

Cambridge Wireless Healthcare SIG in association with the
Eastern Academic Health Science Network and Health Enterprise East

“Fostering Health Innovation: Part 1”

12 June 2014

Kindly hosted by:



The Wireless Healthcare SIG is championed by Rob Blake of **Philips Research UK**, Peter Ferguson of **Accenture**, Collette Johnson of **Plextek Consulting** and Paul Winter of **TTP**

Venue: Philips Research Laboratories, 101 Cambridge Science Park, Milton Road, Cambridge, CB4 0FY

AGENDA

-
- 13:30** Registration & Networking over Refreshments (*please note that lunch is not provided*)
-
- 14:00** Introduction to the Cambridge Wireless Healthcare SIG by **Peter Ferguson of Accenture**
-
- 14:10** Welcome from the host **Rob Blake, Senior Scientist, Philips Research Laboratories**
-
- 14:15** Welcome from our partner **Karen Livingstone, Director of Strategic Partnerships and Industry Engagement, EAHSN**
-
- 14:20** Welcome from our partner **Sue Watson, Head of MedTech Services, Health Enterprise East**
-
- 14:25** **Session chaired by Peter Ferguson of Accenture**
Professor Thida Win, Consultant Respiratory and General Medicine Physician, Lister Hospital, Stevenage
‘Respiratory EAHSN Current Projects and Future Wish List Innovations’
Professor Win discusses current projects and how technology and innovations can be of great value and use for respiratory community in the future.
-
- 14:40** Q & A
-
- 14:45** **Session chaired by Collette Johnson of Plextek**
Dr Peter Young, MD, Consultant in Critical Care, Queen Elizabeth Hospital, Kings Lynn
‘Fostering Clinical Innovation in the NHS - Is the National Model Broken?’
The British are known for inventiveness yet the Americans make innovative ideas a reality. Innovators by necessity must be free thinkers and risk takers and to be effective must be released from the conservatism which embroils the activity of large institutions like the NHS. This talk examines a successful innovation model pioneered at the Queen Elizabeth Hospital with reference to a number of innovations.
-
- 15:00** Q & A
-
- 15:05** **Session chaired by Paul Winter of TTP**
Dr Willie Cruickshank, Director Norfolk & Suffolk Dementia Alliance
‘Developing Assistive Technology for People with Dementia: Do Nothing For Me Without Me’
Dr Cruickshank explores the ethical debate over the use of assistive technologies for people with dementia and the impact on its rate of adoption and growth. There is evidence that assistive technologies that facilitate and support formal care at home, show potential to support people with dementia to stay in their own home (substituting expensive professional care services). However, some people caution that some assistive technology that substitutes human contact can unfortunately promote the adverse effects of further isolation of people already excluded from social interaction. Furthermore, some technologies such as surveillance and monitoring can be seen by some as a source of potential intrusiveness, a threat to autonomy and even a breach of human rights. Often technologies have been designed without input from users and reflect the perceived needs of service providers rather than patients and their carers. Whether it’s developing services, support solutions or assistive technology, people with dementia and their carers must be empowered to contribute to the process.
-
- 15:20** Q & A
-

15:25	Refreshment Break & Networking
15:55	Introduction to Group Sessions by Rob Blake of Philips Research
16:05	Group Session A- Clinical One, Clinical Two, Clinical Three
16:35	Change Group Sessions
16:40	Group Session B- Clinical One, Clinical Two, Clinical Three
17.10	Comfort Break & Networking
	Session Chaired by Rob Blake of Philips Research
17:25	Group Reports from the Facilitators and Open Discussions
17:55	Closing Remarks from Karen Livingstone of EAHSN
18:00	Fill in Evaluation Forms and Event Closes

With the permission of the speakers, presentations will be loaded to the Cambridge Wireless website on the day following the event

Profile of Organisers

Cambridge Wireless (CW)

CW is the leading international community for companies involved in the research, development and application of wireless & mobile, internet, semiconductor and software technologies. With 400 members from major network operators and device manufacturers to innovative start-ups and universities, CW stimulates debate and collaboration, harnesses and shares knowledge, and helps to build connections between academia and industry. CW's 20 Special Interest Groups (SIGs) provide its members with a dynamic forum where they can network with their peers, track the latest technology trends and business developments and position their organisations in key market sectors. CW also organises the annual Future of Wireless International Conference and Discovering Start-ups competition along with other high-quality industry networking events and dinners. With headquarters at the heart of Cambridge, UK, CW partners with other international industry clusters and organisations to extend its reach and remain at the forefront of global developments and business opportunities. For more information, please visit www.cambridgewireless.co.uk

Eastern Academic Health Science Network

The EAHSN has been set up to promote the adoption, diffusion and spread of innovation into and throughout the NHS in the Eastern region. Our aim is to use innovation to reduce unwarranted variation in service provision, help improve health services for the next generation and secure a positive impact on patients and the economy. Drawing on this, and our successful innovation hub and Small Business Research Initiative (SBRI) programmes, we will grow wealth and economic value, leveraging sustainable improvements in healthcare. For more information please visit: www.eahsn.org.uk/

Health Enterprise East

Health Enterprise East (HEE) is the NHS partner organisation for Innovation. We are committed to improving healthcare through supporting the development of innovative new products and services which meet the needs of the NHS. HEE provides a broad range of services to NHS organisations, providing expert advice, funding and support to NHS innovators to translate their ideas into practice. Operating within the NHS, HEE also provides consultancy services to technology based companies looking to access the UK market. HEE works with clinical key opinion leaders and senior NHS managerial, commissioning and procurement staff on a daily basis. Our NHS market assessments provide vital information for companies to ensure that their products are well targeted to the technical and business needs of the NHS, speeding up adoption of new technology by the NHS. For more information please visit: www.hee.org.uk/

