Monday 3 August 2015

Driving reform: Digital health is everyone’s business

7.30am  Registration opens

8.45am : Introduction and welcome
Dr Michael Cleary Chair, HIC 2015 and Dr David Hansen Chair, HISA

8.55am : Welcome to country
Songwoman Maroochy Tumbal People

9.00am : Connecting the dots in healthcare social media
Thomas M. Lee Co-Founder, Symplur 5pm

9.15am : Opening address

9.30am : Topic TBC
Speaker TBC

10.00am : System reform is everyone’s business
Dr Helen Bevan Chief Transformation Officer, NHS Improving Quality 5pm

10.30am : HISA Announcements

10.45am Morning tea and poster viewing  HIC Innovation Expo Opens

11.25-12.55pm Leading the way: Health informatics research and academia

11.25am The focus of this session is to have a discussion on the future of health informatics academic research in Australia; what are we aiming to impact nationally and internationally and how do we best do that.
Chair: Neville Board (Australia)
Dr Michael Cleary (Australia)
Neville Board (UK)
Dr David Kaelber (USA)
Dr Bevan Koopman (Australia)
Dr David Hansen (USA)
Dr Michael Cleary (USA)
Dr Michael Cleary (USA)
Dr David Kaelber (USA)

11.55am Governance for implementation:
Dr Monica Trujillo
UnitingCare Health
Planning hospital wide implementation.

12.15pm How to use social media in health - safe and to your advantage
Kirra Pendergast
Safe on Social

12.35pm The business case for EMM
Neville Board
The Australian Commission on Safety and Quality in Health Care

Implementing electronic medication management systems: 101 for hospitals
Chair: Greg Moran (Australia)
Dr Monica Trujillo (Australia)
Vicki Ibrahim (Australia)
Dr Monica Trujillo (Australia)
Elizabeth Donoho (Australia)
MaryAnne Molenaar (Australia)
Paul Ryder (Australia)
Dr Bevan Koopman (Australia)
Dr Monica Trujillo (Australia)

12.55pm Lunch and innovation expo  BIDP

1.20pm  Lunchtime briefing - HISA new member orientation
Room: HIC Innovation Expo, Great Hall 1,3-4

1.30pm Posters session - Digital health/advancement in technology
Amari Alqahtani National Centre for Immunisation Research and Surveillance
Improving the quality and reliability of ununsampled measurements of vital signs in the home
Prof Branko Celler CSIRO
The impact of motivation and access to a radiology personal health record on health and wellbeing - A proposed research study
Dr Tony Gabbert Csiro
Data-driven diagnosis of benign and malignant samples of breast cytology
Dr Soumya Ghose The Australian E-Health Research Centre, CSIRO
The patient revolution is NOW
Anne Marie Hadley
The MetroHealth System of Cleveland (USA)
Data-driven diagnosis of benign and malignant samples of breast cytology
Dr Soumya Ghose The Australian E-Health Research Centre, CSIRO
The patient revolution is NOW
Anne Marie Hadley
The MetroHealth System of Cleveland (USA)

2.00pm Pilot use of a novel smartphone application to collect infectious disease data at home
Amani Alqahtani National Centre for Immunisation Research and Surveillance
Improving the quality and reliability of unsampled measurements of vital signs in the home
Prof Branko Celler CSIRO
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RadSearch: A search and analysis engine for free-text radiology reports
Dr Bevan Koopman CSIRO
Combining health and fitness data for a better user-centred healthcare. There is an app for that
Dr Peter Leijdekkers University of Technology Sydney
Spatial privacy for interactive health data
Dr Simon Moncrieff UnitingCare Health
Moving from monitor to manager - how government payers can make the shift
Dr Penny D’Hara Accenture
Incremental implementation of an oncology EHR in a regional cancer centre
Dr Graham Pitson Barwon Health
Integrated healthcare information access based on US public data store
A/Prof Michael Sandoow DataMap
Digital healthcare information sharing using US public data store - case example in the armed services
A/Prof Michael Sandoow DataMap
Tele-monitoring of chronically sick patients
Dr Ross Spinks CSIRO
Stem cell transplants - mobile technology can provide support in service delivery to cancer patients
Dr Marien Vantuffel CSIRO
Monday 3 August 2015

2.05-3.25pm Rethinking evidence synthesis
Room: Great Hall 2
Panel: A call for both industry and academia to participate in this process of evolving evidence.
Introduction: Prof Enrico Coiera, Centre for Health Informatics
Automatic evidence synthesis: Dr Guy Tsafnat, Centre for Health Informatics
Crowd-sourcing clinical evidence: Dr Julian Elliott, Monash University
2.25pm

