

4TH ANNUAL MEDTECH: APPLYING AI, MEDICAL INNOVATIONS, BLOCKCHAIN AND ADVANCED ANALYTICS FOR DIGITAL HOSPITALS

IMPROVING PATIENT CARE
AND MEDICAL OUTCOMES
THROUGH MEDTECH
INNOVATIONS

INTERCONTINENTAL
MELBOURNE THE RIALTO

PRE-SUMMIT: INNOVATION
SHOWCASE + SITE TOUR:
31 OCTOBER 2018

MAIN SUMMIT:
1 - 2 NOVEMBER 2018

5 UNBEATABLE REASONS WHY THIS IS AN UNIQUELY DIFFERENT MUST-ATTEND HEALTHCARE SUMMIT OF THE YEAR

1. FRESH, NOVEL, FIRST-TIME TOPICS DIRECTLY RELEVANT TO MEDICAL INNOVATIONS, CLINICIAN EFFECTIVENESS AND POSITIVE PATIENT OUTCOMES
2. AT ONE UNIFIED PLATFORM, MEET WITH SO MANY CEOs, MANAGING DIRECTORS, CIOS, DIRECTORS, CLINICIANS, INNOVATORS, TECHNOLOGY LEADERS, HOSPITAL RESEARCHERS, ALL KEY DECISION MAKERS IN THE WHOLE HEALTHCARE ECOSYSTEM
3. PRACTICAL REAL-SITUATION BEST PRACTICE EXPERIENCE TO BE SHARED, WITH MANY MEDICAL AI, WEARABLES AND ROBOTICS CASE STUDIES
4. MOVE UP THE MEDTECH LADDER WITH NEW MEDICAL AI, BLOCKCHAIN & IOT TECHNOLOGIES BEING SHOWCASED
5. HOW DIGITAL HEALTH MODELS WOULD HAVE TO CHANGE, WITH THE FULL APPLICATION OF SPECIAL MEDICAL INNOVATIONS, WITH GOOD PATIENCE OUTCOMES AS THE GOAL



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*Improving Patient Care and Medical Outcomes
Through MedTech Innovations*



31 October - 2 November 2018 | Intercontinental Melbourne The Rialto

PRE-SUMMIT

Morning | MedTech
Innovation Showcase

Afternoon | MedTech
**Innovation
Site Tour**

DISCOVER THESE KEY THEMES AT THE SUMMIT:

**Developing HIMSS Stage 6 Digital Hospital:
Case Studies from Princess Alexandra, Bendigo
Hospital and Royal Children's Hospital Melbourne**

Healthcare Interoperability with Blockchain

**Developing Next Generation Hospital
with AI and Machine Learning**

Transforming Healthcare Systems with Blockchain

Clinical Decision Support System with AI and Machine Learning

Advancing Healthcare with Big Data Analytics

Robotics and Assistive Technologies to Aid Manpower Shortages

Reducing Medication Errors with Electronic
Medication Management

Open Standards for Healthcare Data

Innovations in Telehealth and Virtual Care

VR in Medical Training, Education & Therapy

Disruptive Innovations in Healthcare

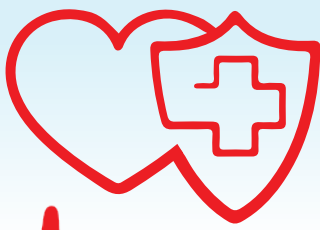
Deep Learning 2.0 in Cancer Diagnostics

Cyber Resilience for Healthcare
Systems

**3D printing in Prosthetics, Dental
Care and Others**

Legacy Systems
Integration Challenge





HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

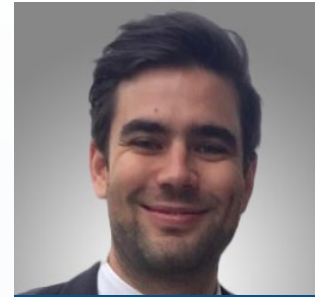
31 OCTOBER - 2 NOVEMBER 2018 | INTERCONTINENTAL MELBOURNE THE RIALTO



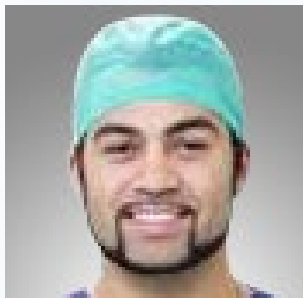
ANDREW SAUNDERS
Digital Advisor/
Former Health CIO
DHHS
(Conference Chairperson)



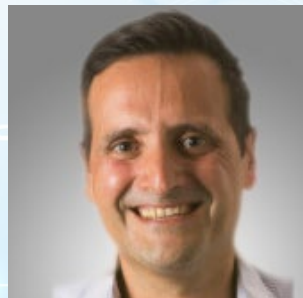
ERIC DUNN
Digital Health Manager
Sydney North Primary
Health Network



STEPHEN CANARIS
Director of Business
Intelligence and Analytics
Princess Alexandra
Hospital



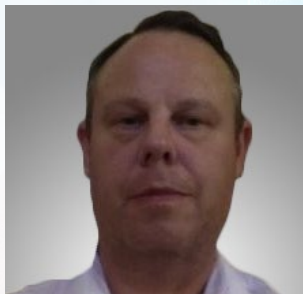
**Dr ALEXIUS TAYLOR
JULIAN**
Chief Medical
Information Officer
St John of God Health Care



