K. H. Cho</i> <i>President, Korean Society for Medical Informatics South Korea</i>	
7.00 pm	<b>Keynote Address 1</b> Clinical Decision Support to improve the Quality of Care <i>Prof. Christoph Lehmann,</i> <i>Professor of Biomedical Informatics and Pediatrics</i> <i>Vanderbilt University Medical Centre, USA</i> <i>President, International Medical Informatics Association</i>	
7.30pm	<b>Keynote Address 2</b> The world tomorrow: technology clinical trials and healthcare? Prof. James Batchelor Professorial Fellow of Clinical Informatics & Healthcare Innovation Director, Clinical Informatics Research Unit University of Southampton UK	
8.00 pm	Address by the Guest of Honour	
8.10 pm	Address by the Chief Guest	
8.20 pm	Presentation of APAMI Bursaries and Southampton-APAMI Travel Awards	
8.30 pm	<b>Group Photo</b> <i>Chief Guest, Guest of Honour, APAMI Executive</i>	
8.35 pm	<b>Vote of Thanks</b> <i>Dr. Rohana Marasinghe</i> <i>President Elect, HISSL</i>	
8.45 pm	Cultural Show	
9.00 pm	Reception	




## 10<sup>TH</sup> OCTOBER 2018: CONFERENCE DAY 1

08:00	08:30	APAMI/GT Registration		
		APAMI Track 1 (Oak - Main Hall)	APAMI Track 2 (Oak - Hall B)	Global Telehealth 2018 (Cedar Room)
08:30	09:15	<b>Plenary Talk 1: Consumer Health Informatics</b> Sabine Koch, President Elect, IMIA Strategic Professor of Health Informatics at Karolinska Institutet, Sweden		
				
09:15	10:45	Symposium1: Connected and Digital Health – 1	Symposium 2: Health Systems Strengthening	Session GT1 – Contributed Papers
09:15	09:15	Introduction by chair <i>Clive James, Sri Lanka</i>	Introduction by chair <i>Oommen John India</i>	09.15-09.20 Introduction by Chair <i>Rohana Marasinghe Sri Lanka</i>
09:20	09:20	Assessing the Security Vulnerabilities of IoT Adoption in Healthcare <i>Samaneh Madanian New Zealand</i>	Continuity of care for chronic diseases <i>Sabin Koch, President Elect, IMIA Sweden</i>	09.20-09.40 Instant Messaging in Dermatology: A Literature Review <i>Maurice Mars South Africa</i>
09:30	09:30	A pilot project on interoperability between public health information system and EMR/ EHR in China <i>Hui Ge China</i>	Measurement of clinical outcomes <i>Petter Hurlen Norway</i>	
09:40	09:40	Virtual Reality for Active Ageing: A feasibility study in Taiwan <i>Shabbir Syed-Abdul Taiwan</i>	Tupaia – mapping health systems in Asia-Pacific: Overlaying HIS, LMIS and facility assessment data across 6 countries on a single, regional data platform <i>Edwin Monk-Fromont New Zealand</i>	09.40-10.00 Comparative Study of Medical Reference and Information Mobile Apps for Healthcare Professionals and Students <i>Irfan Muhammad Ehtisham Australia</i>
09:50	09:50	Using PHR and PM2.5 Open Data to Build a Web Based Smart Upper Respiratory Disease Alerting System <i>Hsiu An Lee Taiwan</i>	OpenMRS. A revolution in eHealth in Low and Middle-Income Countries (LMIC) <i>Terry Hannan New Zealand</i>	
10:00	10:00		Designing standardized message based on clinical concept models for nation-wide EHR system. <i>Shinji Kobayashi Japan</i>	10.00-10.20 Designing Telerehabilitation System for Multipronged Exercise in Patients with Multiple Sclerosis <i>Joseph Finkelstein USA</i>


10.10		Users perception toward the usefulness of the web-based system for disease surveillance: a qualitative study <i>Lutfan Lazuardi</i> <i>Indonesia</i>		
10.20		Digital Health Development in LMIC – Peer to Peer Knowledge Exchange among countries <i>Boonchai Kijsanayotin (TMI) – Thailand,</i> <i>Alvin Marcelo (AeHIN) – Philippines</i>	10.20-10.40	Speaker Panel Q&A
10.30	Q&A	Q&A	10.40-10.45	Closing Remarks
10.45	11.00	Tea		
11.00	12.30	APAMI Symposium 3	Symposium 4: Human, organisational, and social aspects – 1	Session GT2 – Keynote Papers
11.00		Introduction by Chair <i>Kyunghee Cho</i> <i>Republic of Korea</i>	Introduction by Chair <i>Pradeep Sylva</i> <i>Sri Lanka</i>	11.00-11.05 Introduction by Chair <i>Anthony Maeder</i> <i>Australia</i>
11.05		Recent development of medical informatics in Hong Kong <i>Chun Por Wong (HKSMI)</i> <i>Hong Kong</i>	Evaluation of the acceptance of a mobile verbal autopsy App by public health midwives in Sri Lanka <i>Chamika Senanayake</i> <i>Sri Lanka</i>	11:05-11:35 Invited 1: Methodologies for Improving the Quality and Safety of Telehealth Systems <i>Elizabeth Borycki</i> <i>Canada</i>
11.15		The Fourth Industrial Revolution and medical informatics. <i>Polun Chang – Taiwan,</i> <i>Jack Li (TAMI) – Taiwan</i>	Simplifying the Complex: Mind the Governance, Architecture, Program Management, Standards and Interoperability <i>Alvin Marcelo</i> <i>Philippines</i>	
11.25		Emerging Digital Health Ecosystem <i>Vajira Dissanayake</i> <i>Sri Lanka</i>	Understanding User Emotional Expression in Community Question Answering website for the Social Incidents: A Sentiment Analysis of Zhihu.com <i>Yaotan Xie</i> <i>China</i>	
11.35		Big Data Project and international collaboration <i>Dai Jin Kim (CUK) – Republic of Korea,</i> <i>In Young Choi (KOSMI) – Republic of Korea</i>	Health Information Systems Online Course for Public Health Practitioners in Indonesia <i>Ni'mah Hanifah</i> <i>Indonesia</i>	11.35-11.45 Speaker Q&A
11.45		Digital Health enabling Universal Health Coverage in India: Ayushman Bharat <i>Oommen John (IAMI)</i> <i>India</i>	Perceived improvement of the process of patient care by digitization of primary health care encounters in OPD set-up of a tertiary care hospital through the lens of the health professionals <i>Neranga Liyanaarachchi</i> <i>Sri Lanka</i>	11.45-11.50 Introduction by Chair

