The role of the nurse in digital health innovation for consumers, clinicians, connectivity and community

8.00am Registration opens
9.00am Opening address
Lis Herbert Chair, Nursing Informatics Australia
9.15am Australian nurses’ experience with nursing informatics
Kylie Ward @acn_tweet Chief Executive Officer, Australian College of Nursing
9.45am E-credentialing nurses and midwives: Using informatics to improve patient safety and clinical governance
Karen Blake Western Health
10.05am Using data linkage to map and assess the outcome of calls to telephone triage and advice services
Mary Byrne @healthdirectAU Healthdirect Australia
10.25am Connecting nurses: Using informatics governance to transform learning at point of care
Carey Mather @CareyMather University of Tasmania
10.45am Morning tea and exhibition
11.15am Using preparatory working groups as a lever to engage nurses and midwives in the transition to an electronic medical record
Naomi Dobroff @MonashHealth Monash Health
11.35am Two worlds colliding: Introducing a new digital solution for community nurses in a regional centre in Queensland
Cheryl White @qldhealthnews eHealth Queensland
11.55am An industry-academic collaboration to support nursing services with implementation of an electronic medical record
A/Prof Bernice Redley @Deakin Deakin University and Naomi Dobroff @MonashHealth Monash Health
12.15pm Wound images to support clinical assessment across distance
Beth Sperring @WAHealth Royal Perth Hospital
12.35pm Topic TBC
Alison Patrick @MercyHealthAus Executive Director of Nursing and Midwifery, Mercy Public Hospitals
1.00pm Lunch and exhibition
2.00pm Workshop...
3.00pm Afternoon tea and exhibition
3.30pm Q&A Panel...
4.40pm Moya Conrick Award Announcement
Jo Foster @jofoster50 Secretary, Nursing Informatics Australia
4.50pm Thank you and closing remarks
Lis Herbert Chair, Nursing Informatics Australia
5.00pm Conference concludes
5.00pm Nursing Informatics Australia AGM
5.00-6.00pm Networking reception
### Program

**BRINGING TOGETHER HEALTH’S MOST FORWARD THINKING INNOVATORS**

**Monday 25 July 2016**

#### 7.30am
**Registration opens**

#### 9.00am
- **Official opening**
  - Dr Pradeep Philip @VPPhilip Chair, HIC 2016 and CEO, LaunchVIC

#### 9.05am
- **Welcome to country**

#### 9.10am
- **Ministerial address**

#### 9.30am
**Health’s opportunity to take advantage of the innovation agenda**
- Dr Pradeep Philip @VPPhilip Chair, HIC 2016 and CEO, LaunchVIC

#### 10.00am
**Leading a global clinician and consumer engagement change in an evolving digital world**
- Ron Gutman @RonGutman CEO, HealthTap (USA)

#### 10.30am
**Morning tea and poster viewing**

<table>
<thead>
<tr>
<th>11.10am - 12.40pm</th>
<th>Clinical Managing medications</th>
<th>Industry and Clinical Clinical decision support</th>
<th>Workshop Primary Health Networks – Leading complex change in primary care: 10 lessons learned</th>
<th>Forum Digital Hospital Design</th>
<th>Workshop Digitisation of health and welfare - Charting a path for health and welfare informatics</th>
<th>Hacking Health Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.10am</td>
<td>Patient perspectives of an integrated electronic medication prescribing and dispensing system</td>
<td>Grace Lau @MonashHealth Marsh HEALTH</td>
<td>Chair: Jason Trethowan Session Room 2</td>
<td>Chair: Dr Brendan Lovelock Session Room 3</td>
<td>The Digital Hospital Design Conference brings together leaders in digitally evolving services environments outside of healthcare to look at how they have driven success, and to reflect that back into the hospital environment.</td>
<td>Hacking Health Zone</td>
</tr>
<tr>
<td>11.10am</td>
<td>Transforming high-risk medicines prescribing into the electronic age and improving clinical behaviours – an example with insulin</td>
<td>Doris Lee Prince of Wales Hospital and Louis Cheung @SEastSydHealth South East Sydney Local Health District</td>
<td>Coding free-text GP “reason for visit” into SNOMED CT codes</td>
<td>Prof Jon Patrick @HLA_RTS Health Language Analytics</td>
<td>This session is designed for PHNs and those interested in the interaction of primary, community and acute care. The 3 PHNs will lead a workshop covering topics on eReferral, integrating care, MyHealthRecord trials and how to build a digital health platform for commissioning of services and demonstrating outcomes.</td>
<td>Hacking Health Zone</td>
</tr>
<tr>
<td>11.50am</td>
<td>Risks to patient safety in the Residential Aged Care Facility Setting: Preliminary findings of the General Practice and Residential Aged Care Concordance of Medications (GRACE-Med) study</td>
<td>A/Prof Meredith Makeham @MeredithMakeham and Helen Pardy Australian Institute of Health Innovation, Macquarie University</td>
<td>Deep learning for patient flow prediction</td>
<td>Prof Malcolm Pradhan @malcolmprüd Alcidion Corporation</td>
<td>Key learnings will be discussed for delegates to apply in their workplaces and organisations.</td>
<td>Hacking Health Zone</td>
</tr>
<tr>
<td>12.10pm</td>
<td>Human factors contribute to standardisation of on-screen display of clinical medicines information</td>
<td>Diana Ship GACSQHC Australian Commission on Safety and Quality in Health Care</td>
<td>Measuring patients outcomes using cohort analysis</td>
<td>Ian Tebbutt @cohortiq cohortIQ</td>
<td>Jason Trethowan @CEOWestVicPHN Western Victoria Primary Health Network</td>
<td>Hacking Health Zone</td>
</tr>
</tbody>
</table>

