

A collaborative event



The Bionic Clinician

Exploring 21st century clinicians and technology

Friday 19th June 2015, 09.30 - 15.30

Novotel, Cardiff, CF10 4RT

For more information or to register [click here](#)

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Delivered by MediWales and KTN, 'The Bionic Clinician' takes place on 19th June at Novotel, Cardiff as part of the Wales Festival of Innovation.

Introduction

The event explores the increase in the 'man-machine interaction' in healthcare delivery, and will be chaired by Dr R Ramanan, a clinician, cardiac surgeon, professor associated with bioengineering and the MD of Innovative Solutions in Informatics (ISIS) Ltd.

Looking back at developments since he qualified as a clinician in the seventies, when doctors relied predominantly on their stethoscope, clinical skills and instinct to diagnose, Dr Ramanan reflects on how technology has transformed the way that we practice and deliver healthcare.

Laboratory tests were a feat of labour and manual dexterity, extremely time-consuming and tedious. Most of the things we take for granted today – CTs, MRIs, ultrasound, echocardiography, PET scans, high-power computing, digital data, lab-on-a-chip, artificial intelligence, and the cloud were not designed, discovered, or developed.

The 21st century clinician is inextricably linked to and dependent on technology to deliver care that is safe and standardised. As the boundary between the clinician and technology become increasingly blurred, this event predicts a future whereby the clinician becomes truly bionic.

Speakers and topics include:

- Challenges and expectations from clinicians
- Insight from technologists and industry, from Medaphor
- Exploring the relevance and applicability of diagnosticators and prognosticators used in aircrafts to clinical practice, Advanced Engineering and Avionics, Cranfield University
- The 'Orwellian 1984' issues with data collection and storage, Professor Vadgama, Queen Mary University London
- Data safety and security - reassuring us as to how data may be de-risked, Storm Guidance
- 'How to make a hole in the head without causing a headache', Professors Brett and Ramanan, Robotics and Bioengineering at Brunel University*

**Do not try this at home*



This event aims to capture the essence and spirit of the technological marvels that form part of the clinician's armamentarium. 'The Bionic Clinician' hopes to bring the experts, enthusiasts, adopters, evangelists and visionaries together to explore the future of healthcare.

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