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Formula 1 to Advances for Healthcare

24th March 2015 Rutherford Appleton Laboratory

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Life Sciences Healthcare
Innovation2Enterprise

How Formula 1 could drive smarter healthcare

With the NHS creaking under the strain of the ever increasing demands of an ageing population, giants from the motorsport, automotive and medtech industries have come together to see how advances in these sectors could drive cost savings and better quality service in the nation's health and care systems.

The unique cross discipline approach has being launched by Medilink UK in partnership with the UK's premier advanced technology focused Science and Technology Facilities Council (STFC).

At today's event at STFC's Rutherford Appleton Laboratory (RAL), the focus will be on seeing how advances in technologies such as the remote monitoring and diagnostic sensor technologies used by F1 teams to finesse cars' performance on the track could be transferred to revolutionise the way people are cared for.

"Many innovative technologies already exist but need to be brought together or packaged to provide end to end solutions that are interoperable and efficient for use in healthcare. The NHS needs specialist and complex care pathways managed and no single provider large or small has all the answers." *Nick Scott-Ram, Director of Commercial Development for the Oxford Academic Health Science Network*

"Sharing cross-domain knowledge from disparate industries is a very exciting aspect of this meeting. We are interested to see how established technologies, which were previously unconsidered in the healthcare industry, may be leveraged." *Olga Colgan, Director of Commercial Marketing for ePathology at Leica Biosystems.*



STFC SITE RECEPTION

08:00 to 09.00 | Manned Registration

EXHIBITION HALL (VISITOR CENTRE) Launch and first round exhibitors (B2B Q&A)

09:00 | Light breakfast, networking and exhibition

09:30 | **Richard Holdaway, Director of RAL Space** Welcome address - Science and Technology Facilities Council, Rutherford Appleton Laboratory

09:40 | Medilink UK, **Gugs Lushai, MD Medilink South West** – *Introduction to a proactive business development day*

09:50 | Chair for the day, **Ed Moses, Deputy Director, Office for Life Sciences**, DH & BIS – *Government support for Health and Life Science innovation*

10:00 | **Innovative technology & service exhibition** - *Guided Speed-dating between exhibitors and Industry Leaders*

11:00 | Move to Auditorium for coffee

AUDITORIUM (PICKAVANCE THEATRE) The needs of Industry, NHS and how to engage!

11:45 | **Williams F1, Katrien Hermans, Business Development Manager**, Williams Advanced Engineering – *From Formula 1 to Commercialisation*

12.00 | **RAL-Space, Peter Allan, Head**, Space Data Division - *Remote Monitoring from Space – gathering data from truly remote locations Pathology into the Digital Era – Efficiencies, Benefits and Challenges*

12.15 | **Magna International, David Paul, Director**, Corporate Engineering and R&D - *Innovating the Car of the Future*

12.30 | **RAL-Scientific Computing, Tom Griffin, Research Data Group Leader** – *Massive, long term secure data storage*

12.45 | **Leica Biosystems, Olga Colgan, Director of Commercial Marketing**, Aperio ePathology - *Advancing Anatomic*

13.00 | **Oxford Academic Health Science Network, Nick Scott-Ram, Director** of Commercial Development - *Accelerating Innovation and Technology Adoption within the NHS*

EXHIBITION HALL (VISITORS CENTRE) Final talks and round of exhibitors (B2B Q&A)

13:15 | Lunch and Networking

14.00 | **McLaren Applied Technologies, Andrew Walker, Commercial Director** - *Giving mainstream health and wellness the F1 treatment*

14:15 | **Innovate UK, Chris Sawyer, Lead Technologist** - **Independent Living Innovation Platform** – *Long Term Care Revolution (LTCR), Funding, Opportunities and Challenges*

14:30 | **Innovative technology & service exhibition** - *Guided Speed-dating between exhibitors and Industry Leaders*

15:45 | Prizes for best exhibits; Feedback forms

CLOSE

16.00 | Thank you and Safe Journey home!