	11.55			11.50-12.20	Highlight 1 Selfie Telemedicine – What Are The Legal and Regulatory Issues? <i>Maurice Mars</i> <i>South Africa</i>
	12.05	Q&A	Q&A	12.20-12.30	Speaker Q&A
12.30	13.15	<b>Plenary Talk 2: The DHIS2 Open Source eHealth Network in Asia: Collaboration and synergies. Examples from Sri Lanka, Lao PDR, India and Indonesia</b> Prof Jørn Braa, Senior Professor Department of Informatics, Faculty of mathematics and natural Science, University of Oslo, Norway.			
<b>Lunch</b>					
14.00	15.30	<b>Symposium 5: Application of AI in Medicine and Health Care – 1</b>	<b>Symposium 6: Human, organisational, and social aspects – 2</b>	<b>Session GT3 – Keynote Papers</b>	
	14.00	Introduction by chair <i>Nirmala Cooray</i> <i>Sri Lanka</i>	Introduction by Chair <i>Achala Jayatilleke</i> <i>Sri Lanka</i>	14.00-14.05	Introduction by Chair <i>Maurice Mars</i> <i>South Africa</i>
	14.05	Application of Artificial Neural Network to Predict Chronic Kidney Disease <i>Tahmina Nasrin Poly</i> <i>Taiwan</i>	Health Information Literacy and Obstacle in Online Health Information Seeking Among Digital Immigrants <i>Wang Fuzhi</i> <i>China</i>	14.05-14.35	Invited 2: Citizens & Health Data – untapped resource for Telehealth <i>Anne Moen</i> <i>Norway</i>
	14.15	Application of Machine learning to Predict Survival of Hepatocellular Carcinoma Patients <i>Mohaimenul Islam</i> <i>Taiwan</i>	Citizen’s attitudes for handling their healthcare record by IT, 10 years change between 2008 and 2018 <i>Michio Kimura</i> <i>Japan</i>	14.35-14.45	Speaker Q&A
	14.25	Accurate detection of fibula malrotation based on 2D-3D registration <i>Yan Li</i> <i>China</i>	Case study: Integrating eHealth into basic training curricula to transform allied health professionals education in government health sector <i>Neranga Liyanaarachchi</i> <i>Sri Lanka</i>	14.45-14.50	Introduction by Chair
	14.35	Application of RBF-Artificial Neural Network in Risk Prediction of Children Autistic-Spectrum Disorder <i>Luo Dan</i> <i>China</i>	Sharing experiences of development, implementation and maintenance of Hospital Information Management System(HIMS) to government hospitals in Sri Lanka <i>Nishan Siriwardena</i> <i>Sri Lanka</i>	14.50-15.20	Highlight 2: Using the Behaviour Change Wheel for designing an Online Platform for Healthy Weight Loss – “POEmAS” <i>Alline Beleigoli</i> <i>Australia</i>
	14.45	Explore AI assisted imaging tasks <i>Zhi Yang</i> <i>China</i>	Strengthening HIS through social media: Reflection of whatsapp use in DHIS2 implementation in Indonesia <i>Guardian Sanjaya</i> <i>Indonesia</i>	15.20-15.30	Speaker Q&A

14.55		Key stakeholder perspectives on alignment of digital health initiatives with institutional strategies at a Tertiary Care Hospital in Sri Lanka. <i>Pradeep Sylva</i> <i>Sri Lanka</i>	
15.05		Preliminary results of health information use promotion using DHIS2 in Indonesia: a realist evaluation approach <i>Jørn Braa</i> <i>Norway</i>	
15.15	Q&A	Q&A	
15.30	15.45	Tea	
15.45	17.15	<b>Symposium 7: Nursing Informatics</b>	<b>Symposium 8: Health Data Science – 1</b>
			<b>Session GT4 – Innovations in Telehealth (Short Talks)</b>
15.45		Introduction by Chair <i>Oommen John</i> <i>India</i>	Introduction by chair <i>M H Abusayeed</i> <i>Sri Lanka</i>
15.50		Nursing interventions improving patient safety <i>Patrick Weber, Vice President, IMIA</i> <i>Switzerland</i>	15.45-15.55 Identifying Important Factors of Falling Accidents in Acute Hospital using Machine-Learning Techniques <i>Yasunobu Nohara</i> <i>Japan</i>
			15.55-16.05 The Evolution of Telehealth: moving from use-case specific telehealth technology to Unified Telehealth <i>Eric Gombrich</i> <i>Canada</i>
16.10		The Nurses' Role in Improving Software Quality: How Nurse's Can Reduce Technology-induced Error and Optimize Healthcare <i>Elizabeth Borycki</i> <i>University of Victoria, Canada</i>	16.05-16.15 Relationships between Violence and socio-demographic factors a spatial analysis in selected provinces of Sri Lanka. <i>Rohan Jayasuriya</i> <i>Australia</i>
			16.05-16.15 We don't need new technology in telemedicine we need a new business model <i>N Williams</i> <i>Australia</i>
16.20		Implementation of Nursing Care Plans and International Classification of Nursing Practice nomenclature at the National Hospital of Sri Lanka <i>Kithsiri Mulleriyawa</i>	16.15-16.25 Using Medications to predict diagnosis codes by multi-label classification <i>Chen-Cheng Kuo</i> <i>Taiwan</i>
			16.15-16.25 Using IBM Watson in quality and safety assessments <i>Petter Hurlen</i> <i>Norway</i>
			16.15-16.25 Comprehensive approach to the National Network of Teleaudiology in Word Hearing Center in Kajetany, Poland <i>P Skarzynski</i> <i>Poland</i>