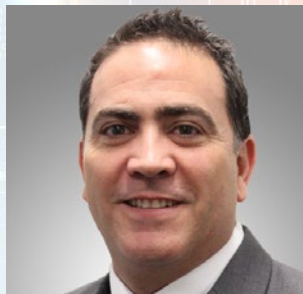
**DR VASILIOS
NIMORAKIOTAKIS
(BILL NIMO)**
Deputy Director Epworth
Emergency
Epworth Healthcare



**PROFESSOR
ERWIN LOH**
Chief Medical Officer
Monash Health



ANDREW OLDAKER
Chief Technology Officer
(CTO) IT&T Services
The Royal Melbourne
Hospital - City Campus

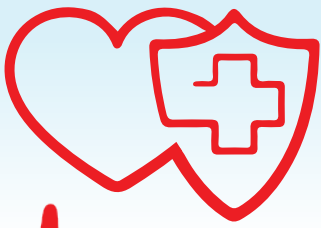


ANDRES REHBEIN
Chief Technology Officer
PresCare



DR TAL RAPKE
MD, CEO
ScalaMed





HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

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ANTHONY MAEDER
Chair in Digital Health
Systems & Co-Director
Flinders Digital Health
Research Centre



RAJ VERMA
Executive Director System
Transformation, Evaluation
and Patient Experience
Agency for Clinical Innovation



BRUCE PEDERSEN
Managing Director
The Checkley Group



DR TROY DELBRIDGE
Executive Director
Octantis Group
International



MARTIN BYRNE
Executive Director, Medical
Services & Rural Health
Darling Downs Hospital
and Health Service



DAVID EILLOT
Executive Director
Agile Digital



JANE COCKBURN
Director
Kairos Now

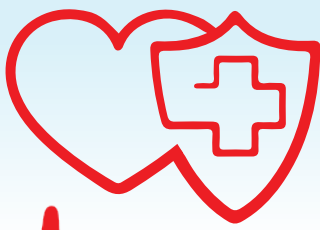


DAVID GILLATT
Director of Medical Services
& Professor of
Robotics Surgery
Macquarie University
Hospital



DR SANDEEP REDDY
Director
Rebus Services





HEAR FROM KEY EXPERTS FEATURED SPEAKERS LINE UP

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31 OCTOBER - 2 NOVEMBER 2018 | INTERCONTINENTAL MELBOURNE THE RIALTO



RAJESH VASA
Deputy, Director Deakin
Software and Technology
Innovation Lab
Deakin University



GRAHAME GRIEVE
Consultant
Health Intersection



DANIEL GRAY
Recreation Manager
Wintringham



CAROLYN JENSEN
Director
Cardio-Jenic



EARL BLESSING
CHCIO, PMP,
Healthcare IT Strategist



**SUDANTHI
WIJEWICKREMA**
PhD, Senior Research Fellow,
Department of Surgery
(Otolaryngology)
University of Melbourne



DR TAM C. NGUYEN
FRSPH FAIM PhD MBA
EO Research
St Vincent's Hospital



MATTHEW SQUIRES
Director
Precision Cancer Care

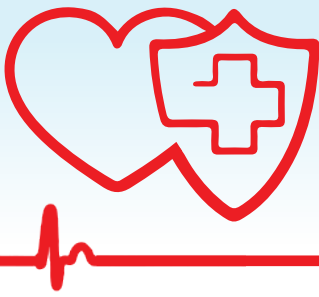


DR BRENT RICHARDS
Medical Director of Innovation
and Director of Critical Care
Research
Gold Coast Health



**PROFESSOR INGRID
WINSHIP**
Professor Clinical Genetics
Melbourne Health





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THE SUMMIT AT A GLANCE

REGISTER BY 15 AUGUST 2018 TO SAVE UP TO AU\$500!

PRE-SUMMIT DAY 1:

WEDNESDAY, 31 OCTOBER 2018

- MedTech Innovation Showcase featuring **cutting edge medical innovations and technologies** to improve patient care, diagnosis and next generation healthcare system
- MedTech Innovations Site Tour: Visit a **next generation digital hospital and top university** to discover how they are advancing healthcare with robotics, artificial intelligence, virtual reality and healthcare analytics

DAY 2: THURSDAY, 1 NOVEMBER 2018

- **HIMSS Stage 6** Digital Hospital of the Future Case Study
- Developing **NextGen Hospital** with AI and Machine Learning
- **How Blockchains transform** medical record-keeping to reducing medication and prescription errors
- Use of **robotics and assistive technologies** in residential aged care facilities and hospitals
- **Open standards for healthcare data** enabling new modes of healthcare delivery

DAY 2: FRIDAY, 2 NOVEMBER 2018

- **Telehealth and Virtual Care** in chronic disease, rural and aged care
- **Digital Inclusion:** Technologies that serve the needs of patients
- **Patient engagement** to receive higher quality healthcare
- **Digital health** to support personalised care
- Technology to enable **real-time patient reported outcome measurement**
- **Disruptive technologies** to enable the aged care sector
- **Reducing hospital re-admissions** through smart sensors and wearables