Professor Richard Holdaway
Director
RAL Space

HOST WELCOME

Richard has over 40 years of experience in the Space Programme, having worked on numerous missions in Space Science and Earth Observation. He is a Fellow (and member of Council) of the Royal Academy of Engineering, a Fellow of the American Institute of Aeronautics & Astronautics, a Visiting Professor (and member of Council) at the University of Southampton and also a visiting Professor at both the University of Kent and University of Aeronautics & Astronautics in Beijing.

“STFC are very pleased to be supporting this unique event that will see collaborative work across several sectors, highlighting the advancement of technologies within the UK. This innovative work has the potential to impact not only on those industries, but on the UK as a whole.”

RAL Space, based at STFC's Rutherford Appleton Laboratory (RAL), carries out an exciting range of world-class space research and technology development, with a significant involvement in over 200 space missions. We provide space test and ground-based facilities, design and build instruments, analyse and process data, and operate ground-station facilities, as well as leading conceptual studies for future missions. Our 220 staff are dedicated to supporting the programmes of STFC and NERC, as well as undertaking a large number of space projects for UK and overseas agencies, universities and industrial companies. We work alongside the UK Space Agency, which co-ordinates UK civil space activities



Dr Gugs Lushai
Managing Director
Medilink (South West)

SPEAKER & ORGANISER

Gugs has been at the heart of business growth and strategic development for the UK life sciences and Health Industry for 10 years supporting, Industry, Government, NHS, and academic organisations. Gugs is the MD for Medilink South West and Life Sciences Healthcare through which he has supported over 150 companies: micro, SMEs and corporate with business strategy and pipeline enrichment and channels to market. He has a Ph.D. from Imperial with a background of 12 years of biotech and molecular marker R&D.

“We’re delighted to partner with STFC. This is an exciting time to be involved in our sector and these types of cross industry events provide the perfect platform to explore and celebrate the immense advances being made for the benefit of patient care.” *Gary Stapleton, Medilink UK’s Chairman; Business Director of 3M Health Care Business Group, West Europe.*

Medilink is an Industry Trade Organisation – The UK’s leading health and life sciences sector network. We have a concordant with ABHI and a close working relationship with the key national networks and are an industry advocate to Government.

Medilink UK comprises 12 Regions across the UK with a national membership in excess of 1400. Medilink UK supports over 47,000 industry contacts (through our Life Sciences industry Magazine; 6500 twitter followers and 1500 LinkedIn Groups). Medilink supports the growth and development of the life sciences and medical technology business, academic and clinical communities across the UK.



Ed Moses

Deputy Director

Office for Life Sciences, Department of Health & Department for Business, Innovation & Skills

CHAIR

Ed has worked in Public Health England and was Head of Social Care Funding Reform in the Department of Health. Prior to that, he headed up the Care and Support White Paper team and worked on the NHS reforms, leading on the strengthened role of local government and NHS reconfiguration. Ed has extensive cross-Whitehall experience, having worked in the Cabinet Office, Department for Communities and Local Government, Department for Education and the Department for Business, Innovation and Skills across a range of policy areas.



The Office for Life Sciences is a joint BIS/DH unit that works closely with stakeholders across public and private sectors to support the delivery of the Government's objectives for life sciences policy. On growth, OLS supports the development of industrial policy to make the UK the best place in the world to research, develop and test healthcare products reaching across research, manufacturing, skills, grants access to finance and the fiscal environment. On health, OLS aim to deliver the best outcomes for patients, supporting access to cost-effective innovation in both medicines and technologies, and making the NHS one of the world's leading environments for the research and development of life science products. This work includes the Accelerated Access Review which is looking to accelerate patient access to cutting edge medicines, devices and diagnostics.