#### 12.30pm
- **Q&A**
Monday 25 July 2016

12.40-1.50pm Lunch and Innovation Expo

1.20-1.50pm Lunchtime briefing - Meet your HISA state branch leaders

1.20-1.50pm Posters session - Industry case studies

Using technology, architecture, and attitudes to engage hospitalised patients and families
Dr Seth Bokser UCSF Benioff Children's Hospital (USA)

Aged care: A connected system for the future
Russell Bowden Precedence Health Care

Design thinking in health services - an innovative approach to design, test and optimise health services leveraging digital technologies
Robyn Cook The Bright Alliance - University of New South Wales and Pablo Borrass Accenture

Going beyond the resume - a holistic approach to assisting a high needs workforce
Dr Gavin Diddbury ACT Health - Renal Unit

The alternative road to a paperless hospital Bendigo Health
Kim Gilbert O'Dowd Stainte Healthcare

Clinicians diving software
Lynda Miller Queensland Health

5.00pm

Afternoon tea, Innovation Expo and poster viewing

Chair: Dr Mark Santamaria

From agony to activism: My road to health empowerment
Syl Freedman @endoactive Co-founder, EndoActive Australia & NZ

My journey: Stories from an engaged patient and carer
Tim Blake @timblake1978 Engaged Patient and Carer

A doctor’s perspective – Dr Google and the importance of clinician and consumer partnerships
Dr Kurzai Kashuta @drkophenix Infectious Diseases Physician and Refugee Health Fellow, Royal Melbourne Hospital

Day concludes

Networking reception, Innovation Expo and poster viewing
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Room 2</th>
<th>Session Room 3</th>
<th>Session Room 4</th>
<th>Main</th>
<th>Hacking Health Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00am</td>
<td>Welcome to Day 2</td>
<td>Citizen engagement across health and human services. This is your call to action – listen up!</td>
<td></td>
<td>Main</td>
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<tr>
<td>8.30am</td>
<td>Ministerial address</td>
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<td>Main</td>
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<tr>
<td>9.00am</td>
<td></td>
<td>Digital literacy for 23 million: A breakthrough in systems design to ensure no one is left behind?</td>
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<td>Main</td>
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<tr>
<td>9.30am</td>
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<tr>
<td>10.00am</td>
<td></td>
<td>Digital health capacity building and engagement with the 100,000 strong nursing workforce</td>
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<td>Main</td>
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<td>11.00am</td>
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<tr>
<td>11.10am</td>
<td>Topic TBC</td>
<td>A user-centred approach to designing an eTool for gout management</td>
<td>An Australia-China case study: System integration support for electronic medical record (EMR) systems</td>
<td>Main</td>
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<td></td>
<td>Speaker TBC</td>
<td>University of New South Wales</td>
<td>Bernard Crowe and Associates</td>
<td>Main</td>
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<tr>
<td>11.30am</td>
<td>HealthMap: Connecting patients with HIV and their doctors</td>
<td>Two studies on Twitter networks and tweet content in relation to Amyotrophic Lateral Sclerosis (ALS)</td>
<td>EMR implementation: A nurses perspective</td>
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<td>Stuart Turk</td>
<td>Main</td>
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<td>Slainte Healthcare</td>
<td>Main</td>
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<tr>
<td>11.50am</td>
<td>Using responsive web design to enhance the user experience of chronic disease management portals</td>
<td>Healthdirect's after hours GP helpline - a survey of patient satisfaction with the service and</td>
<td>The EMR as a platform for clinical transformation</td>
<td>Main</td>
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<td></td>
<td>for clinical users</td>
<td>compliance with advice and feedback</td>
<td>Dr Vird Patel University of Warwick and George Eliot Hospital NHS Trust (UK) and Delia Dent @DeliaDentRoques CSC</td>
<td>Main</td>
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<td>Healthdirect's after hours GP helpline - a survey of patient satisfaction with the service and</td>
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<td>compliance with advice and feedback</td>
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<td>12.10pm</td>
<td>Topic TBC</td>
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<td></td>
<td>Speaker TBC</td>
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<td>Main</td>
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<tr>
<td>12.30pm</td>
<td>Access and use: Improving digital multimedia consumer health information</td>
<td>The application of activity theory to assess the implementation of a chemotherapy ordering system</td>
<td>The journey of migration, one hospital's story</td>
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<td></td>
<td>Prof Nilmini Wickramasinghe</td>
<td>Dr Shafiq Rab @ShafiqRD Hackensack University Medical Centres (USA)</td>
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</tbody>
</table>