5 UNBEATABLE REASONS WHY THIS IS AN UNIQUELY DIFFERENT MUST-ATTEND HEALTHCARE SUMMIT OF THE YEAR:

1. Fresh, novel, first-time topics directly relevant to medical innovations, clinician effectiveness and positive patient outcomes
2. At one unified platform, meet with so many CEOs, Managing Directors, CIOs, Directors, Clinicians, Innovators, Technology Leaders, Hospital Researchers, all key decision makers in the whole healthcare ecosystem
3. Practical real-situation best practice experience to be shared, with many medical AI, wearables and robotics case studies
4. Move up the MedTech Ladder with new Medical AI , Blockchain & IoT Technologies being showcased
5. How digital health models would have to change, with the full application of special medical innovations, with good patient outcomes as the goal

PARTICIPATING COMPANIES INCLUDE:



Flinders Digital Health Research Centre

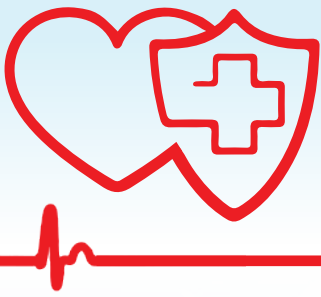


MonashHealth



Australian Government Department of Health





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Who You Will Meet:

Industries (including and not limited to):

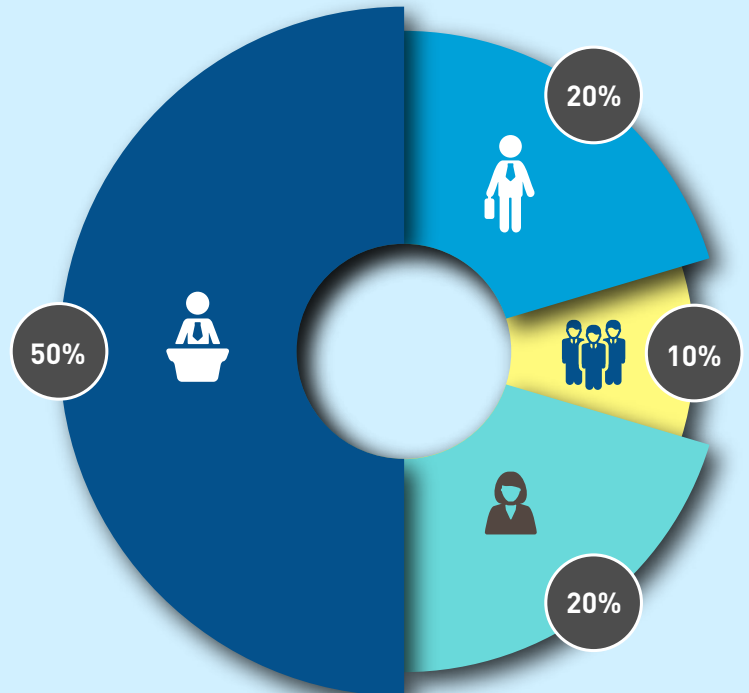
- Public Hospitals
- Private Hospitals
- Aged Care Facilities
- Health ICT Software and Technology Providers
- ICT Consultants
- Medical Centres
- Nursing Homes
- Community Hospitals
- Aged Care Centres
- Health Start-Ups
- Medical Specialties
- Medical Tech/Devices/Diagnostics/Equipment/ IoT/Blockchain/AI/Robotics
- Healthcare Consultants
- Medical Robotics
- Medical IoT

In the Roles of:

C-Level/VPs/Directors/Heads/MDs/GMs/Managers/ Specialists/Leads:

- eHealth
- Medical/Health Information
- Data Science
- Innovation
- Clinical Transformation
- Clinical Applications & Technology
- Nursing
- Healthcare IT
- Healthcare Investment
- Corporate Development
- Clinical Operations
- Strategy
- Project Management
- Technology Lead
- Clinical Integration
- Telehealth
- Medical Informatics
- Research
- Artificial Intelligence
- Robotics

Seniority Level of Delegates



Participants Seniority

Seniority Level: 75% of Participants will be Director Levels & Above

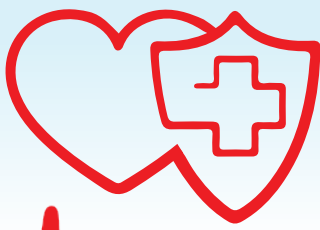
- Board / C-Level / President / Managing Director - 20%
- Vice President / Director / General Manager - 50%
- Head of Department - 10%
- Manager - 20%

1 NOVEMBER 2018

CHAMPAGNE NETWORKING SESSION

Enjoy a glass of champagne whilst networking with other like-minded individuals on topics that are of most interest to you and fellow delegates.