2.45pm Connecting pharmacovigilance to research bi Bias: Dr Adam Dunn, Centre for Health Informatics
Point-of-care decision support using electronic records: Dr Bianca Gallego-Luxan, Centre for Health Informatics
Moderated discussion: Prof Enrico Coiera, Centre for Health Informatics

3.05pm Change management
Room: Mezzanine M1
Workshop: Change management
Dr Helen Bevan, NHS Improving Quality (UK)

3.25pm Afternoon tea, innovation expo and poster viewing
Room: HIC Innovation Expo, Great Hall 1,3-4

4.05-5.45pm Telehealth and mHealth
Room: Great Hall 2
Chair: Dr Helen Bevan, NHS Improving Quality (UK)
Results from the CSIRO national NBN telehealth trial: Prof Branko Celler, CSIRO

5.05pm A multimodality telehealth clinical system approach to the specialist multidisciplinary (MDT) meeting: Dr Sanjay Chinnaparambil, Royal Marsden Hospital (UK)

5.25pm Development and practice of store-and-forward telehealth systems in ophthalmology and emergency: Dr Si Xiao, The Australian E-Health Research Centre, CSIRO

5.45pm Day concludes

5.45-7.15pm Networking reception, innovation expo and poster viewing
Room: HIC Innovation Expo, Great Hall 1,3-4
Tuesday 4 August 2015

7.30am  Registration opens

7.40am-8.40am  HISA AGM and breakfast

9.00am  Topic TBC
Speaker TBC

9.15am  Dr Ewen McPhee Rural GP Obstetrician and an E-Health Champion, Australian College of Rural and Remote Medicine

9.30am  HISA Q&A Panel facilitated by Mark Brommeyer Adjunct Senior Lecturer, School of Medicine, Flinders University, Australia

Innovation, digital disruption and the future of health – a Q&A panel with the new generation of healthcare leaders
Dr Shannon Nott Founding Co-Chair, Future Health Leaders (TBC); Dr Arran Scholsberg Genetic Pathology Registrar, Royal Prince Alfred Hospital (TBC); Martin Seneviratne Medical Student, University of Sydney (TBC); Speakers TBC

10.30am  Morning tea, innovation expo and poster viewing

11.10–12.40pm

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<tr>
<th>Room: Great Hall 2</th>
<th>Room: Mezzanine M1</th>
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<tr>
<td>Primary care and chronic disease</td>
<td>E-safety and privacy</td>
<td>Aged care informatics</td>
<td>Electronic health records</td>
<td>Tertiary care - data management</td>
<td>Hacking health</td>
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<td>Chair: A/Prof Rob Williams</td>
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<td>Le Bon samaritan: A community-based care model supported by technology Dr Valerie Gay University of Technology Sydney Has e-health investment in Queensland made a difference to adoption? What’s our annual primary healthcare survey tells us Ann Maree Liddy CheckUP</td>
<td>Featuring HISA’s publications: Australian guidelines for the protection of health information Protecting health information is everyone’s business publication and E-safety avoiding e-latrogenisis: A professional practice standard for health informaticians Emma Hessack Extensia David Rowlands Direkt Consulting A/Prof Trish Williams HISA Dr John Zelcer Clinician</td>
<td>Topic TBC Jennifer Dunn St Vincent’s &amp; Mater Health (TBC) The relationship between using electronic health records and meeting accreditation standards for client safety in residential aged care homes Tso Jia Jiang University of Wollongong</td>
<td>PCEHR safety program Neville Board The Australian Commission on Safety and Quality in Health Care Finding knowledge in a data tsunami: Lessons learned from a big bang e-health implementation Samantha Nothing UnitingCare Health A regional EHR - integration through innovation Katharina Redford South West Alliance of Rural Health</td>
<td>Measuring data quality through a source data verification audit in a clinical research setting Lauren Houston University of Wollongong Perioperative information systems: Measurable improvements in patient care and financial results Vicki Hamilton and Juliane Osloff GE Healthcare</td>
<td>Hackathon teams will meet with their HH mentors throughout the day and prepare for their final demo presentation. HIC delegates will be able to observe the work in progress as the teams work on the exhibit floor.</td>
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<td>Automated detection of skin and subcutaneous tissue infections from primary care electronic medical records Prof Jim Warren University of Auckland (TBC)</td>
<td>The national aged care reform agenda and opportunities for ICT Lynda O’Grady (TBC)</td>
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<td>The Australian primary care collaborative program: Building on 10 years of national primary care data for improvement Chair: Dr Tony Lembke The Improvement Foundation</td>
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<td>Considering governance for patient access to e-medical records Dr Karen Day University of Auckland (NEW 2014-416)</td>
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<td>Power of one: One eMR for the state, one record for the patient Louise Hayes Queensland Health</td>
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<td>Barsriers and enablers Jennifer Dunn St Vincent’s &amp; Mater Health (TBC); Tso Jia Jiang University of Wollongong; Speaker TBC</td>
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Reform driven by participatory medicine
Tuesday 4 August 2015