**Digital health literacy for consumers and clinicians**

**Session Room 4**

Welcome to Day 2

Citizen engagement across health and human services. This is your call to action – listen up!

Digital literacy for 23 million: A breakthrough in systems design to ensure no one is left behind?

Ministerial address

Q&A

Registration opens

**Morning tea, Innovation Expo and poster viewing**

**11.10-12.40pm**

**Industry and Clinical Patient centred care**

Academic/Scientific Consumer empowerment

Industry and Clinical Clinical system design

Industry System implementation

Workshop Building workforce capability

**Plenary, Doors 8&10**

Session Room 1

Session Room 2

Session Room 3

Chair: Dr Pradeep Philip Plenary, Doors 08/10

**Hacking Health**

Hackathon teams develop their prototypes through the day.

The idea is to build the simplest solution that could possibly work as a springboard for feedback and further iteration – not a shippable, commercial product.

The prototype may be used to help secure funding and support to finish development.

**HIC Innovation Expo, Bags 12-14**

**Hacking Health Zone**

Hackathon teams will meet with their HH mentors throughout the day and prepare for their final demo presentation.

**Hackathon**

HIC delegates will be able to observe the work in progress as the teams work on the exhibit floor.
### Program Tuesday 26 July 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>12.40-1.50pm</td>
<td>Lunch and Innovation Expo</td>
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<tr>
<td>12.50-1.50pm</td>
<td>HISA AGM</td>
</tr>
<tr>
<td>1.20-1.50pm</td>
<td>Posters session - Clinical case studies</td>
</tr>
<tr>
<td>1.50-2.30pm</td>
<td>Academic/Scientific Experiences with data</td>
</tr>
<tr>
<td>2.00pm</td>
<td>Featuring: Benno Lortz, John Constable, and Vitor Delgado</td>
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<tr>
<td>2.30pm</td>
<td>Integrating the radiology information system with computerised provider order entry</td>
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<tr>
<td>2.45pm</td>
<td>An ensemble approach for recent matching in data linkage</td>
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<tr>
<td>3.10pm</td>
<td>Finding and exploring health information with a slider-based user interface</td>
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<tr>
<td>3.30pm</td>
<td>Q&amp;A</td>
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<tr>
<td>3.45pm</td>
<td>Afternoon tea, Innovation Expo and poster viewing</td>
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<tr>
<td>4.00pm</td>
<td>Celebrating the health informatics workforce</td>
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<tr>
<td>4.45pm</td>
<td>HISA Q&amp;A Panel facilitated by Tony Jones (TonyJones_qanda) Host of Q&amp;A, ABC TV</td>
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<tr>
<td>5.30pm</td>
<td>Day concludes</td>
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<tr>
<td>7.00-11.00pm</td>
<td>Gala Awards Dinner sponsored by Telstra Health</td>
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</tbody>
</table>
### BRINGING TOGETHER HEALTH’S MOST FORWARD THINKING INNOVATORS