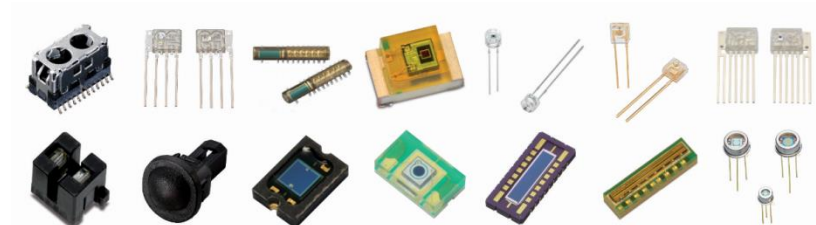
Adnan Quazi Bsc

Internal Sales Engineer, Components
Division

Hamamatsu Photonics UK

EXHIBITOR 1.1

Adnan received his degree from the University of Hertfordshire in Physics. During his studies he focused on the computer modelling of nuclear and photonic phenomena. As an engineer in the Components Division he is working to provide photonics solutions to researchers and industrial bodies. He has helped to integrate Hamamatsu sensors and devices into applications that range from gas sensing to medical analysis to nuclear safety.



Hamamatsu Photonics, the world leader in Photonics, are a technology company manufacturing solid state, laser, MOEMS and electron tube opto-electronic components and systems. The creation, manipulation and detection of light are impacting a large number of applications and sectors, including the Medical and Automotive sector.

In the Automotive sector we are making optical devices for information systems, such as MOST150 and car-to-X communications, for advanced driver assistance systems (ADAS), such as head up display (HUD), illumination/RGB colour sensors for automatic headlight control, as well as other systems such as LIDAR, automatic braking and 3D imaging for gesture control, and more.

In the Medical sector our MPPCs are used for high resolution PET scanners. We are making X-ray imaging equipment, low light level detectors such as PMTs for fluorescence detection, as well as a range of high end scientific cameras such as the ORCA-Flash 4.0, among many other devices.



Angela Gallego Leon
Head of Product Development
Isansys Lifecare

EXHIBITOR 1.2

Angela is an experienced systems and data engineer she works closely with the clinicians, nurses and patients to define and capture their requirements and to ensure compliance with the Medical Device Directive. Prior to Isansys, Angela worked for several years as a track and data engineer in Formula 2 and Formula 3 motor racing and before that as an R&D engineer with the European Space Agency.



Isansys Lifecare has developed an innovative, low cost and scalable patient monitoring platform. The Patient Status Engine (PSE) integrates a range of advanced medically certified wireless wearable vital sign sensors, several designed and manufactured by Isansys, with secure networking technologies and predictive analytics.

The PSE provides a complete end-to-end system to continuously and wirelessly capture, collect, interpret and securely store vital sign and other relevant patient data. It is also able to monitor and analyse subtle variations in these physiological biomarkers that are early warning signs of many serious conditions, for example sepsis, a body wide infection, as well as more “mundane” conditions such as stress and fatigue.

The PSE has been designed in response to requests from clinicians and nurses for a remote high resolution monitoring system for patients on critical care pathways, both in hospital and at home.



Laureline Mahe

Post Doctoral Research Associate
Quantum Systems and
Nanomaterial Group, Physics
University of Exeter

EXHIBITOR 1.3

Laureline received her MSc degree in biomedical engineering from the School of Physics, Electronics and Materials in Grenoble, France and her PhD in Physics from the Department of Physics at the University of Exeter. Her expertise is in the fields of electrochemistry, photo-electrochemistry, the making and characterisation of graphene based opto-electronic and electrochemical biosensors. Since October 2014 Laureline has been working with the Quantum Systems and Nanomaterial Group, Physics as a Post Doc.

The team is lead by Professors Saverio Russo and Monica Craciun based at the Centre for Graphene Science at the University of Exeter with an expertise in the growth and characterisation of graphene and the production of graphene-based optoelectronic devices.

In 2012, they discovered a material called graphexeter, FeCl_3 doped graphene, which is the best transparent conductive material to date (with better performances than ITO). It has also recently been shown to be very stable at high humidity (>95%) and at extreme temperatures (from 200 mK to 600 K). As graphene, it is also a flexible material and can be used as a platform for biomedical sensors.

This makes graphexeter an excellent alternative for ITO and an extremely promising material for the development of cost effective, light-weight, portable and flexible optoelectronic and biosensing applications amongst others.