12.40pm | Lunch and innovation expo | Room: HIC Innovation Expo, Great Hall 1,3-4

12.55pm | CHIA Q&A

1.15-1.45pm | Posters session - Aged care informatics, innovations/latest research and system and workforce management:

- Web-based automated PET and MR quantification
  - Dr Pierrick Bourgeat (CSRIO)

- Integration of ontology based multi-agent with RFID technology: A proposal for identification of adverse events during anaesthesia
  - Raash Career AUT University (NEW ZEALAND)

- Patient journey modelling: Translating policy into action for integrated care
  - Dr Joanne Currie Computer Sciences Corporation

- Streaming data management and analysis for discovery of biomarkers for mental illnesses
  - Dr Noel Faux CRC For Mental Healthcare

- Mobile telehealth technology assessment - Queensland case study
  - Prof Nilmini Wickramasinghe Epworth HealthCare

- Introduction of an RFID tag system for surgical instrument management into a university hospital
  - Prof Eiseke Haneda Saga University (AHPN)

- NGSANE: A lightweight production informatics and presentation framework for mutation detection in high-throughput sequencing data
  - Dr Sankalp Khanna CSIRO

1.50-3.20pm | Primary care and chronic disease | Room: Great Hall 2

1.50pm | Incidence rate of prediabetes: An analysis of New Zealand primary care data
  - Prof Jim Warren University of Auckland (NEW ZEALAND)

2.05pm | Chat bots for people with Parkinson’s disease: Science fiction or reality?
  - Dr David Ireland Murdoch University

2.20pm | An investigation into the role for a pervasive technology solution to support gestational diabetes self-care
  - Prof Nilmini Wickramasinghe Epworth HealthCare

2.35pm | Use of smartphones to estimate carbohydrates in foods for diabetes management
  - Dr Hang Ding CSIRO

2.50pm | A registry framework enabling patient-centred care
  - Prof Matthew Bellgard Murdoch University

3.05pm | Q&A

3.20pm | Afternoon tea, innovation expo and poster viewing

4.00pm | HISQA Q&A Panel facilitated by Tony Jones Host of Q&A, ABC TV

- Digital health is everyone’s business: How do we get there faster?
  - Dr Michael Cleary Chair, HIC 2015; Dr David Hansen Chair, HIS; Speakers TBC

5.30pm | Day concludes

6.30-10.30pm | Gala awards dinner

Driving reform: Digital health is everyone’s business

Aged Care Informatics Australia AGM

- Room: Mezzanine M2

Driving reform: Digital health is everyone’s business

- Room: HIC Innovation Expo, Great Hall 1,3-4

- DR AARAN SCHLOMBOG Royal Prince Alfred Hospital

- Early benefits of EPR implementations within emergency departments: Quantified returns on investment
  - Prof Steven Shaha Allocrypt (USA)

- Proven benefit of computerised order entry through reduced length of stay: Proof finally
  - Prof Steven Shaha Allocrypt (USA)

- Conquering sepsis incidence and costs through locally-adaptable EPR/EMR with advanced CDS
  - Prof Steven Shaha Allocrypt (USA)

- Forecasting capacity risk at hospitals
  - Dr Ross Sparks CSRIO

- Digital reform through implementing funding reform – the experience of one hospital in NSW
  - Gowri Srinama South Eastern Sydney Local Health District

- Social engineering in SS&O is a workforce winner
  - Murray Verbeek Improvista

- Office innovation helps employees “find 30 in 9 to 5” to counteract sedentary health risks
  - Darren Webb Edith Cowan University

- Dr Dana Bradford CSRIO

- Designing technology for assessments of GAD patients

- Glynda Summers Cairns and Hinterland Hospital and Health Service

- The HealthED portal for supporting behaviour change and diet programs
  - Dr Shlomo Berkovsky CSRIO

- Consumers are pushing for integrated information and technology for their healthcare
  - Dr Penny O’Hara Accenture

- Mapping your journey to paperless care
  - Renee Close OnBase by Hyland (USA)

- UK case studies translating patient and staff experience into health system improvement
  - Dr Anvesh Rahmatanee Energease

- The future of the electronic discharge summary - a story of application evolution?
  - Dr David Evans Queensland Health

- Spade or shovel?...Our approach to reducing the complexity and variation in the chemotherapy journey
  - Helen Delimitros Epworth Healthcare
Wednesday 5 August 2015
Driving reform: Digital health is everyone’s business