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PAST PARTICIPATING COMPANIES

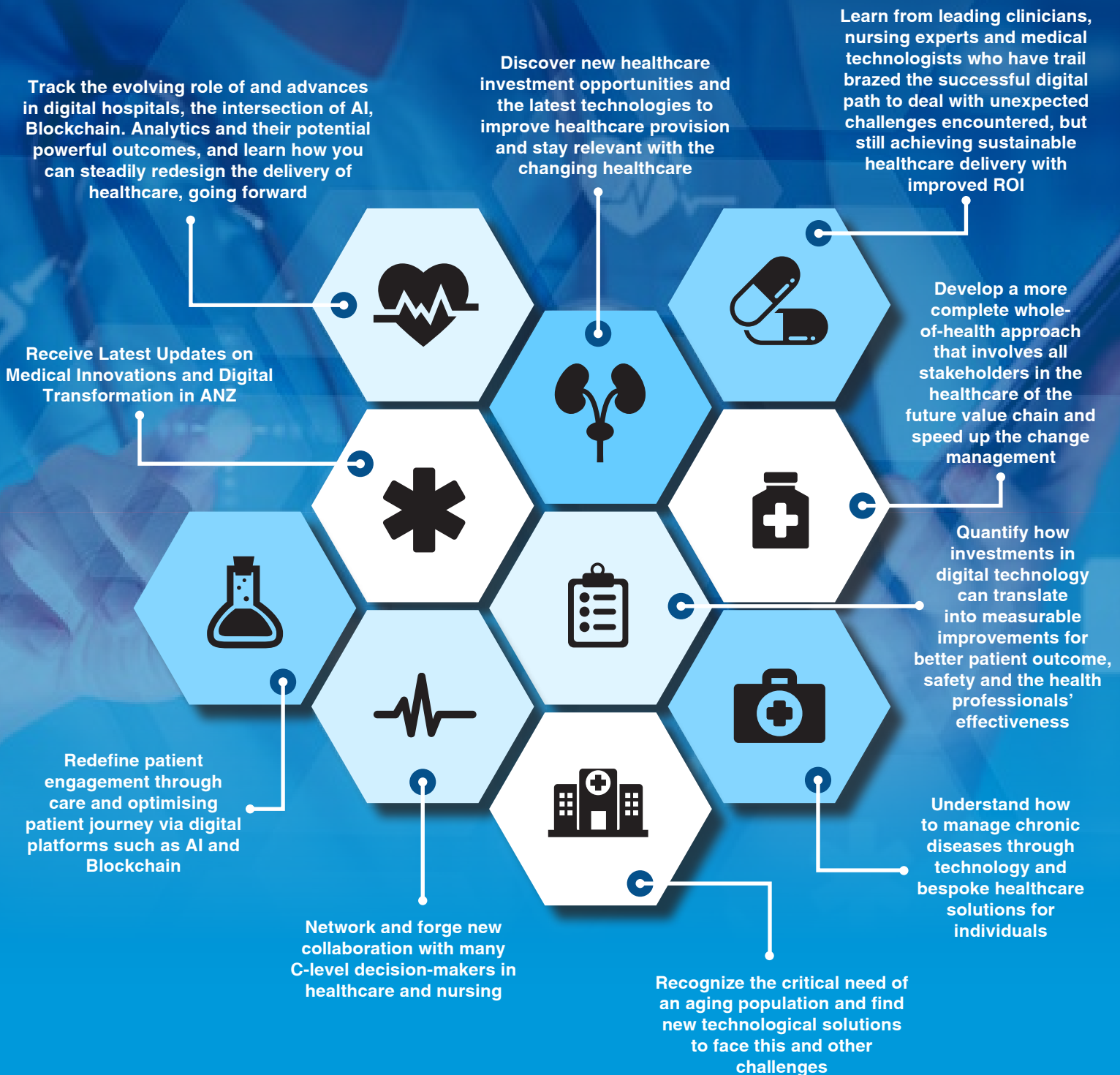
- ACC
- acQuire Technology Solutions
- ACT Government
- ACT Health
- ACT Health Strategy & Corporate
- Aeromedical Retrieval and Disaster Management Branch
- Albury Wodonga Health
- Alfred Health
- Allity Aged Care
- Allscripts
- Alpenglow Australia
- Anglicare
- Aspen Medical
- Auckland District Health Board
- Austin Health
- Australasian Telehealth Society
- Australian Health Design Council
- Australian Healthcare and Hospitals Association
- Australian Unity
- Ballarat Health Services
- BaptistCare
- Bellberry
- Bendigo Health
- Bendigo Kangan Institute
- Best in Care Australia
- BICG/eHealth NSW
- Bluleader
- Bolton Clarke
- BPM Vision
- Breast Cancer Network Australia
- Bupa
- Cabrini
- Calvary Healthcare
- CanadaBay Medical Imaging
- Cancer Australia
- Canterbury District Health Board
- Capsa Healthcare
- CareFusion Australia 316
- Castlereagh Imaging & Illawarra Radiology Group
- Caulfield Hospital, Alfred Health
- Central West Hospital and Health Service
- Chris O'Brien Lifehouse
- Cloud Client-Computing
- Cochlear
- Colin Street Day Hospital
- Colliers
- Commonwealth Bank
- CPL - Choice, Passion, Life
- Darwin Day Surgery
- Deakin University
- Dell Inc.
- Dental Health Services Victoria
- Department of Health
- Department of Health & Human Services
- Department of Health and Aging
- Department of Health- Applications
- Department of Queensland Health
- Device Technologies
- Digital Democracy
- Digital Vine
- Directorate of Health Capability, Joint Health Command, Australian Defence Force
- Draeger Medical Australia
- EHealth NSW
- EHealth, Information Services
- Epworth Healthcare
- Ernst & Young

