21st Annual Biomedical & Clinical Engineering Scientific Conference

‘HOSPITALS WITHOUT WALLS’

Gold Sponsor:

Cardiac services

30th September 2016
Crowne Plaza Hotel
Northwood
Dublin
‘To be the voice and thought leader for medical technology professionals in Ireland’
Our health service is in crisis – that’s not news, we all know it. The good news is that we, Clinical Engineers, can do something about it. Apparently, Albert Einstein said that the definition of insanity is doing the same thing over and over again and expecting different results. Well, it’s time to do a different thing and get the result the Irish Health service needs.

There are few professions better positioned than Clinical Engineers to be ambassadors for a new approach to healthcare. The health service is overwhelmed by unmet demand, but changes to our processes and changes to the way we provide diagnostics and therapy can reduce service demand and increase capacity. Imagine an Ireland where our patients receive quality care, when they need it, an Ireland where the conversation moves from waiting lists and trolley counts to survival rates and quality of life issues.

This conference is defined by the theme “Hospitals Without Walls”. The idea is that we begin to join the dots. The dots of really high quality care providers – doctors, nurses, allied health professionals (including clinical engineers, physiotherapists, occupational therapists, radiographers, speech and language therapists, laboratory scientists, physiology specialists and many more), with data providing decision support, together with the application of technology which is faster, more reliable, with built-in decision support, with remote monitoring.

But the key to making this real is affordability. As Clinical Engineers, technology scanning is part of our professional lives, we know there are opportunities to deliver care more effectively and efficiently but often the “system” is reluctant to do things differently. This conference is designed to empower our audience to do things differently, to challenge the status quo, to persuade others that there is a better way.

Brian Kearney
Chairperson of the BEAI
# Programme of Events:

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00am</td>
<td>Registration</td>
</tr>
<tr>
<td>8.00 – 9.00am</td>
<td>Refreshments &amp; Networking - Exhibition Area</td>
</tr>
<tr>
<td>9.00 – 9.05am</td>
<td>Opening Address</td>
</tr>
<tr>
<td></td>
<td>Brian Kearney - Chairperson, BEAI</td>
</tr>
<tr>
<td>9.05 – 9.10am</td>
<td>Setting the Scene - Hospitals Without Walls</td>
</tr>
<tr>
<td></td>
<td>Meath Smith – Education Officer, BEAI</td>
</tr>
<tr>
<td>9.10 – 9.35am</td>
<td>Session 1 – Chairperson: Ms. Mary Fitzsimons – Beaumont Hospital</td>
</tr>
<tr>
<td>9.35 – 10.00am</td>
<td>The Concept of a Liquid Hospital</td>
</tr>
<tr>
<td></td>
<td>Richard Corbridge – Chief Information Officer, HSE</td>
</tr>
<tr>
<td>10.00 – 10.20am</td>
<td>Technology as an Enabler for Patient Discharge</td>
</tr>
<tr>
<td></td>
<td>John Sandham – TBS</td>
</tr>
<tr>
<td>10.20 – 10.30am</td>
<td>Session Discussion</td>
</tr>
<tr>
<td>10.30 – 10.55am</td>
<td>Refreshments &amp; Networking - Exhibition Area</td>
</tr>
<tr>
<td>10.55 – 11.15am</td>
<td>Session 2 – Chairperson: Mr. Jasdlp Mangat – IPEM CESIG</td>
</tr>
<tr>
<td>11.15 – 11.30am</td>
<td>Cybersecurity Challenges for Biomedical Engineers in Healthcare Organisations</td>
</tr>
<tr>
<td></td>
<td>Prof. Krishnan Shankar - IFMBE</td>
</tr>
<tr>
<td>11.30 – 11.45am</td>
<td>A view on technology and data management from Northern Ireland</td>
</tr>
<tr>
<td></td>
<td>Michael Ross - Southern Trust, Northern Ireland</td>
</tr>
<tr>
<td>11.45 – 11.55am</td>
<td>HSE Community Plans for Clinical Engineering</td>
</tr>
<tr>
<td></td>
<td>Liam Hackett - HSE National Medical Equipment Advisor, Community Services</td>
</tr>
<tr>
<td></td>
<td>Session Discussion</td>
</tr>
<tr>
<td>11.55 – 12.15pm</td>
<td>Session 3 – Chairperson: Mr. Declan Murray – Ireland East Group</td>
</tr>
<tr>
<td>12.15 – 12.35pm</td>
<td>Home Dialysis</td>
</tr>
<tr>
<td></td>
<td>Paul Lowe - Beaumont Hospital</td>
</tr>
<tr>
<td>12.35 – 12.50pm</td>
<td>Distance Measuring Trolley for Patient Rehabilitation associated with Respiratory Diseases</td>
</tr>
<tr>
<td></td>
<td>Pierluigi Ravese - St. James Hospital</td>
</tr>
<tr>
<td>12.50 – 1.00pm</td>
<td>Ammonia Breath Monitoring – Green Light Project</td>
</tr>
<tr>
<td></td>
<td>Clancy Carrerra Bage - Student, St. Vincent’s University Hospital / UCD</td>
</tr>
<tr>
<td>1.00 – 2.00pm</td>
<td>Lunch &amp; Networking - Exhibition Area</td>
</tr>
<tr>
<td>2.00 – 2.15pm</td>
<td>Session Discussion</td>
</tr>
<tr>
<td>2.15 – 2.35pm</td>
<td>Medical Device Equipment; Group - Initiative</td>
</tr>
<tr>
<td></td>
<td>Peter Grainger et al - Dublin Midlands Hospital Group</td>
</tr>
<tr>
<td>2.35 – 2.45pm</td>
<td>Health Technology – Change or Die</td>
</tr>
<tr>
<td></td>
<td>Suzanne McDonald - PriceWaterhouseCooper</td>
</tr>
<tr>
<td>2.45 – 3.00pm</td>
<td>Refreshments &amp; Networking - Exhibition Area</td>
</tr>
<tr>
<td>3.00 – 3.20pm</td>
<td>Session 5 – Chairperson: Mr. John Adlington - HSE</td>
</tr>
<tr>
<td>3.20 – 3.45pm</td>
<td>CPD Without Walls</td>
</tr>
<tr>
<td></td>
<td>Monica Fitzpatrick - CPD Officer, HSCP</td>
</tr>
<tr>
<td>3.45 – 4.00pm</td>
<td>The 4th Industrial revolution: how technology will transform the way healthcare is delivered</td>
</tr>
<tr>
<td></td>
<td>Mark Leftwich - Cardiac Services/Philips</td>
</tr>
<tr>
<td>4.00pm</td>
<td>Closing Remarks</td>
</tr>
<tr>
<td></td>
<td>Brian Kearney – Chairperson, BEAI</td>
</tr>
</tbody>
</table>

Accredited By:
ABSTRACTS
Bas Van Breugel – Director of Sales and Market Development Services at Philips Health Systems.

Bas van Breugel is Director of Sales and Market Development for Services as part of the Patient Care and Monitoring Solutions division within Philips Healthsystems. Bas works globally to drive, expand and innovate the Service Portfolio and is responsible for a team of Marketing Managers, Sales Development Managers and a Sales Support team. The team is working very closely with customers around the world to discuss needs around current and new services.

Bas is a qualified Bio-Medical Engineer, he worked at Drechtsteden Hospital before joining Philips as a Senior Response Centre Engineer in 1999. Bas moved on to work as a Technical Consultant for Medical IT Systems before becoming Business Manager for Enterprise Patient Informatics Solutions. After a couple of years as Director for Field Marketing with responsibility for Europe, Middle East and Asia, Bas took up his current role in January 2015.

He is based in Boeblingen, Germany.