16.30	An RCT to assess the effectiveness of nurse-led structured telephonic based heart failure management program – A pilot study. <i>Gopichandran Lakshmanan India</i>	The association between ehealth literacy and health behaviours in young and midlife adults in Polish population <i>Mariusz Duplaga Poland</i>	16.25-16.35	Health Information System Reforms in Kiribati <i>T Tabunga Kiribati</i>
			16.35-16.45	The development of a gastric cancer risk prediction model among Koreans based on data collected from National Health Insurance Service <i>J Choi Republic of Korea</i>
16.40	End-user Perception and Challenges Encountered in Implementation of mHealth Solution for Public Health Surveillance at field level: A case from Sri Lanka <i>Pamod Amarakoon Sri Lanka</i>	Defining web based indicators to evaluate disaster shelters <i>Gumindu Kulatunga Sri Lanka</i>	16.45-16.55	Comparison of work burden on nursing care providers with and without a sensing system: an empirical study <i>S Itoh Japan</i>
			16.55-17.05	Connections For Saving Lives- A Review of different models of tele medicine under National Health Mission in India <i>D Agarwal India</i>
16.50	Q&A	Q&A	17.05-17.15	Healthcare accessibility for North East India: A Nagaland Telemedicine Pilot Project <i>R Adholeya India</i>
			17.15-17.25	Cloud driven application for measurement of wound size <i>S Gogia India</i>
17.15	18.00	Plenary Talk 3: Nursing informatics – challenges and opportunities Patrick Weber Director of NICE Computing AG, Switzerland		
				
19:00	21:00	APAMI GA (By Invitation Only)		

## 11<sup>TH</sup> OCTOBER 2018: CONFERENCE DAY 2

08.30	09.15	<b>Plenary Talk 4: Innovations for future ready health systems : Moving beyond pilots and quick fixes</b> Oommen John Senior Research Fellow, The George Institute for Global Health   INDIA		
09.15	10.45	<b>Symposium 9: Telehealth and mHealth</b>	<b>Symposium 10: Knowledge Management – 1</b>	
	09.15	Introduction by chair <i>Gayana Piyasena</i> <i>Sri Lanka</i>	Introduction by chair <i>Anuradha Jayatilake</i> <i>Sri Lanka</i>	09:15-09:20 Introduction by Chair <i>A Maeder</i> <i>Australia</i>
	09.20	The role of telehealth in the provision of culturally appropriate care for Aboriginal Australians <i>Danette Langbecker</i> <i>Australia</i>	Assessment of the Implementation of Standardized Terminology in Community Care by Analyzing Community Clinical Pathways <i>Ryoma Seto</i> <i>Japan</i>	09:20-09:40 Characterizing Routine Physical Activity in the Office <i>Y van Kasteren</i> <i>Australia</i>
	09.30	Developing Theory based Mobile applications: a case study of developing an application for sedentary behaviour in Bangladesh <i>Rohan Jayasuriya</i> <i>Australia</i>	A regional (six country) aggregated DHIS2 health data platform lessons learned <i>Dhanya Herath</i> <i>New Zealand</i>	
	09.40	Test piloting of a mHealth application for Non-Communicable Diseases in Public Primary Care settings in India <i>Pramod David Jacob</i> <i>India</i>	Development of Knowledge Portal for Pharmaceutical Research <i>Peixiang YANG</i> <i>China</i>	9:40-10:00 Habitual Personal Movement Patterns in a Structured Environment <i>A Maeder</i> <i>Australia</i>
	09.50	A mobile application for doctors to improve the recording of Cause of Death: A Sri Lankan study <i>Rangana Wadugedara</i> <i>Sri Lanka</i>	Transformation of Environmental, Occupational Health and Food Safety data flow <i>Prabhadini Godage</i> <i>Sri Lanka</i>	
	10.00	Feasibility of remote vital signs monitoring in frontline military hospitals <i>Lalan Fernando</i> <i>Sri Lanka</i>		10:00-10:20 Exploring Key Elements for Successful Telehealth Implementation within Severely Under-Resourced Communities: A Case Study in the Pacific Islands <i>C Higa</i> <i>USA</i>