- Estia Health
- Everlight Radiology
- Family Planning NSW
- Feros Care
- First Choice Care
- Forensicare
- Fred IT Group
- Fresenius Kabi Australia
- Fujitsu
- Genea
- Glycemic Index Foundation
- Gold Coast Hospital & Health Service
- Group Homes Australia
- Headspace National Youth Mental Health Foundation
- Healthe Care Australia
- Healthscope
- Hearst Health
- Hill-Rom
- HISA Board Director
- HPS
- Hyland, creator of OnBase
- icare
- Institute of Environmental Science and Research (ESR)
- Internode
- InterSystems Australia
- IPC Health
- IVF Australia
- Iw Aus
- JB Medical Supplies
- John Paul Village
- Johnson & Johnson Medical
- K Care Healthcare Equipment
- Karl Storz Endoscopy Australia
- LiveBetter Community Services
- Lutheran Services
- Mackay Base Hospital
- Mackay Hospital & Health Service
- Maquet
- Mater Health
- Medibank
- Medtronic Australasia
- Mercy Health
- Metro North Hospital and Health Service
- Metro North IT
- Metro South Hospital & Health Service - Logan Hospital
- MIMS
- Modtec Industries Australia
- Momentum Health Group
- Monash Health
- Monash University
- Murray PHN
- National Health Co-op
- Nelson Marlborough District Health Board
- Nepean Blue Mountains Local Health District
- NETS - NSW Newborn and Paediatric Emergency Transport Service
- NIA
- Nib Health Funds
- North Richmond Community Health
- Olivia Newton-John Cancer Research Institute
- Oneview Healthcare
- Orange Health Service
- Pathology Queensland
- Peninsula Health
- Perth Eye Hospital
- Peter MacCallum Cancer Centre

- Pinnacle Health Group
- Primaxis
- Pulse+IT
- Quay Consulting
- Queensland Health
- Queensland Health, Patient Safety and Quality Improvement Service
- RACP
- Royal Melbourne Hospital and The Women's Hospital
- Royal Rehab
- SAP
- Serco Asia Pacific
- Siemens Healthcare
- Siemens Healthineers
- SLHD Nursing and Midwifery Services
- Softsols Group
- Sonic Healthcare
- South East Sydney Local Health District
- South Western Sydney Local Health District
- Southern District Health Board
- Southern NSW Local Health District
- Speech Processing Solutions GmbH
- St Vincent's Health Australia
- St Vincent's Hospital
- STARTTS
- SteriHealth
- Strategic Policy & Legislation Branch, DoH Queensland
- Stryker
- Stryker South Pacific
- Susan MacLarn
- Sydney & South Western Sydney Local Health Districts
- Sydney South West Area Health Service
- Symbion
- Telstra
- The Alfred Emergency & Trauma Centre
- The Bays Hospital
- The CAPS Clinic
- The Department of Health and Human Services
- The George Institute for Global Health
- The Royal Children's Hospital
- The Royal Women's Hospital
- The Women's
- Tolmar Australia
- Unify Software and Solutions GmbH & Co. KG
- UnitingCare NSW.ACT - IT Service Centre
- University of New South Wales
- University of Otago
- VCCC
- Veterans and Veterans Families Counselling Service
- Virtus Health
- VMware
- Waikato District Health Board
- Waitemata District Health Board
- Western Australian Department of Health
- Western Health
- Western NSW Local Health District
- Western Sydney Local Health District
- Westmead Hospital, WSLHD
- Weststate Private
- WSLHD & NBMLHD
- ZEST Health Strategies

10 REASONS TO ATTEND

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IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

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MEDTECH INNOVATION SHOWCASE

31 OCTOBER 2018 | 9:00AM - 12:00PM

A unique highlight of this year's event is the MedTech Innovation Showcase, a dynamic showcase that will feature the most progressive and cutting edge medical innovations and intelligent technologies used by world class hospitals to improve patient care, diagnosis and interoperability. Technologies showcase include:

- Assistive Robotics in Hospitals and Healthcare
- Advancing Healthcare with Big Data Analytics
- Advances in Therapeutic VR
- The Importance of Innovation in Health Services
- UoM Temporal Bone Surgery Simulator
- 3D Printing



SUDANTHI WIJEWICKREMA PHD
Senior Research Fellow,
Department of Surgery (Otolaryngology)
University of Melbourne

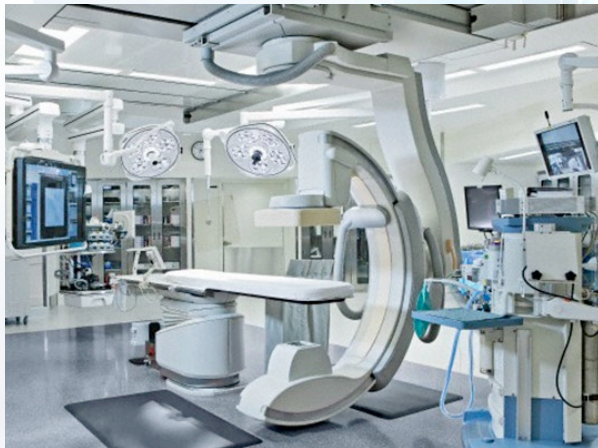


DR TAM C. NGUYEN FRSPH FAIM PHD MBA
EO Research
St Vincent's Hospital



MEDTECH INNOVATIONS SITE TOUR

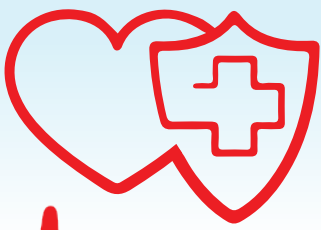
31 OCTOBER 2018 | 1:00PM - 5:00PM



In this site tour, you will visit CADET Virtual Reality Laboratory which is a cutting-edge facility with a strong team of Virtual Reality experts. The Laboratory is fast gaining a strong reputation in Virtual Reality and Augmented Reality Research & Development and is working with several research collaborators including the University of Malaya, Seoul National University, and industry partners including General Motors (GM) and SEW Eurodrive. In 2015, this is founded by Dr Ben Horan, awarded as one of Engineers Australia Most Innovative Engineers 2018 for his role in developing the technology.