Abstract:
Bas van Breugel will present on the range of integrated systems currently in place and being managed by biomedical engineers. The systems allow healthcare professionals many opportunities for data capture, delivery and analysis, there are, however, risks alongside the advantages. Bas will discuss the European perspective on systems in general and cybersecurity, providing recent examples of issues faced by healthcare institutions in Europe.
Richard Corbridge is an expert in healthcare strategy and technology recognised by the industry globally. Since December 2014, Corbridge has been the Chief Information Officer for the Health Service Executive in Ireland and Chief Executive Officer for eHealth Ireland. He has been involved in the Health and Clinical Research Information sectors, leading various informatics delivery functions since the late 90s. Corbridge has a passion for business change and benefits management in health and very much insists on a focus on engagement and benefits being brought to technology implementation.

Corbridge has led the delivery of a wide range of systems and processes to aid the provision of healthcare and research. These range from the first primary care messaging system in the NHS, to a health and social care single assessment process within a care trust and modernisation of the information systems' infrastructure for the delivery of clinical research throughout England.

In 2015, Corbridge was named the 5th most influential CIO in Europe by CIO magazine. He was listed by Computer Weekly as a rising star of the IT Industry, where they specifically called out the speed by which the health system in Ireland was moving towards adoption of an eHealth fabric under his guidance.

Richard was named by the Huffington Post as one of the most ‘Social CIOs’. Richard was placed in the top 5 of the CIO 100 and was placed number one in the category of Health in the CIO 100 2016. To see the daily ins and outs of his work follow him: @R1chardatron
Technology as an enabler for patient discharge

Dr. John Sandham CEng FIHEEM MIET

John is CEO of TBS GB Ltd; managing technology in over 100 hospitals, chairman of the EBME community website (www.ebme.co.uk) and chair of the annual EBME Seminar.

Over the past 25 years John has always been concerned about how poorly Healthcare Technology is managed internationally and striven though his businesses and academic research to understand the issues, culminating in his award of a professional research Doctorate, and Visiting Senior Research Fellowship at Middlesex University.

John is excited to be taking up the new role of Research and Development Director with TBS GB with effect from 1st October 2016. This will involve working with stakeholders to continue to improve and refine Healthcare Technology Management. This includes procurement of products and services; User Training processes; Maintenance Methods; and Governance.

John believes in sharing best practice and is a respected professional, called to speak at many professional events. He has published over 150 educational articles which all appear on www.ebme.co.uk; sharing his knowledge and raising the profile of healthcare technology management and how technology can impact on organisational productivity.

Abstract:

Senior politicians and Healthcare Executives accept that healthcare technology can assist with transformational improvements. By using modern equipment and software, and using Artificial Intelligence software systems (AI) we can access the data, analyse the data, and put 24/7 high level nursing care at every bed thereby reducing pressures on nurses and doctors and improving discharge decision making.

Using Artificial Intelligence software to monitor the patients and to respond quickly to changes in their condition, lead to lower cost models of care with the assurance of 24/7 high quality technology support.
Prof. Shankar Krishnan has over thirty years of broad spectrum international professional experience in biomedical engineering education, research and development, medical product design, clinical engineering and project management. He served in management positions in academia, medical devices industry and hospitals. He has held faculty appointments in Illinois, Miami, Singapore and Boston. He is the founding Director of the BME Department and an established chair and professor at WIT in Boston. At NTU in Singapore, he was founding Director of the BME Research Center and founding Head of the Bioengineering Division. He worked in R&D at Coulter, hospital design and operations management at Bechtel for Healthcare mega projects and as Assistant Director at Massachusetts General Hospital, a teaching affiliate of Harvard Medical School.