10.10	Cloud-Base Home Environment Health Monitoring Framework <i>Kalaivani Chellappan Malaysia</i>	Assessment of eRH MIS school health information system usability among users in Kegalle and Anuradhapura Districts <i>Ashan Dimal Sri Lanka</i>		
10.20	Connections For Saving Lives- A Review of different models of tele medicine under National Health Mission in India <i>Disha Agrawal India</i>	Implementation of a Free and Open Source Picture Archiving and Communication Solution (PACS) for the largest specialized paediatric hospital in South Asia <i>M U T Perera Sri Lanka</i>	10:20-10:40	Speaker Panel Q&A
10.30	Q&A	Q&A	10:40-10:45	Closing Remarks
10.45	11.00	Tea		
11.00	12.30	<b>Symposium 11: Application of AI in Medicine and Health Care – 2</b>	<b>Symposium 12: Health Data Science – 2</b>	<b>Session GT6 – Keynote Papers</b>
11.00	Introduction by Chair <i>Anoma Jayaratne Sri Lanka</i>	Introduction by Chair <i>Lasantha Ranwala Sri Lanka</i>	11:00-11:05	Introduction by Chair <i>R Marasinghe Sri Lanka</i>
11.05	Listing differential diagnoses from symptoms of patients with vertigo using knowledge graph <i>Satoshi Iwai Japan</i>	Geo-enable health facility list: linking healthcare and public health data <i>Guardian Yoki Sanjaya Indonesia</i>	11:05-11:35	Invited 3: A Regional Perspective on Health Issues and Trends <i>R Pendse Sri Lanka</i>
11.15	Bioinformatics Database Research Platform for Internet Addiction <i>Sun Jung Lee Republic of Korea</i>	Using a Machine Learning Approach for Analyzing Standardized Data from the Pulmonary Resection Clinical Pathway <i>Takanori Yamashita Japan</i>		
11.25	Development of visual diagnostic tool in R for precursors of Cervical Cancer <i>Kumar Dron Shrivastav India</i>	Developing Meaningful Decision Support Tools for Hospital Administrators using Dashboards <i>M G P S De Silva Sri Lanka</i>		
11.35	Automatic and accurate recognition of corneal morphology from OCT images of rabbits <i>Bo Wu China</i>	Wearable technologies in clinical trials: An analysis of development trends over the past decade <i>Ashish Kakkar India</i>	11:35-11:45	Speaker Q&A

	<b>11.45</b>	Positioning of optical surgical instruments and acquisition of point cloud data <i>Nan Zhang</i> <i>China</i>	The TB Portals: Using data science and informatics to advance TB research through open-access, web-based sharing and analysis of integrated, multi-domain TB patient case data <i>Jessica Taaffe</i> <i>USA</i>	11:45-11:50	Introduction by Chair	
	<b>11.55</b>	Clinical and pathological evaluation of renal cell carcinoma by Radiomics based on machine learning <i>Zhangzhen Shi</i> <i>China</i>	Introduction of national injury surveillance with open source information management system <i>Lasantha M K Ranwala</i> <i>Sri Lanka</i>	11:50-12:20	Highlight 3: Clinician Perspectives of an Avatar-Directed Scheduling and Memory App <i>M van den Berg</i> <i>Australia</i>	
	<b>12.05</b>		Restructuring the Annual Health Bulletin: Incorporating advanced data analytics and visualizations to improve usability <i>W K D K K Wijayaweera</i> <i>Sri Lanka</i>			
	<b>12.15</b>	Q&A	Q&A	12:20-12:30	Speaker Q&A	
<b>12.30</b>	<b>13.15</b>	<b>Plenary Talk 5: How digital technology can innovate the way NCDs are addressed and accelerate the achievement of UHC</b> David J. Heard Head of Digital Health Novartis Foundation				
<b>13.15</b>	<b>14.00</b>	<b>Lunch</b>				
		<b>Symposium 13: Connected and Digital Health – 2</b>	<b>Symposium 14: Health data science – 3</b>	<b>Session GT7 – Contributed Papers</b>		
<b>14.00</b>	<b>14.00</b>	Introduction by Chair <i>Megha Ganewatta</i> <i>Sri Lanka</i>	Introduction by Chair <i>Uditha Perera</i> <i>Sri Lanka</i>	14:00-14:05	Introduction by Chair <i>M Mars</i> <i>South Africa</i>	
	<b>14.05</b>	Developing a Web-based Medical Equipment Inventory System <i>Prabath Jayathissa</i> <i>Sri Lanka</i>	Practice patterns and clinical outcomes with advanced and conventional care management in community-based care: a classification and regression tree (CART) analysis <i>Sakiko Itoh</i> <i>Japan</i>	14:05-14:25	Security and Other Ethical Concerns of Instant Messaging in Healthcare <i>M Mars</i> <i>South Africa</i>	
	<b>14.15</b>	mHealth for integrated service delivery in the Western Pacific Region: A Systematic Review <i>Myron Anthony Godinho</i> <i>Australia</i>	Electronic Medical Records-based Patient Similarity and Its Application in Building Personalized Predictive Model <i>Ni Wang</i> <i>China</i>			