Dr Hrand Mamigonians
Chief Technology Officer
Zedsen

EXHIBITOR 1.4

Hrand formed HMT International to apply his expert knowledge of electronic design and manufacture to commercial applications. HMT has helped a range of companies design, manufacture and distribute membrane based products ,e.g. a range of baby monitors for Tomy, selling over 8m units in Europe and Australia. After inventing the technology behind Zedsen, Hrand has spent his time advancing the technology, to produce next generation detection equipment for Scanna MSC Ltd. Hrand has a Ph.D. in Electrical Engineering from UCL.



Zedsen is the world's only intelligent, flexible 3D scanning surface. It uses an application-specific membrane and algorithms to scan and analyse the complex electrical properties of objects in contact or in proximity to the sensor surface. This enables us to identify objects and compounds (solids, powders, liquids or gas), to create 3D images, and identify and diagnose abnormalities.

Sensors can be made to any size or shape, clear or opaque, rigid or flexible. They can scan from a single plane, or multiple planes. They can also be wearable. Zedsen's truly disruptive technology is benign and operates without radiation or other potentially harmful effect, and can be powered by battery or the mains.

Zedsen enables a wide variety of new applications in industries such as healthcare, security, automotive, consumer electronics, and robotics. From mapping pressure and downforce to non-invasive glucose monitoring, Zedsen technology is applicable from F1 through to Healthcare needs.



Katrien Hermans

Business Development Manager
Williams Advanced Engineering

SPEAKER & EXHIBITOR

Katrien has 12+ years of sales, marketing and BD experience in a variety of sectors ranging from communications to engineering. Before moving to the Williams Advanced Engineering's headquarters in Oxfordshire she has had an international career, being based in Qatar for several years and living and working in Africa, the US and the Caribbean.

Katrien has been working 2 years on the commercialisation of Williams Advanced Engineering's Formula 1 derived technologies and expertise, mostly related to simulator and energy systems and more recently in the Sports Science field.

WILLIAMS

Williams Advanced Engineering is the technology and engineering services business of the Williams Group. They combine cutting edge technology and the Industry's best engineers with precision and speed - derived from four decades of success in the ultra competitive environment of Formula One.

They provide world class technical innovation, engineering, testing, and manufacturing services to deliver energy efficient performance to a multitude of industries that include of Motorsport, Autosport, Renewable Energy, Defence and Civil Aerospace.

Working in close collaboration with customers and partners, Williams Advanced Engineering creates advanced lightweight materials, hybrid power systems and electronics, cutting edge aerodynamics, vehicle dynamics, and holistic integration capabilities to achieve highly efficient performances and meet the sustainability challenges of the 21st Century



Peter Allan

Head of the Space Data division
within RAL Space
STFC - Science and Technology
Facilities Council

HOST & SPEAKER

Peter is an expert in data processing and archiving, and communicating with spacecraft, both in orbit around the Earth and elsewhere in the Solar system. This involves remote operations, with very little power, very little bandwidth, and very little time to plan activities.

Peter represents the UK Space Agency on the international Interagency Operations Advisory Group and the Consultative Committee for Space Data Systems, both being concerned with developing and using interoperable standards for space communications.



RAL Space, based at STFC's Rutherford Appleton Laboratory (RAL), carries out an exciting range of world-class space research and technology development, with a significant involvement in over 200 space missions. We provide space test and ground-based facilities, design and build instruments, analyse and process data, and operate ground-station facilities, as well as leading conceptual studies for future missions. Our 220 staff are dedicated to supporting the programmes of the STFC and the NERC, as well as undertaking a large number of space projects for UK and overseas agencies, universities and industrial companies. We work alongside the UK Space Agency, which co-ordinates UK civil space activities.



David Paul

Director of Corporate Engineering
and R&D
Magna International

SPEAKER

David holds a Mechanical Engineering Degree from Loughborough University (sponsored by Jaguar Cars Ltd) and later became a key member of Jaguar's team that developed their first V8 engine.

After a long career in Magna Powertrain, David established his own Company in 2007 with activities including business development for SME's, supporting Innovate UK, etc.

He re-joined Magna in 2014 as Director of Corporate Engineering and R&D, focussing on external innovation from start-ups and research organisations.