Prof. Krishnan has numerous publications and has given invited talks at several international conferences. During the past 12 years, he has significantly contributed to development of new activities of IFMBE worldwide and to the overall welfare of IFMBE. He keeps active memberships in IEEE EMBS, AAMI, BMES, and ASEE. He was selected to Phi Kappa Phi and Sigma Xi honour societies, and is a Fellow of AIMBE. He was a member of a team which received the CIMIT Kennedy Innovation Award.
Michael Ross has worked within Biomedical engineering for the past 25 years. He is the Head of Medical Technical Services for the Southern Health and Social Care Trust in Northern Ireland, a post he has held since 2006 with responsibility for clinical engineering in five sites across the Trust. Within the main site Craigavon Area Hospital he has management responsibility for three departments which include EBME, Critical Care and Decontamination. A significant part of his role is in managing contracts with external firms for the service of medical equipment and in representing the Trust in numerous regional tenders relating to the purchase or service of medical equipment. He has had previous ‘hands on’ experience in the Royal Victoria Hospitals’ Cardiology Electronics lab where he worked on the maintenance of medical equipment including defibrillators, monitoring and infusion equipment. Michael has held Incorporated Engineering status for over ten years and in 2010 he completed a Post Graduate Diploma in ‘Health Care Management’ and a Master’s in Public Administration in 2011 reflecting his changing role in the management of people and equipment contracts, with minimal ‘Hands on’ work. Michael feels passionate about the provision of an excellent best value equipment management service within his trust.

Abstract:
Health service within N. Ireland is provided by Five Health Care Trusts each covering specific areas and including primary and secondary care. This presentation will briefly discuss the formation of the Southern Trust and the management of medical equipment maintenance within the Trust including in-house and external contracts. The Southern Trust has the 2nd largest population in N. Ireland, the highest birth rate and highest projected growth in over 65 population which presents a greater reliance on the use of medical equipment at a time when budgets are continually squeezed and greater emphasises on cost effectiveness.
Reinventing the Wheel: Home Haemodialysis Therapy

Paul Lowe

Paul is a graduate of Dublin Institute of Technology. Since 1987 he has worked in Beaumont hospital where he is now Principal Clinical Engineering Technician and manager of the clinical engineering team. He has extensive experience across all clinical areas but his special interest remains within Renal Dialysis. This includes haemodialysis, CRRT, water treatment systems and technical responsibility for the home haemodialysis programme. Paul has Co Chaired the biennial cross border renal technical meetings and has also contributed articles to The BEAI Spectrum.

Abstract:
A review of Home Haemodialysis past and present. A look at the evolution of technology over the last 40 years. Why now is the Home Hemodialysis treatment modality available? What does the future hold for this dialysis modality.
Liam Hackett studied Aeronautical Engineering in Kevin Street and graduated in 1977. For the next 8 years, he worked in the aircraft industry as an Aeronautical Maintenance Engineer. In 1981, he moved to Gulf and Western and spent two years maintaining computer numeric equipment in the engineering industry. Liam spent the following 2 years with Ericsons and gained valuable experience in the communications field.

In 1985, he joined the former Midland Health Board and during his time in the Health Service, has been responsible for setting up and managing a unique Clinical Engineering Department in the Midlands as it is the only Clinical Engineering Department nationally that provides full technical support to medical devices in both the community and acute Health Service setting. During his career in the Health Service, he has gained vast experience in supporting medical devices, particularly medical devices in the community, utilising in-house support model in the Midlands and he has being involved in auditing the National HSE outsourced support contracts for HSE community medical devices. He is presently the National Medical Equipment Advisor Community Services.

Abstract:
Liam’s presentation today looks at the evolution in community healthcare technology which will result in changes in patient care models. It will also look at the resulting changes that are occurring with medical devices in the community and focuses on the changes required within the Health Service to provide a cohesive Clinical Engineering service in the community environment to support the present day needs and future requirements of the ever changing community equipment landscape.
Distance measuring trolley for rehabilitation of patients with respiratory disease

Pierluigi Ravese

Pierluigi Ravese is a Clinical Engineer at St. James's Hospital. He received his Bachelor's Degree in Clinical Engineering from Sapienza University of Rome in 2011, followed by a Master's degree in Bioengineering from Roma Tre University in 2013, with his thesis on the Design and Development of a wireless ECG sensor based upon Low Energy Bluetooth technology. He joined the department of Medical Physics & Bioengineering, St. James's Hospital in October 2015.

Abstract:
Background
Currently, wearable device such as pedometers or accelerometers can be used for assessing the physical patient activity. However, due to the requirement for signal processing to extract the distance this technique may not be accurate enough for this clinical purposes.