14.25	Integrated LAN, Wi-Fi and wide area network at AIIMS for healthcare professionals and students of AIIMS. <i>Hari Shanker India</i>	An integrated data analysis in the context of biological network for exploration of distinct breast cancer subtypes <i>Lin Hua China</i>	14:25-14:45	A Patient Agent to Manage Blockchains for Remote Patient Monitoring <i>M Uddin Australia</i>
14.35	A Study on Health Information Exchange Based on Blockchain <i>Wei-Chen Wu Taiwan</i>	Learning Healthcare System: Spreading Best Practices in Healthcare <i>Madhu Bhatia India</i>		
14.45	Developed Service of Smartphone Overdependence Management Application <i>Mun Joo Choi Republic of Korea</i>	Evaluation of implementation of electronic health record in OPD of gastroenterology department of AIIMS, New Delhi <i>Sushil Meher India</i>	14:45-15:05	Health Information Technology and Telehealth Challenges in the U.S. Affiliated Pacific Islands Region <i>N Okamura Japan</i>
14.55	Analysis of regional healthcare services using both big data and the Geographic Information System available on Japanese Government websites <i>Yuma Ota Japan</i>	Use of online outpatient appointment system based on overbooking strategy for optimizing hospital resource utilization in a tertiary care public hospital <i>Sanjay Gupta India</i>		
15.05		Using Text Mining to Multiple Classification of SOAP Data: Experience from a Hospital of Taiwan <i>Jakir Masud Taiwan</i>	15:05-15:25	Speaker Panel Q&A
15.15	Q&A	Q&A	15:25-15:30	Closing Remarks
15.30	15.45	Tea		
15.45	17.15	<b>Symposium 15: Knowledge management – 2</b>	<b>Symposium 16: Quality and safety, and patient outcomes</b>	<b>Session GT8 – IMIA Telehealth WG Session</b>
15.45	Introduction by chair <i>Neranga Liyanaarachchi Sri Lanka</i>	Introduction by chair <i>Kusal Wijayaweera Sri Lanka</i>	15:45-15:50	Introduction by Chair <i>S Gogia India</i>
15.50	Using KM to facilitate superior care co-ordination <i>Nilmini Wickramasinghe Australia</i>	Development and evaluation of patient safety events prediction models using EHR data and big data analytics <i>Hyeoun-Ae Park Republic of Korea</i>	15:50-16:20	IMIA Telehealth WG scope and projects
16.00	Diagnostic accuracy and validation of an advanced symptom checker for medical self-care <i>Ananda Perera Sri Lanka</i>	Outcomes and cost analysis of total laparoscopic hysterectomy versus total abdominal hysterectomy <i>Zhao Xiangkun China</i>		

<b>16.10</b>	Informatics Knowledge Exchange in eHealth Network in Asia: AeHIN Experiences <i>Boonchai Kijsanayotin Thailand</i>	RFID approach to track clinician activity in the operating theater <i>Raafi Careem New Zealand</i>		
<b>16.20</b>	A Regional Medicines Information Exchange Service for Cross-border Drug Monitoring <i>Alvin Marcelo Philippines</i>	Development and integration models of an in-house built drug-allergy checking system <i>Shuk Man Connie Lau Hong Kong</i>	16:20-16:40	Global Telehealth future plans
<b>16.30</b>	Low cost, low power e-solution for patient management system using micro controls and embedded technology <i>Gayan Ysanatha Piyasena Sri Lanka</i>			
<b>16.40</b>	Imaging Informatics One-Stop Tool to Improve the Workflow of Modern Radiology Department <i>Zafar Iqbal Qatar</i>		16:40-16:45	Closing Remarks
<b>16.50</b>	Q&A	Q&A	16:45-17:15	Telehealth textbook presentation (closed session for co-authors)
<b>17.00</b>				
<b>17.15</b>	<b>18.00</b>	<b>Closing Plenary</b> <b>APAMI Beyond 2018</b> Prof Vajira H. W. Dissanayake President, Health Informatics Society of Sri Lanka President, Commonwealth Medical Association President-Elect, Asia Pacific Association for Medical Informatics		
<b>19:00</b>	<b>22.00</b>	APAMI Gala Dinner		



# Digital Health Sri Lanka 2018 & 3rd Commonwealth Digital Health Conference & Awards 2018 – Programme in Detail

Oak, Cedar & Ivy Rooms, Cinnamon Grand, Colombo. 12<sup>th</sup> October 2018

## 12<sup>TH</sup> OCTOBER 2018

Time	Track 1 (Oak)	Track 2 (Ivy)	Track 3 (Cedar)
08.30 09.00	Opening Plenary: Digital Health in Sri Lanka and the Commonwealth  <i>Prof. Vajira H. W. Dissanayake</i> President, Health Informatics Society of Sri Lanka President, Commonwealth Medical Association President-Elect, Asia Pacific Association for Medical Informatics		
09.00 10.00	<b>Panel Discussion on Digital Health Networks</b>	<b>Symposium on Continuum of Care Transformation Through Digital Health</b>	<b>Symposium on Nursing Informatics &amp; eLearning</b>
	Moderators:	Chairpersons:	Chairperson:
	<i>Anoop Singh</i> Chief Operating Officer	<i>Dr Chaminda Weerabaddana</i> Assistant Secretary. Health Informatics Society of Sri Lanka	<i>Dr Nihal De Silva</i> Dean, International Institute of Health Sciences, Sri Lanka
	<i>Sinclair Stockman</i> Chief Scientific Advisor Commonwealth Centre for Digital Health	<i>Dr Anil Smaranayake</i> Director Information Designate, Ministry of Health, Sri Lanka	
	Panellists:	Digital Health Transformation to Strengthen Primary Health Information System: Enterprise-wide Vision	Effective use of Health / Nursing informatics and Patients Care Practice and Training Sustainable Nursing Education; Books vs Tabs
	<i>Brian O'Connor</i> Chair European Connected Health Alliance	<i>Dr Jayasundera Bandara</i> Project Director World Bank Funded Primary Healthcare Systems Strengthening Project Ministry of Health, Sri Lanka	<i>Dr Kithsiri Edirisinghe</i> International Institute of Health Sciences, Sri Lanka
	<i>Dr Boonchani Kijisanayotin</i> Chairman Asia eHealth Information Network	Sustainable Information systems governance model to achieve continuum of care	VR for CPR
	<i>Olasupo Oyedpo</i> Director African Alliance of Digital Health Networks	<i>Dr Clive James</i> Medical Officer (Health Informatics) Health Information Unit, Ministry of Health, Sri Lanka	<i>Samali Udara Liyanage</i> Sri Lanka
	<i>Mojca Cargo</i> Senior Market Engagement Manager, mHealth programme, Mobile for Development GSMA	EHR as a mode of reducing Out of Pocket expenditure	New Trends in Clinical Simulation; Talking Mannequin
		<i>Dr Anuji Gamage</i> Consultant Community Physician Planning Unit, Ministry of Health, Sri Lanka	<i>Rebecca Schultz</i> Lecturer School of Nursing and Midwifery Edith Cowan University, Australia