You will experience how Virtual Reality (VR) and related technologies can be used to simulate various situations critical to training medical professionals in working with a patient in labor.

And try in action the Award-winning cARdiac ECG Augmented Reality App.



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SUMMIT HIGHLIGHTS



DEVELOPING HIMSS STAGE 6 DIGITAL HOSPITAL: CASE STUDIES FROM PRINCESS ALEXANDRA, BENDIGO HOSPITAL AND ROYAL CHILDREN'S HOSPITAL MELBOURNE



INTEROPERABILITY WITH BLOCKCHAIN



DEVELOPING NEXT GENERATION HOSPITAL WITH AI AND MACHINE LEARNING



TRANSFORMING HEALTHCARE SYSTEMS WITH BLOCKCHAIN



CLINICAL DECISION SUPPORT SYSTEM WITH AI AND MACHINE LEARNING



ADVANCING HEALTHCARE WITH BIG DATA



ROBOTICS AND ASSISTIVE TECHNOLOGIES TO AID MANPOWER



REDUCING MEDICATION ERRORS WITH ELECTRONIC MEDICATION MANAGEMENT



OPEN STANDARDS FOR HEALTHCARE DATA



INNOVATIONS IN TELEHEALTH AND VIRTUAL CARE



VR IN MEDICAL TRAINING, EDUCATION & THERAPY



DISRUPTIVE INNOVATIONS IN HEALTHCARE



DEEP LEARNING 2.0 IN CANCER DIAGNOSTICS



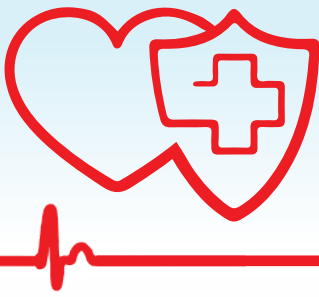
CYBER RESILIENCE FOR HEALTHCARE SYSTEMS



3D PRINTING IN PROSTHETICS, DENTAL CARE AND OTHERS



LEGACY SYSTEMS INTEGRATION CHALLENGE



Main Summit Agenda

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

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DAY TWO - 1 NOVEMBER 2018

DEVELOPING NEXT GENERATION DIGITAL HOSPITALS

09:00 **Conference Introduction by Chairperson
Highlights on Conference Day 1 Key Sessions**



ANDREW SAUNDERS
Digital Advisor/Former Health CIO
DHHS
(Conference Chairperson)

09:15 **HIMSS Stage 6 Digital Hospital of the Future Case Study: Princess Alexandra Hospital Connected Care Transformation Showcase**

- One of Only Three of the Nation's Healthcare Providers to Achieve the HIMSS Stage 6 Distinction
- Innovations and New Technologies Introduced: Clinical Decision Support System, Innovative Medical Technologies & More
- Stage 7 Innovations Game Plan



STEPHEN CANARIS
Director of Business Intelligence and Analytics
Princess Alexandra Hospital

09:45 **Designing and Building a HIMSS level 6 Digital Hospital**



ANDREW SAUNDERS
Digital Advisor/Former Health CIO
DHHS

10:15 *Morning Refreshment & Networking*

10:30 **How Integrating Cancer Research with Hospital Improve Overall Care Delivery**



MATTHEW SQUIRES
Director
Precision Cancer Care

11:00 **Integrated Cardiac Diagnostics - The Key to Clinician Productivity and Improved Patient Care**



CAROLYN JENSEN
Director
Cardio-Jenic

APPLYING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TO DIGITAL HOSPITALS

11:30 **Developing Next Generation Hospital with AI and Machine Learning: How AI Can Transform Clinical Decision Support System, Patient Experience and Reduce Administrative Burden**

- Clinical Decision Support System
- AI and Machine Learning in Ophthalmology care delivery
- How AI Could Relief Doctor's Shortage
- How Artificial Intelligence is Solving Clinician' Administrative Burden: Clinical Documentation Powered by AI is up to 45% Faster and Improves Quality Scores 36% Advancing Virtual Assistants and Virtual Scribes in Healthcare



DR SANDEEP REDDY
Director
Rebus Services

12:00 **Learning Lessons in Developing Next Generation Clinical Decision Support System with AI**



RAJESH VASA
Deputy, Director Deakin Software and Technology Innovation Lab
Deakin University

12:30 *Lunch & Networking*

13:30 **Streaming Analytics: The Next Step for Improving Patient Outcomes Through AI**



DR BRENT RICHARDS
Medical Director of Innovation and Director of Critical Care Research
Gold Coast Health

ADVANCING BLOCKCHAINS IN DIGITAL HOSPITAL SYSTEMS, PATIENT RECORDS AND MEDICATION PRESCRIPTIONS

14:00 **Understanding How Blockchain Can Transform Australia's Healthcare Systems**