Magna, one of the world's largest automotive suppliers, has a laser focus on delivering game-changing technologies that lead to market advantages. With more than 10,000 engineers and 83 product development, engineering and sales centres around the world, Magna has a history of taking great ideas and developing them from innovation to industry standard. We also know that great thinking can happen outside our four walls and that's why we are open for business when it comes to potential inventors, entrepreneurs and start-ups to help identify solutions and commercialise invention.



Tom Griffin

Research Data Group Leader within
RAL-Scientific Computing
STFC - Science and Technology
Facilities Council

HOST & SPEAKER

Tom leads the research data group at STFC, with a focus on data management and analysis pipelines for large science facilities. Tom's background is in software development and during his career he has working in a number of areas including data storage, HPC and high-throughput computing, data management and business information systems. He is currently involved in a number of collaborations and EU projects working to build data infrastructures for 'big science'.



The STFC Scientific Computing Department provides large scale HPC facilities, computing data services and infrastructure at both STFC Daresbury Laboratory and STFC Rutherford Appleton Laboratory.

The department also includes world leading experts in a number of scientific fields including computational chemistry, computational engineering, materials science, band theory, computational biology, advanced research computing, atomic and molecular physics, numerical analysis, software engineering, data services, petascale storage, scientific information and scientific computing technology.



Olga Colgan

Director of Commercial Marketing
Aperio ePathology at Leica
Biosystems

SPEAKER

Olga has close to a decade of experience in the digital pathology sector, and is focused on how this new and disruptive technology can be leveraged to provide real benefits in both the healthcare and biomedical research domains.

Prior to working with Leica Biosystems, Olga came from a research background with a BSc in Biotechnology and a PhD in Vascular Biology from Dublin City University, Ireland.



Leica Biosystems is a global leader in workflow solutions and automation, striving to advance cancer diagnostics to improve patients' lives. Leica provides anatomical pathology laboratories and researchers a comprehensive product range for each step in the pathology process, from sample preparation and staining to imaging and reporting.

Leica's easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 7 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany.



Nick Scott-Ram MBE
Director of Commercial
Development
Oxford Academic Health Science
Network

SPEAKER & SPONSOR

Nick has over 25 years experience in commercial and business development in the life sciences sector. He has worked in senior management positions in blue chip life science companies including PowderJect Pharmaceuticals.

Nick also has experience in e-health and personalised health. He was awarded the MBE for services to biotechnology in 2001.



The Oxford Academic Health Science Network is one of 15 AHSNs licensed by NHS England to 2018. It brings together the NHS, industry, scientific and academic communities – along with patients and the public.

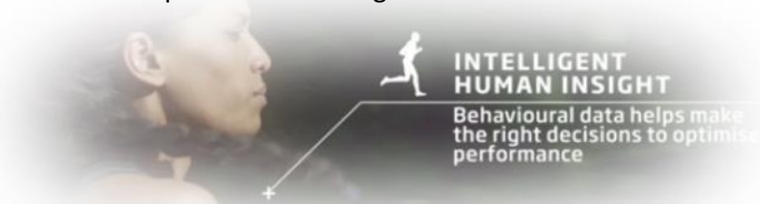
The aim and objectives is to improve knowledge exchange and promote health and wealth in a region of 3.3 million people. The aim is to bring lasting benefits as best practice is spread quickly and widely across the NHS.



Andy Walker
Commercial Director
McLaren Applied Technologies

SPEAKER

Andy is responsible for the development & execution of commercial strategy and creating and maintaining relationships with major customers including GSK. Prior to joining McLaren, Andy co-founded two venture capital backed software start-ups in areas as diverse as speech recognition and mobile internet applications, raising VC funds and achieving a successful IPO. With a Masters Degree in software engineering Andy has held positions in technical, business development and international product marketing.



McLaren Applied Technologies is the fastest growing company within the McLaren Technology Group. As experts in high performance design and technology we partner with pioneers to produce breakthroughs in performance and change the game. This has given us both the capabilities and the courage to deliver genuine innovation across companies as diverse as GSK, KPMG and markets such as Health & Wellness, Consumer Goods, Energy, Transport and Motorsport.