		How Global Digital Health Index (GDHI) can empower, evaluate and motivate health systems strengthening	MedWeb <i>Dr. Zakiuddin Ahmed,</i> Saudi Arabia
		<i>Patricia N. Mechael</i> Principal and Policy Lead, Health Enable, South Africa	
<b>10.30</b>	<b>11.00</b>	<b>Tea</b>	
<b>11.00</b>	<b>12.30</b>	<b>Panel Discussion on Digital Health the Opportunities and Challenges from Around the Commonwealth</b>	<b>Symposium on Improving Quality of Data - A Case Study of Cancer</b>
		<b>Symposium on Nursing Informatics: Effective Use of Health/Nursing Informatics in Patient Care Services and training</b>	
		Chairperson:	Chairpersons:
		<i>Dr JP Tabone</i> Secretary General, Commonwealth Medical Association	<i>Dr Achala Jayatilleke</i> Secretary, Health Informatics Society of Sri Lanka  <i>Dr Roshan Hewapathirana</i> Chief Executive Officer, Health Informatics Society of Sri Lanka
			Chairperson:  <i>Dr Nihal De Silva</i> Dean, International Institute of Health Sciences, Sri Lanka
			Effective Use of Health/Nursing Informatics in Patient Care Practice and Training
			<i>Dr Steve Baguley</i> Consultant Sexual Health & HIV Physician NHS Grampian Clinical Director eHealth, NHS Grampian Principal Clinical eHealth lead for the North of Scotland
		Panelists <i>Dr Vishi Beharry</i> Trinidad & Tobago Medical Association <i>Dr Osahon Enabulele</i> Vice President, Commonwealth Medical Association <i>Dr Francis Faduyile</i> President, Nigerian Medical Association <i>Dr Zakiuddin Ahmed</i> Former National Coordinator for eHealth, Ministry of Health, Pakistan <i>Fabiha Zaidi</i> Project Management Coordinator Aga Khan Development Network Digital Health Resource Centre (Asia & Africa)	Capturing the Data at the Point of Care - the HIMS system  <i>Nishan Siriwardena</i> Team Leader, HIMS Project, Ministry of Health  Capturing the True Burden of the Cancer in the Country - the eIMMR System  <i>Dr Buddika Dayaratne</i> Team Leader, eIMMR System, Ministry of Health
			Evolution of Nursing Informatics  <i>Ms Nadeeka Jayasinghe</i> Director Nursing International Institute of Health Sciences, Sri Lanka
			Adapting to an Informatics Based Clinical Environment  <i>Ms Shaluni Tissera</i> Sri Lanka, Country Representative Nursing Informatics Special Interest Group International Medical Informatics Association
			Nursing Informatics in Patient Safety  <i>Dr Lalan Fernando</i> Lecturer, Faculty of Medicine Kotelawala Defense University, Sri Lanka
			CSL Database  <i>Dr H N Hasitha Pramod</i> Sri Lanka
			Interactive Session

		<i>Dr Ramendra Nath Tandan</i> Secretary General, Indian Medical Association	National Cancer Information Explorer	
		<i>Dr R. A. Jaylal</i> Vice President, Commonwealth Medical Association	<i>Dr Nimashi Katuwawela</i> Medical Officer (Health Informatics), Ministry of Health	
		<i>Dr Ruvaiz Hannifa</i> President, Sri Lanka Medical Association		
		<i>Dr Lakshmi Soomatunge</i> Deputy Director General, Ministry of Health, Sri Lanka		
		<i>Dato' Dr K Ramasamy</i> Managing Director, Salinee Healthcare		
		<i>Sunia Soakai</i> Director General, Pacific Community, New Caledonia		
12.30	13.00	Plenary: Privacy and Security in Digital Health		
		<i>Jayantha Fernando</i> Chairman SLCERT - The National Centre for Cyber Security, Sri Lanka Legal Advisor ICTA - The Information and Communication Technology Agency of Sri Lanka		
13.00	14.00	<b>Lunch &amp; Launch of NursingNow Sri Lanka</b>		
13.05		Welcome Address Prof. Vajira H. W. Dissanayake President, Commonwealth Medical Association		
13.10		Introduction Dr Sudath Samaraweera Deputy Director General (Education, Research and Training) Ministry of Health, Nutrition, and Indigenous Medicine, Sri Lanka		
13.15		Nursing Now Sri Lanka Local Chapter Ms Rajula Vallipurathan Director, Nursing Education Ministry of Health, Nutrition, and Indigenous Medicine, Sri Lanka		
13.20		Award of Appointment Letters to the Members of Steering Committee - Nursing Now Sri Lanka		
13.25		The Nursing Now Global Programme.		
13.30		Address by the Chief Guest Dr Anil Jasinghe Director General of Health Services Ministry of Health, Nutrition, and Indigenous Medicine		
13.40		Vote of Thanks Dr S.S.P. Warnakulasuriya Senior Lecturer, Faculty of Nursing, University of Colombo		
14.00	15.30	<b>Panel Discussion on the East African Digital Reach initiative</b>	<b>Panel Discussion on Digital Health in Non-Communicable Disorders</b>	<b>Panel Discussion on Tele Medicine and Telehealth</b>
		Chairpersons:	Chairpersons:	Chairpersons:
		Anoop Singh Chief Operating Officer	<i>Dr Oommen John</i> Member, International Advisory Board, CWCDH India	<i>Dr Rohana Marasinghe</i> President Elect, Health Informatics Society of Sri Lanka
		Sinclair Stockman Chief Scientific Advisor Commonwealth Centre for Digital Health	<i>Dr Sundaram Arulraj</i> Member, International Advisory Board, CWCDH India	<i>Dr Gumindu Kulathunga</i> Executive Vice President, Health Informatics Society of Sri Lanka