**Wednesday 27 July 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Room</th>
<th>Presenter(s)</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7.00-8.15am</td>
<td>HISA Partner Breakfast - The digital hospital journey: Comprehensive strategies for driving transformational change (invite only)</td>
<td>Session Room 4</td>
<td>Chair: Dr Pradeep Philip Plenary, Doors 0610</td>
<td>Hacking Health Zone</td>
</tr>
<tr>
<td>7.30am</td>
<td>Registration opens</td>
<td></td>
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<tr>
<td>9.00am</td>
<td>Welcome to Day 3</td>
<td></td>
<td>Dr Pradeep Philip @VPPhilip Chair, HIC 2016 and CEO, LaunchVIC</td>
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<tr>
<td>9.10am</td>
<td>Innovation’s urgency: A cybersecurity perspective</td>
<td></td>
<td>A/Prof Trish Williams @ECU School of Computer and Security Science, Edith Cowan University</td>
<td>Hacking Health Zone</td>
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<tr>
<td>9.20am</td>
<td>Cybersecurity - President Obama named it one of the most important challenges we face as a nation</td>
<td></td>
<td>Theresa Meadows USA Department of Health and Human Services Health Care Industry Cybersecurity Task Force (USA)</td>
<td>Hacking Health Zone</td>
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<tr>
<td>9.45am</td>
<td>Australia’s National Digital Health Strategy</td>
<td></td>
<td>Jim Birch AM Chair, Australian Digital Health Agency</td>
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<tr>
<td>10.15am</td>
<td>Innovation’s urgency: Q&amp;A with speakers</td>
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<tr>
<td>10.30am</td>
<td>Morning tea, Innovation Expo and poster viewing</td>
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<tr>
<td>11.10-12.40pm</td>
<td>Academic/Scientific Wearables and mobility</td>
<td>Session Room 1</td>
<td>Primary, Doors 0610</td>
<td>HIC Innovation Expo, Bays 12-14</td>
</tr>
<tr>
<td>11.10am</td>
<td>Classification of movement of people with Parkinson’s disease using wearable inertial movement units and machine learning</td>
<td></td>
<td>Dr David Ireland @ehealthresearch The Australian E-Health Research Centre, CSIRO</td>
<td></td>
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<tr>
<td>11.30am</td>
<td>Mobile technology enabled speech disorder screening and decision support</td>
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<td>Dr Andreas Duenser @CSIROnews CSIRO</td>
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<tr>
<td>11.50am</td>
<td>Promoting UV exposure awareness with persuasive, wearable technologies</td>
<td></td>
<td>Dr Sazzad Hussain @CSIROnews CSIRO</td>
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<tr>
<td>12.10pm</td>
<td>Hello Hariie: Enabling speech monitoring through Chat-Bot conversations</td>
<td></td>
<td>Dr David Ireland @ehealthresearch The Australian E-Health Research Centre, CSIRO</td>
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<tr>
<td>12.30pm</td>
<td>Q&amp;A</td>
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</table>
BRINGING TOGETHER HEALTH’S MOST FORWARD THINKING INNOVATORS

wednesday 27 july 2016

12.40-1.50pm  Lunch and Innovation Expo

1.20-1.50pm  Posters session - Academic/Scientific papers

- Measuring head movement during a reading task with a webcam and free user-friendly software
  Dr Angelo Basteris Griffith University
  Use of multivariate function to identify chronic diabetic patients of Type 1 from health database in Australia
  Saad Butt University Technology Sydney
  Consumer first: Redesigning the dual diagnosis journey
  Dr Joanne Curry Western Sydney University
  In search of e-health intervention for problematic internet use - a systematic review
  Dr Mary Lam The University of Sydney
  A prototype of adverse drug reactions surveillance system using Chinese electronic medical records
  Dr Hasmin Li Zhejiang University (China)
  Design and evaluation of a task-driven app for hypertension management
  Prof Xudong Lu Zhejiang University (China)
  Semantic policy for privacy protection on electronic health records (EHRs) for collaborative research
  Yang Lu University of Melbourne

1.50pm  Hacking Health top 5

- Luc Siros @lsiros007 and Dr Phillip Olla @phillip_olla Hacking Health (Canada)

2.50pm  Branko Cesnik awards and thank you to Fellows of the Australasian College of Health Informatics

A/Prof Andrew Georgiou @AGeorgiouMQ and Dr Sue Whetton Co-chairs, HIC 2016 Academic/Scientific Program

3.00pm  HISA Q&A Panel facilitated by Dr Vishaal Kishore @VishaalKishore Chief Strategy Officer, LaunchVIC

- Innovation’s urgency. How long will we continue to put up with a disconnected, siloed, unsustainable system?
  The Hon. Wyatt Roy MP @Wyatt_MP Assistant Minister for Innovation (TBC); Dr Martin Seneviratne @martin_sen Resident Medical Officer, Royal Prince Alfred Hospital (TBC);
  Luc Siros @lsiros007 Hacking Health (Canada); Other Speakers TBC

3.50pm  Thank you and summary

Dr Pradeep Philip @VPPhilip Chair, HIC 2016 and CEO, LaunchVIC

4.05pm  Introduction to HIC 2017

4.10pm  HIC 2016 farewell

Dr Louise Schaper @louise_schaper CEO, HISA and Dr David Hansen @dhansen35 Chair, HISA

4.15pm  Conference concludes