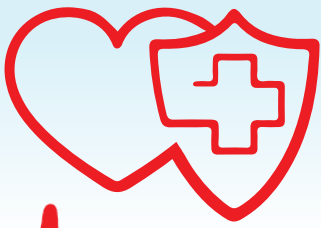
Dr ALEXIUS TAYLOR JULIAN
Chief Medical Information Officer
St John of God Health Care

14:30 **How Blockchains Will Transform Interoperability of Healthcare Medical Records to Reducing Medication and Prescription Errors**



TAL RAPKE
MD, CEO
ScalaMed

15:00 *Afternoon Refreshment & Networking*



Main Summit Agenda

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

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14:00 Blockchain Case Study: Australian Department of Health's Successful Trial Implementation of Blockchain

- Allow researchers to access medical information contained within platforms
- Evaluating the results of the credentialing technology pilot
- Critically assessing the potential for blockchain to record medical records and how this can impact the healthcare industry



DAVID ELLIOT
Executive Director
Agile Digital



FUTURE OF AUTONOMOUS ROBOTICS AND SURGERY IN HEALTHCARE AND HOSPITALS

16:00 Managing Manpower Shortages in Hospitals and Residential Aged Care Facilities with Robotics and Assistive Technologies

- Therapy Robots
- Assistive Robots
- Exoskeletons
- Smart Prostheses and Bionics
- Hospital Robotics
- Robotic Nurses
- Telepresence Robots
- Logistics Robots
- Pill Robots
- Pharmacy Robots
- Robotics in the surgical theatre
- Soft robotics for aftercare therapy
- New Use Cases and Latest Case studies



DAVID GILLATT
Director of Medical Services & Professor of Robotics Surgery
Macquarie University Hospital



16:30 Open Standards for Healthcare Data Enabling New Modes of Healthcare Delivery



GRAHAME GRIEVE
Consultant
Health Intersections

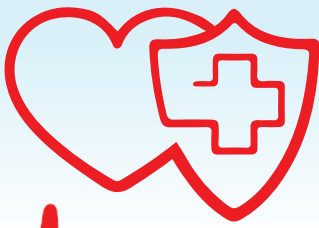


17:00 Closing Remarks by Conference Chairman

17:05 Champagne Networking



Enjoy a glass of champagne whilst networking with other like-minded individuals on topics that are of most interest to you and fellow delegates.



Main Summit Agenda

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

31 OCTOBER - 2 NOVEMBER 2018 | INTERCONTINENTAL MELBOURNE THE RIALTO

DAY THREE - 2 NOVEMBER 2018

MEDTECH INNOVATIONS: ADVANCES IN IOTS, ASSISTIVE TECHNOLOGY, INFORMATICS, BIG DATA ANALYTICS, WEARABLES, AUGMENTED AND VIRTUAL REALITY

09:00 **Highlights on Conference Day 2 Key Sessions by Chairperson**



ANDREW SAUNDERS
Digital Advisor/Former Health CIO
DHHS
(Conference Chairperson)

09:15 **Innovations in Telehealth and Virtual Care in Chronic Disease, Rural and Aged Care in Australia**



DR MARTIN BYRNE
Executive Director Rural
Darling Downs Hospital and Health Service

09:45 **The Use of VR in Medical Training, Education & Therapy**



DR VASILIOS NIMORAKIOTAKIS (BILL NIMO)
Deputy Director Epworth Emergency
Epworth Healthcare

10:15 *Morning Refreshment & Networking*

10:30 **Round Table Discussion**

1. Digital Revolution in Healthcare Ecosystem: The Importance of Patient Engagement to Receive Higher-Quality Healthcare

- Why is improving patient engagement important for patients, providers and purchasers?
- What are the best practices to turn common sense into common practice?
- What are the right questions to use to receive higher-quality healthcare in the digital era?



JANE COCKBURN
Director
Kairos Now

2. Role of digital health in supporting co-ordinated personalised care

We are in an exciting phase of growth in the use of digital health, with the My Health Record set to extend to all Australians, an increasing focus on interoperability between health care services and greater patient involvement in the direction of their own health care. Sydney North Primary Health Network provides ongoing support for GPs, Pharmacy, Aged Care, Allied Health, Specialists and other healthcare providers participating in the national digital health program. Tools such as the

My Health Record, shared care planning platforms and secure messaging have the potential to draw together patient information stored in disparate information systems to improve patient safety and provide more comprehensive, integrated care for our community.

Overview of the roll-out program in digital health in our region, including my health record

Outline the challenges in adopting new ways of delivering care and effective use of technologies and safer exchange of patient health information

Emerging technology enabling new digital channels for people to engage throughout their health journey

How do we bring this together in supporting coordinated personalised care?



ERIC DUNN
Digital Health Manager
Sydney North Primary Health Network

3. Digital Strategy - Consumer and Community Engagement for Clinical Trials Recruitment

- Why clinical trials recruitment is a problem?
- What is an effective consumer engagement framework?
- How digital strategy can facilitate effective engagement and drive clinical trials recruitment?