7.30am Registration opens

9.00am The transformative role of health informatics bringing together government, academia, clinicians and technologists
Dr Doug Fridsma President and Chief Executive Officer, American Medical Informatics Association (USA)

9.40am Brazil’s national e-health record – a story of use case driven development
Prof Ricardo Puttini Coordinator of National EHR Project, University of Brasilia and Ministry of Health (BRAZIL)

10.15am Morning tea, innovation expo and poster viewing

10.45am Hackathon teams will demonstrate their proposed solutions in a 2 minute presentation on the HIC Plenary stage. Innovation at its finest!
Juliana Alvarez and Shreya Tekriwal Hacking Health (CANADA)

11.45am Break

12.00pm - 1.30pm

Telehealth and mHealth
The health informatics job market
Indigenous, community and regional
Big data
Integrating care

12.00pm A study on the quality of life and psychological outcomes in elderly patients at home telemonitoring
Dr Marleen Varnfield Research Centre, CSIRO (AUS)

12.15pm Voice enabled and smart: The potential of wearables in healthcare
Dr Nick Van Der Heyden Nanofit (USA)

12.30pm Human activity recognition from smartphone sensor data using a multi-class ensemble learning in home monitoring
Dr Sourya Ghose The Australian E-Health Research Centre, CSIRO (AUS)

12.45pm Digital health: Paperless mobile clinical information system
Alan Yung HTR Telehealth

1.00pm A secure data architecture for telehealth trials
Dr Surya Nepal CSIRO

1.15pm Q&A

1.30pm Lunch and innovation expo

2.05pm - 2.35pm

Poster session - Integrated care, value of data and participatory medicine
Tailored and personalised mobile health interventions for patients with chronic disease: Implication of health communication and patient centred approach
Nazli Bashir CSIRO

Metahype for patients at the centre of their care coordination plan and record
Russell Bowden Precedence Health Care

Face-to-face to tele-education - a successful paradigm shift
Leisa Brown Queensland Health

Telehealth in Australia and internationally: Innovative, BAI or ‘old hat’
Bernard Crowe Bernard Crowe & Associates

Continuously improving cloud-based tools to drive decision making and enable remote access of medical experts for Cerebral Palsy
Dr Nicholas Dowson CSIRO

Telehealth – The need and requirements for a shared electronic health record
Dr David Evans Queensland Health

Interoperability - the emerging e-health priority
Dr David Evans Queensland Health

Towards an Australian wound registry - pilot project
Dr Dominique Gorse QFAB Biometrics

Code status reconciliation to identify and documentation of code status in electronic health records
Dr David Kaelber The MetroHealth System of Cleveland (USA)

Managing regular surge events at a hospital service
Dr Sarkel Khanna The Australian E-Health Research Centre, CSIRO

Challenges in achieving cross-domain exploration of clinical study data
Dr Hugo Leroux The Australian E-Health Research Centre, CSIRO

Food is medicine: Utilising technology to enable collaborative decision-making of meal prescriptions for improving patient outcomes
Kirsty Maunder University of Wollongong

The importance of effectively normalising patient-reported medication intake
Dr Alejandro Mathe The Australian E-Health Research Centre, CSIRO

EFM/EHR impacts on bedside caregivers: Verifying feasible clinical, cost, satisfaction outcomes
Prof Steven Shaha Allopath (USA)

Community system integration: Outcomes-maximising approach with illustrative case study
Prof Steven Shaha Allopath (USA)

Integrated care case study: Streamlining healthcare systems with electronic health standards compliant clinical information systems
Alan Yung HTR Telehealth

2.45pm - 4.00pm

Poster session - Innovations in technology, data governance and e-health intermediaries

5.00pm - 6.00pm

Poster session - Interoperability, technology and policy

6.00pm - 7.00pm

Poster session - Transforming research and practice in health informatics

7.00pm - 8.00pm

Poster session - Transforming health and care delivery

8.00pm - 9.00pm

Poster session - Other areas of health informatics
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<tr>
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<td>2.40pm</td>
<td>Topic TBC</td>
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<td>3.20pm</td>
<td>#hic15 wrap up</td>
<td>Thomas M. Lee Co-Founder, Symplur (USA)</td>
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<td>3.25pm</td>
<td>Branko Cesnik awards</td>
<td>A/Prof Andrew Georgiou and A/Prof Heather Grain Co-chairs, HIC 2015 Academic/Scientific Program</td>
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<td>3.30pm</td>
<td>Thank you and summary</td>
<td>Dr Michael Cleary Chair, HIC 2015</td>
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<td>3.45pm</td>
<td>Introduction to HIC 2016 and farewell</td>
<td>Dr Louise Schaper CEO, HISA and Dr David Hansen Chair, HISA</td>
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<td>4.00pm</td>
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