In Health & Wellness specifically, we have worked with numerous Olympic and professional sports teams to help them derive timely and valuable insight from player/athlete data to optimise training and prevent injuries. We have been working with GSK since 2011, deriving insight from data gathered during medicine development, including in clinical studies for patients suffering from diseases such as stroke and ALS. We also work with partners developing applications including weight management, objective monitoring of stress and fatigue and the next generation of consumer health & fitness devices.



Chris Sawyer,
Lead Technologist, Health & Care
Innovate UK

SPEAKER

Chris has over 30 years experience in the Medical Technology industry. Having worked both internationally and nationally for market leading companies, Chris has also worked closely with the NHS in developing new innovative technological solutions.

Chris was instrumental in the ongoing development of Hewlett Packard's patient monitoring business in the UK, before relocating to the US to work on the company's new product development initiatives, including one of the world's first telehealth solutions. Upon returning to the UK, Chris has been heavily engaged in the development of new healthcare solutions, through his work with Innovation Hubs, as well as several consultancy engagements.



Innovate UK is the new name for the Technology Strategy Board - the UK's innovation agency. We know that taking a new idea to market is a challenge. We fund, support and connect innovative businesses through a unique mix of people and programmes to accelerate sustainable economic growth.

To focus our investment in innovation, we have identified several priority areas. Many of these programmes focus on global challenges - such as emissions from transport, the environmental impact of buildings, or healthcare and independence for our ageing populations - and help business to take advantage of the market opportunities that result.



Ian Hodgson

Business Development Director
CRITICAL Software Technologies

EXHIBITOR 2.1

Ian Hodgson is responsible for managing CRITICAL's business in the aerospace sector, covering the UK as well as the global market. He has a particular interest in the development of activities in the medical device market; through leveraging expertise derived from traditional safety-critical software systems engineering work, to the application of CRITICAL's experience with asset monitoring to healthcare applications.



Comprehensive IT solutions are needed to manage patient information that is currently fragmented across multiple care sites and systems. CRITICAL Software offers reliable patient data aggregation software, combined with data visualisation capabilities and predictive tools, supporting consistent analysis.

Data could be used much more efficiently to improve decision-making, reduce process costs and increase quality of care. This requires real time access, at the point of care. Current barriers include lack of data integration, poor quality data and insufficient analytical tools.

CRITICAL Software has developed a range of inter-operability services for healthcare data and process management, including medication management, disease management, clinical trials and clinical research management tools.



Sharon Weeks

Business Development Director
MimoCare UK

EXHIBITOR 2.2

Sharon is an MBA graduate specialising in the health & education sectors. Her understanding of issues of inclusion faced by vulnerable people makes her a strong advocate of the use of technology to support greater independence. Having been an elite athlete (swimming), Sharon fully understands the health complexities that lead to high level performance. Working closely with Intel in their IoT Ignition Lab, Sharon's expertise is used to providing insight into solving global healthcare projects.



Often elderly people are living at a distance from their families, yet they want to retain their independence whilst remaining in their own home with familiar surroundings. Unfortunately, issues such as degenerating physical and mental health often requires local care and support to ensure that they are kept safe and as well as possible. Also with families spread across the globe, there is the need for reassurance that all is well with their loved ones wherever they may be.

To address the above demands Mimocare was conceived using various technologies, including:

- Compact computer with Zigbee networking
- Cloud connectivity via broadband or 3/4G
- Low power compact sensors covering heat, light and digital measures
- Database storage plus analytics for activity profiling and reporting
- Programmed alerts to carers when abnormal activities are identified



Peter Needham
Director of Sales & Marketing
ML Electronics

EXHIBITOR 2.3

Peter has been with MLE for nearly 4 years, originally as Director of Sales and Marketing and more recently as Group Head of Sales. Having originally trained as an engineer Peter has been in senior sales and business development roles for over 20 years, working with clients ranging from start-ups to global blue chips to develop technical solutions. Peter is a keen motorsport enthusiast, especially F1, MotoGP and Superbikes.