DR TAM C. NGUYEN FRSPH FAIM PhD MBA
EO Research
St Vincent's Hospital

11:00 **Disrupt Healthcare - Leveraging cost-effective disruptive technologies to enhance and enable the aged care sector**

See how PresCare is currently disrupting the aged care sector by working with their partners and other aged care providers to build and deploy Apps, exploring the possibilities with existing and new nurse call systems and Care systems, fall detection, wearables and non-wearables.

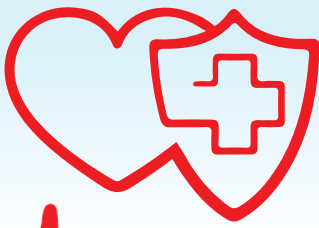


ANDRES REHBEIN
Chief Information Officer
PresCare

11:30 **Medical Device Cyber Security: Establishing Effective Cyber Defense Against Rising Cyber Attacks on Hospitals and Healthcare Providers**



ANDREW OLDAKER
Chief Technology Officer (CTO) IT&T Services
The Royal Melbourne Hospital - City Campus



Main Summit Agenda

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

31 OCTOBER - 2 NOVEMBER 2018 | INTERCONTINENTAL MELBOURNE THE RIALTO

12:00 **How to Fail in Digital Transformation Within the Healthcare Environment: Lessons Learnt from Implementation**



BRUCE PEDERSEN
Managing Director
The Checkley Group

12:30 *Lunch & Networking*

IMPROVING PATIENT CARE, EXPERIENCE AND ENGAGEMENT WITH DIGITAL INNOVATIONS

13:30 **Transforming Patient Care and Reducing Hospital Re-Admissions By Using Smart Sensors and Wearables to Enable Monitoring of Patients From Home**

Health smart homes support digital enabled living based on monitoring the activities and health status of their occupants, using a variety of sensors and wearables. They can offer solutions for assisting in achievement of many different health circumstances such as preventive health measures, chronic disease management, postoperative care, rehabilitation and ageing in place. There are many challenges in building health smart homes, beyond the provision of the basic infrastructure: these include system challenges such as software architecture, integration and safety; and data challenges such as data management, pattern recognition and subject personalization. This presentation will describe the care landscape within which health smart homes may be seen as providing new models of care and will discuss the challenges and some approaches to their resolution.



DR ANTHONY MAEDER
Chair in Digital Health Systems & Co-Director
Flinders Digital Health Research Centre

14:00 **Unstructured Data Analytics of Patient & Other Medical Record Types**

Detailed content management and the ability to undertake semantic searching of EMRs and other unstructured record types to find information and understand relationships between documents and data elements contained in all hospital systems is now possible using graph-data technology in conjunction with an organisation's Electronic Document and Records Management Systems (EDRMS).

Through the use of graph-data technology it is possible to analyse and search very large databases of unstructured data like medical/patient records, lab and pathology reports, admission and discharge reports, clinical notes, prescription/medication records, etc. Structured data in Relational Database Management Systems (RDBMS) can also be combined in these analyses and searches, thereby permitting the merging of structured and unstructured data that enables complex

search and analysis using semantic or 'natural language' approaches. The technology can be applied seamlessly over the top of most existing IT systems in a hospital avoiding disruption to critical production and operational systems. It can also integrate with existing BI and Analytics solutions, thereby providing uplift in this area, increasing the organisation's overall digital capabilities.

A model will be presented of graph-data technology and how it can be used in hospital settings to significantly increase a hospital's digital capability and efficiency.



DR TROY DELBRIDGE
Executive Director
Octantis Group

CYBER SECURITY MANAGEMENT FOR HOSPITALS AND HEALTHCARE

14:30 **Using technology to focus upon what matters to the patient. Real-time patient reported outcome measurement (PROM) to drive high value care**



RAJ VERMA
Executive Director System Transformation, Evaluation and Patient Experience
Agency for Clinical Innovation

15:00 *Afternoon Refreshment & Networking*

15:30 **How Internet of Medical Things Will Improve Health It Infrastructure, Improve Patient Treatment and Provide Personalized, Targeted Machine**



PROF. ERWIN LOH
Chief Medical Officer/ Executive Director
Monash Health

16:00 **Reducing Medication Errors with Electronic Medication Management (EMM)**

- Recognize the pros and cons of implementing electronic medication management system
- Closing the loop on medication errors
- Layout the steps to successful electronic medication management



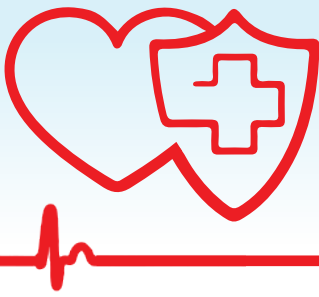
EARL BLESSING
CHCIO, PMP, Healthcare IT Strategist

16:30 **Medicine and the Rise of the Robots: A Qualitative Review of Recent Advances of Artificial Intelligence in Health**



PROF. ERWIN LOH
Chief Medical Officer/ Executive Director
Monash Health

17:00 **Closing Remarks by Conference Chairman**



Make the most of 4TH ANNUAL MEDTECH: APPLYING AI, MEDICAL INNOVATIONS, BLOCKCHAIN AND ADVANCED ANALYTICS FOR DIGITAL HOSPITALS

IMPROVING PATIENT CARE AND MEDICAL OUTCOMES THROUGH MEDTECH INNOVATIONS

31 OCTOBER - 2 NOVEMBER 2018 | INTERCONTINENTAL MELBOURNE THE RIALTO

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