		Introduction to Digital Reach	PMB	RAH@H
		<i>Prof. Gibson Kibiki</i> Chairman, East African Health Research Commission	<i>Pramadhi Atapattu Arachchi</i> Sri Lanka	<i>Dr Zakiuddin Ahmed</i> Saudi Arabia
		Panellists:	eMHIMS	MyDoctor
		<i>Hermes Sotter Rulagirwa</i> Ministry of Health, Tanzania	<i>Nisal Fernando</i> Sri Lanka	<i>Dr Harsha Jayakody</i> Sri Lanka
		<i>Dr Henry Mwanyika</i> Ministry of Health, Tanzania	Epilepsy App	Em Microscope
		<i>Dr JP Bagala</i> Ministry of Health, Uganda	<i>Dr Victor Patterson</i> India	<i>Keith Dunning</i> United Kingdom
		<i>Dr Otilia Goweke</i> Ministry of Health, Tanzania	Jendo	Tonic
		<i>Lina Dyhr</i> CarePay, Kenya	<i>Keerthi Kodithuwakku</i> Sri Lanka	<i>Matthew Guilford</i> Bangladesh
			SMAART	CAMEOS
			<i>Ashish Joshi</i> USA	<i>Dr Ananda Perera</i> Sri Lanka
			C-JAE	ClicknCare
			<i>A.H. Weerasingha</i> Sri Lanka	<i>Abu Hasnat Mohammad Sultanur Reza</i> Malaysia
				EvoTelemed
				<i>Dr Zakiuddin Ahmed</i> Saudi Arabia
				Telemedicine
				<i>K Siddique-e Rabbani</i> Bangladesh
15.30	17.00	<b>Panel Discussion on the Role of the Private Sector in the Digital Health Ecosystem</b>	<b>Panel Discussion on Digital Health in Reproductive, Maternal, Neonatal, Child and Adolescent Health</b>	<b>Panel Discussion on Digital Health in Health Promotion and in the Pharmacy</b>
		Chairpersons:	Chairpersons:	Chairpersons:
		<i>Prof. Vajira H. W. Dissanayake</i>	<i>Dr Pamod Amarakoon</i> Executive Vice President, Health Informatics Society of Sri Lanka	<i>Dr Pramila Liyanage</i> Assistant Treasurer, Health Informatics Society of Sri Lanka
		<i>Dr Sathasivam Sridharan</i> Deputy Director General (Ministry of Health), Sri Lanka	<i>Dr Arjuna Wijekoon</i> Executive Vice President, Health Informatics Society of Sri Lanka	<i>Dr Jayathri Wijayarathne</i> Executive Vice President, Health Informatics Society of Sri Lanka
		Panellists:	mNutrition	Online PCD
		<i>Dr Chamila Ariyananda</i> COO, Digital Health Care Solutions, Hemas Group	<i>Mojca Cargo</i> United Kingdom	<i>M.A.D.A.L Mudannayake</i> Sri Lanka

		OpenSRP	Dhadkan 2
	<i>Nalin Perera</i> Executive Director, eChanelling	<i>Danya Arif</i> Pakistan	<i>Dr L. Gopichandran</i> India
	<i>Deeshana Basnayake</i> CEO, Healthnet International	Kasvuseula	e-SmartVA
	<i>Sameera Wijeyrathne</i> CEO, MyDoctor	<i>Kari Kohtamaki</i> Finland	<i>Dr Chamika Senanayake</i> Sri Lanka
	<i>Heshan Fernando</i> CEO, oDoc	CHITS	M-TIBA
	<i>Supun Weerasinghe</i> CEO, Dialog Axiata	<i>Alvin Marcelo</i> Philippines	<i>Lina Dyhr</i> Kenya
		INTPART	Evitalz
		<i>Dr Kirti Thakur</i> India	<i>Divya Krishnamoorthy</i> India
		Nighedaasht	CODQA Tool
		<i>Syeda Fabiha Zaidi</i> Pakistan	<i>Rangana Wadugedara</i> Sri Lanka
<b>16.45</b>	Launch of the 'HISL Digital Health Recognition Programme'	BSIS	Tupaia
	<i>Dr Achala Jayetilleke</i> Secretary, Health Informatics Society of Sri Lanka	<i>Rhonwyn Cornell</i> South Africa	<i>Dhanya Herath</i> New Zealand
	<i>Dr Pandula Siribaddana</i> Treasurer, Health Informatics Society of Sri Lanka	SlimMe	TMT
		<i>Annisa Ristya Rahmanti</i> Taiwan	<i>Boonchai Kijsanayotin</i> Thailand
		Stay Safe	SenzMate Polar   We care about your Pills
		<i>Dr Nayani Dharmakeerthi</i> Sri Lanka	<i>Miller Alexander</i> Sri Lanka
		ZM DIR	SMS for Life
		<i>Danya Arif</i> Pakistan	<i>Marcel Braun</i> Switzerland
		QHRMS	
		<i>Dr Lahiru Rajakaruna</i> Sri Lanka	
<b>17.00</b>	<b>17.30</b>	<b>Tea</b>	
<b>17.30</b>	<b>19.00</b>	<b>Commonwealth Digital Health Awards Ceremony</b>	
<b>19.00</b>	<b>20.00</b>	<b>Cocktail Reception</b>	

## **Commonwealth Digital Health Expo 2018**

- ⊕ **AGILE HEALTH (INDIA)**
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## **3<sup>rd</sup> Commonwealth Digital Health Conference & Awards**

The Commonwealth Digital Health awards is being conducted for the third time after its successful launch at the 24th Triennial Conference of the Commonwealth Medical Association in 2016, and for the second time during the 2<sup>nd</sup> Commonwealth Digital Health Conference in 2017. A panel of internationally recognized experts will adjudicate this year's awards.