MLE is a leading product and solution design house within various sectors. MLE's experts thrive on embracing all aspects of innovation and new technologies such as IOT and Big Data and understands introducing disruptive innovation to the market.

MLE works directly with medical innovators (for home and in-hospital device use), and with over half the F1 teams. MLE's expert designers of complex products and solutions are founded on 20+ years of design excellence.

Our projects are based around complex electronics and integrating multiple technology systems. MLE adds value to every project, ranging from the simplest technology such as a Bluetooth v4-enabled mechanical valve with a single temperature sensor for Cloud-based control, to single photon detection using SPAD diodes, or high-speed conversion techniques for time-domain reflectometry analysis to large array impedance tomography.



Stuart Butterfield
Director
Canary Systems Ltd

EXHIBITOR 2.4

Co-founder and Technical Director at Canary Care. Responsible for the complete product offering: hardware design and manufacturing, software and services. Almost twenty years experience bringing innovative, connected products to market. Veteran of two previous startup companies (electric vehicle charging and software GPS technologies). Before those, ten years at Philips Research/Software.



The Canary Care system monitors the typical signs of daily activity of elderly and vulnerable individuals in their own homes. It provides alerts to families and carers should there be any difficulties.

Canary utilises low-power wireless sensors to capture data on Movement, Temperature, Light and Door activity and a smart-card reader to recognise the presence of specific visitors to the home. The Canary hub delivers the data to our service platform, via cellular communications, for display and analysis.

Carers and support organisations can set up rules to get Canary to look out for specific events and conditions within the home e.g. a door left open, lack of movement, a room temperature too low, a visitor appointment missed etc. Our rules engines analyses the incoming data and sends notifications by email and/or SMS if any of the specified conditions are met.



Simon Copsey

Project Manager – Software
Development
Mujo Mechanics

EXHIBITOR 2.5

Simon is product managing the software development of MuJo Connect and holds his roots in software development, originally leading a technology team at Goldman Sachs.

MuJo is led by Douglas Higgins who conceptualised the moving axis cam and filed his first patent while studying Mechanical Engineering at Imperial College London. MuJo is advised by Dr Adam Hill, a qualified surgeon engineer and healthcare specialist who brings health IT knowledge from his roles as Chief Medical Officer at Sectra AB and Healthcare Advisor to the UKTI Life Science Investment Organisation.

MuJo Connect is a technology platform that will further develop our existing line of patented orthopaedic rehabilitation devices to facilitate improved delivery, monitoring and compliance of the musculoskeletal care pathway, whilst reducing treatment cost.

The platform uses remote monitoring and data analysis, among other technologies, in order to (1) visually guide patients through prescribed exercises, (2) offer real-time feedback on the accuracy of patient movements and (3) capture objective exercise data in the form of exact patient movement paths.

MuJo Connect will reduce rehabilitation time and risk of re-injury as a result of clear exercise guidance and improved compliance.

Of particular note are our new range of spine stations that aim to assist in the diagnosis and rehabilitation of whiplash injuries following road traffic accidents.



Matt Butchers

Knowledge Transfer Manager

Knowledge Transfer Network

SPONSOR

After completing his Masters in Physics at Exeter University, Matt moved to the Midlands to begin his EPSRC funded doctoral programme in experimental physics, looking at the interaction of high-energy X-rays with magnetic materials.

After some time in industry, Matt now works for the KTN's Sensors and Instrumentation community, coordinates the activities of the Industrial Mathematics community and leads the Uncertainty Quantification and Management in High Value Manufacturing Special Interest Group.



The Knowledge Transfer Network is the UK's innovation network. We bring businesses, entrepreneurs, academics and funders to develop new products and services.

Whether this means farmers talking to sensors specialists about sustainable agriculture; or materials scientists talking to laser scientists about 3D printing—we exist to put innovation into practical use.



Colin Martin
Managing Director
MedTech Communications

PROMOTIONAL EXHIBITOR

Colin is a media professional with over 30 year's experience in B2B online, print and event sales and content management with a proven ability to lead, through sound strategy formation and execution. The last 15 years have been spent in the medical technology industry.