Profile Host

Philips Research Laboratories

Philips are deployed across a wide spectrum of business activities that embrace the key platforms of Philips dedication to providing Healthcare, Wellbeing, Lifestyle and Innovation based products, systems and services. For further information please visit: www.philips.com

Profile of SIG Champions

Rob Blake, Philips Research UK

Robert Blake is a Senior Scientist at Philips Research, Cambridge. Philips has recently established their UK Research presence in the town, showing a commitment to Research, the UK and Cambridge. At Philips, Robert has worked on mobile and wireless applications, focussing on usability and acceptability issues relating to the technology. Initially he worked on location and context aware applications, using mobile phones and Bluetooth to deliver services to users. Robert was involved in the early days of Near Field Communications (NFC) where he worked on applications for this new technology and built some of the first NFC-enabled mobile phone prototypes. A major focus of the work was building and promoting novel contactless applications, including using NFC to establish a Bluetooth connection. More recently he has been investigating the application of mobile and wireless technology for home healthcare and wellbeing. One of the projects he is working on is SAPHE (Smart and Aware Pervasive Health Environment), aiming to provide a next generation telecare system for improving the quality of people's lives. Robert holds a MEng in Software Engineering from Imperial College London and is fluent in German. In his spare time he enjoys photography and is a keen cyclist. For more information please visit: www.research.philips.com

Peter Ferguson, Accenture

Peter is a Programme Manager in Accenture, Cambridge. Peter has lived in Cambridge for 15 years. He has a MSc and PhD in Medical electronics. Peter has held key Technical and management responsibility for development projects including the world's first Self-Adhesive Physiological monitor and the delivery of over 20 Global Smartphones. In his 2 years as an Accenture Mobility Health delivery lead, he has provided mobile technology consulting for the NHS, UK Health research and government hospitals in China (Shanghai). As a Champion of the Cambridge Wireless Healthcare SIG Peter's objective is to demonstrate and present Global Mobility Health Innovation. For more information please visit: www.accenture.com

Collette Johnson, Plextek Consulting

Collette works for Plextek Consulting in medical business development, helping companies with their strategic positioning relating to product development. Previous to working at Plextek she worked at NHS innovations with a lead role in bringing together industry and clinical organisations for product adoption and also was the programme lead for the national SBRI healthcare programme, whilst in this role she focussed on the mHealth and telehealth space and developed a network bringing together, industry, clinical and academic stakeholders. She also worked in a strategic role in healthcare at Cambridge Consultants for world leading corporate organisations and highly innovative start-ups. For more information please visit: www.plextek.com

Paul Winter, TTP

Paul Winter is a programme manager and RF engineer in the Communications and Wireless group at TTP. He has led numerous projects in commercial, industrial and healthcare sectors developing connected devices and precision instrumentation. Paul has a heritage in developing products integrating multiple wireless standards including GPS, GPRS, Wi-Fi, Bluetooth and proprietary ISM band radios, deployed within multi-sensor systems for in-home and on-body applications, often coupled to 'Cloud' based analysis and visualisation services. In healthcare Paul has applied aspects of wireless, antennas and electronics to a number of medical devices including inhalers, glucose testing and point of care diagnostic instruments. Paul has also led several incubation projects for TTP's Carbon Trust Incubator, covering a wide range of cutting edge technologies. Paul joined TTP in 2006; prior to this he worked as a radio engineer for Global Communications developing high volume consumer in-home satellite and digital TV distribution equipment, as well as portable equipment for the 'on-location' broadcasting industry. Paul has a Masters degree in Electrical & Electronic Engineering from the University of Wales, Cardiff. He is a member of the Institute of Engineering and Technology, the Royal Academy of Engineering and is a Chartered Engineer. For more information please visit: www.ttp.com

Profile of Speakers

Dr Peter Young, MD, Consultant in Critical Care, Queen Elizabeth Hospital, Kings Lynn

Dr Young is a Critical Care Consultant and founder of the King's Lynn Institute of Patient Safety (KLIPS). Over 20 years he has developed 10 patented innovations through links with industry, investors and the NHS Innovation hub. For more information please visit: www.gehkl.nhs.uk

Dr Willie Cruickshank, Director, Norfolk & Suffolk Dementia Alliance

Dr Cruickshank is the founding Director of the Norfolk & Suffolk Dementia Alliance. Established in 2010, The Alliance is a partnership of statutory, independent and voluntary sector organisations, formed to improve the competence and capacity of the East Anglian dementia workforce across the spectrum of health and social care. Prior to setting up the Dementia Alliance, Willie served in the Royal Air Force as a fast jet pilot flying combat operations in Bosnia and Iraq. Following a period in Defence Intelligence as the first Head of Special Technical Operations he returned to the Middle East as the Chief of Coalition Combat Air Operations for Iraq, Afghanistan

and The Horn of Africa. His final few years serving in the military were spent in the Ministry of Defence in Whitehall where he was a senior military advisor and led the team responsible for developing the evidence base to inform decisions on the future size and shape of the UK's armed forces as part of the 2010 Strategic Defence Review. For more information please visit: www.dementia-alliance.com

Professor Thida Win, Consultant Respiratory and General Medicine Physician, Lister Hospital, Stevenage

Professor Thida Win's main sub-speciality interest is lung cancer, interstitial lung disease and chronic lung disease care. She is active on medical education and clinical research, published more than 40 peer review papers in respiratory diseases, and published national lung cancer guidelines. She chair Herts and Beds Lung Cancer Network. She also lead Respiratory Clinical Study Group at Eastern Academic Health Science Network. For more information please visit: <http://www.enherts-tr.nhs.uk>