The two best submissions for each thematic area will receive the 'Commonwealth Digital Health Awards' for that thematic area at the Commonwealth Digital Health Awards Night. Submissions consist of Health Information Systems, Digital Health Resources, EHRs/PHRs, Mobile Apps, Personal Digital Health Devices/ Wearables, Connected Digital Health Solutions, Games for Health, and any other type of digital interventions aimed at improving health and well-being. Applications were accepted from all countries.

In addition to being selected for the Commonwealth Digital Health Awards, submissions to the Digital Health Awards will also stand a chance to receive support from the Commonwealth Centre for Digital Health (CWCDH) in terms of further development, implementation, scaling-up, etc. The decision to support through the CWCDH will solely be under the discretion of the CWCDH and would not be determined only on the outcome of the adjudication process.

## 3<sup>rd</sup> Commonwealth Digital Health Awards Finalists

	Product	Country	Category	Submitter Name
1	eRHIMIS: Phase2	Sri Lanka	Adolescent health	Ashan Dimal
2	PHN and MPI	Sri Lanka	Adolescent health	Clive C. James
3	QHRMS	Sri Lanka	Communicable diseases	D.M.D.L.Rajakaruna
4	ZM DIR	Pakistan	Communicable diseases	Subhash Chandir
5	C-JAE	Sri Lanka	Disability health informatics	A.H. Weerasingha
6	e Incubator	Sri Lanka	e-learning	Kithsiri Edirisinghe
7	GDHI	United States	e-learning	Joanne Ke Edelman
8	MedWeb	Pakistan	e-learning	Umair Mehmood Mughal
9	VR for CPR	Sri Lanka	e-learning	Samali Udara Liyanage
10	Mobile X ray	Sri Lanka	Emergency informatics	Nishan Siriwardena
11	SMS for Life	Switzerland	Emergency informatics	Marcel Braun
12	CODQA Tool	Sri Lanka	Health education and health promotion	Rangana Wadugedara
13	Dhadkan 2	India	Health education and health promotion	L.Gopichandran
14	e-SmartVA	Sri Lanka	Health education and health promotion	Chamika Senanayake
15	Evitalz	India	Health education and health promotion	Divya Krishnamoorthy
16	M-TIBA	Kenya	Health education and health promotion	Kevin Omani
17	Online PCD	Sri Lanka	Health education and health promotion	M.A.D.A.L Mudannayake
18	BSIS	South Africa	Maternal and neonatal health	Rhonwyn Cornell
19	CHITS	Philippines	Maternal and neonatal health	Alvin marcelo
20	INTPART	India	Maternal and neonatal health	Kirti Thakur
21	Kasvuseula	Finland	Maternal and neonatal health	Kari Kohtamaki
22	mNutrition	United Kingdom	Maternal and neonatal health	Mojca Cargo
23	Nighedaasht	Pakistan	Maternal and neonatal health	Syeda Fabiha Zaidi
24	OpenSRP	Pakistan	Maternal and neonatal health	Danya Arif
25	Woman Care	Bangladesh	Maternal and neonatal health	Shariat Rahman
26	CSL Database	Sri Lanka	NCD	H N Hasitha Pramod
27	eMHMIS	Sri Lanka	NCD	K M Nisal C Fernando
28	Epilepsy app	India	NCD	Victor Patterson
29	Jendo	Sri Lanka	NCD	Keerthi Kodithuwakku
30	PMB	Sri Lanka	NCD	Pramadhi Atapattu Arachchi
31	SMAART	United States	NCD	Ashish Joshi
32	SlimMe	Indonesia	Nutrition	Annisa Ristya Rahmanti
33	E - Pharmacy	Sri Lanka	Pharmacy informatics	Deeshana Basnayake
34	SenzMate Polar	Sri Lanka	Pharmacy informatics	Miller Alexander
35	TMT	Thailand	Pharmacy informatics	Boonchai Kijsanayotin
36	Tupaia	Australia	Pharmacy informatics	Dhanya Herath
37	Stay Safe	Sri Lanka	Reproductive health	Nayani Dharmakeerthi
38	RAH@H	Saudi Arabia	Telecare	Zakiuddin Ahmed
39	CAMEOS	Sri Lanka	Telemedicine	Ananda Perera
40	ClicknCare	Malaysia	Telemedicine	A. H. M. Sultanur Reza
41	Em Microscope	United Kingdom	Telemedicine	Keith Dunning
42	EvoTelemed	Pakistan	Telemedicine	Umair Mehmood Mughal
43	Telemedicine	Bangladesh	Telemedicine	K Siddique-e Rabbani
44	Tonic	Bangladesh	Telemedicine	Matthew Guilford

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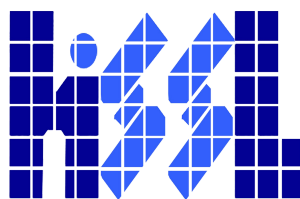
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