He has held Senior Executive roles since 2006 and has had full P&L responsibility for multi-channel brands in Europe, China and Japan over seeing brand and business strategy development and execution. His core ability is to identify need and opportunity, generate revenue, control cost and to develop effective, teams that deliver profitable results. His specialties include integrated media solutions, sales and content management and International business development and expansion. Colin is currently MD of MedTech Communications.



MedTech Communications a specialist B2B communications company responsible for Med-Tech Innovation magazine, Med-Tech Innovation EXPO and www.med-techinnovation.com.

The Med-Tech Innovation multimedia platform is dedicated to providing the UK and Ireland medical device manufacturing community with a central hub of information that will assist medical device manufacturers in moving successfully from concept to R&D to design and manufacture of new and next generation medical devices.



Christopher Hayes
Commercial Barrister
IBB Solicitors

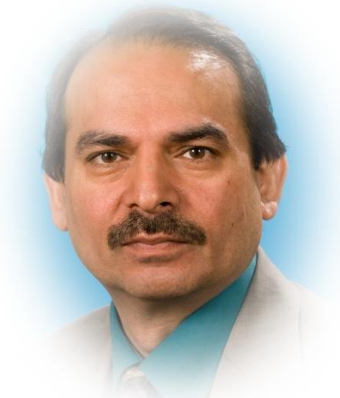
SPONSOR

Christopher is a commercial barrister specialising in intellectual property. He has acted for clients on a range of issues, both contentious and non-contentious, including patents, copyright, trademarks and passing off, design rights and licensing. Christopher has extensive experience of acting in the healthcare, pharmaceutical and biotechnology sectors.

Christopher has experience of dealing with multijurisdictional matters and has had extensive in-house experience where he managed global IP litigation from trial through to appellate courts.



IBB Solicitors are a dynamic and forward-thinking legal practice capable of handling complex legal work, and can trace our history back to 1774. We provide expertise in almost every area of the law. Our 27 partners, 92 qualified lawyers and specialists work four main practice areas – Real Estate, Commercial, Private Client and Community Legal Services. representing individuals and businesses nationally and internationally.



Izhar Ul-Haq
Business Development Manager
STFC - Science and Technology
Facilities Council

ORGANISER, EXHIBITOR & SPONSOR

Izhar gained his PhD in Low Temperature Physics and Magnetism before beginning his career as a Project Engineer in 1988 designing high field superconducting magnets and helium cryostats.

He then spent a number of years working for multinational companies in sales and marketing roles as well as managing agents and distributors worldwide. He joined STFC in February 2010.



The Science and Technology Facilities Council (STFC) is keeping the UK at the forefront of international science and tackling some of the most significant challenges facing society.

STFC supports the academic and industrial communities by providing large scale science infrastructure and expertise in neutrons, nuclear physics, lasers, astronomy, particle physics, particle accelerators and space science.



ATTENDEE LIST INSERT & NOTES



Science & Technology
Facilities Council

Formula 1, to luxury cars, to advances for smarter healthcare INDUSTRY & NHS CHALLENGES

The Industry Challenge is for: Innovators that are interested in Digital Health and Services and also technology that may have implications for driver monitoring, assistance and improved driver experience for the motorsport and mainstream automotive sectors.

Areas of focus include innovation in:

- System diagnostics, including sensor technologies (capturing information) and remote monitoring technologies
- Monitoring and analysing technologies (interrogating the information),
- Large data storage platforms and solutions and
- Adaptable Security systems

We are looking for:

- Technology improvements
- Efficiencies
- Platforms allowing interoperability
- Robustness and
- Cost effective solutions
- Alignment, with relevant healthcare pathways in the NHS and community care

Industry benefits include:

- To support Researchers and SMEs in their go to market strategies and for corporate pipeline enrichment.
- Partnership building in preparation for Innovate UK's Long Term Care Revolution Challenge (LTCR) investment of £4.5m. SBRI National Challenge opening on the 7th April 2015

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SITE MAP



EXHIBITION HALL PLAN