The Distance based walk test is one of the most adopted methods for evaluating the physical capacity of patients with respiratory disease. During the test, the patient needs to pull a wheeled oxygen cylinder and a measuring wheel (Fig. 1) to measure the distance ambulated.

Method
The purpose of the proposed project is to design a microcontroller based distance measuring trolley. The distance travelled by the patient is measured using an optical detector and displayed to a LCD display.

An ATmega328 microcontroller was chosen because of its functional hardware and software prototyping features through the use of the Arduino board. The optical detector, shown in figure 2, comprise a photo-interrupter and an index disc.

The photo-interrupter uses an optoelectronic transmitter/receiver pair to convert the rotary motion of the index disc, aligned with the trolley wheel, into a sequence of digital pulses. Finally, the count of the number of pulses is multiplied by a calibration factor to display the distance travelled on the LCD display.

This solution (Fig. 3) has the ability to combine the oxygen cylinder trolley with the measuring system, to facilitate gait rehabilitation and maximize patient comfort.
Ammone Breth Monitoring Phase 2
Clancy Carrerra Bage

Clancy Carrerra Bage is a medical student of the 2017 class at University College Dublin School of Medicine and Medical Science. This summer, she participated in a research to demonstrate and validate the clinical potential of an Ammonia Breath Monitoring (AmBer) device for monitoring patients with chronic kidney disease at St. Vincent’s University Hospital under the supervision of Prof. Alan Watson (Consultant Nephrologist), Dr. John Holian (Consultant Nephrologist) and Mr. Frank Kelly (Principal Clinical Engineer) under the Green Light Project. She received training to conduct the ammonia breath testing and since then, has been responsible to perform the ammonia breath testing and gather relevant data under supervision of her mentors.

Abstract:
The Green Light Project is an initiative to expand the use of breath tests in patient care. As the patient-centred care model takes priority in the healthcare system, point-of-care testing and non-invasive technique for monitoring patients with certain diseases has become more preferable than invasive tests which would also require time for specimen to be investigated and results to be presented back to the patient.

The Green Light Project recognises ammonia as a potential biomarker as renal function and its level is measured by Amber through its ammonia-sensitive polymer. The convincing correlation between data collected via the AmBer technology and currently established clinical tests to monitor disease progression is the driving notion behind the project. As the project is still on-going, discussion from a previously conducted research will also be focused on during the presentation as an evidence of the clinical potential of the AmBer device in patient monitoring.
**Medical Device Equipment; Group – Initiative**

*Peter Grainger*

Peter is Dublin Midland Hospital Group Lead for Medical Devices Equipment in the Health Service Executive; and Vice Chair for the Irish National Medical Devices Equipment Management Committee. Peter is the Inceptor, and so too one of the 4 founding members, of the – Biomedical Engineering Association of Ireland.

Peter also is Principal Physicist / Clinical Engineer; Head of Department of Clinical Engineering, Medical Physics, Facilities, Medical Illustrations and Special Projects in Naas General Hospital.

Peter is Chair of the Electro Technical Council of Ireland Technical Committee - Electrical Equipment in Medical Practice, ETCI TC 10, and The National Wiring Rules for Medical Locations - which has National responsibility for mirroring IEC & CENELCE’s TC 62 and TC 64 Standards Committees at International Level; through the National Standards Authority of Ireland.

He has been on Dublin Branch as board member of IMPACT for 8 years; and Chairperson of a number of Vocational Groups.

He has been a part time college lecturer in Electrical Engineering in DIT for 5 years.

He has also been involved with Project Management of hospital design, build, equip, install and commission in one of the largest such project to date in Ireland; and has worked in many medical scientific, technical and managerial roles in Europe and the Middle East for lengthy periods of time.

*P. Grainger; L. Hackett; M. Knowles; T’O Callaghan; - Dublin Midland Hospital Group.*

In 2009 the National Medical Device Equipment Management Committee (MDEMC) was established. This is a multidisciplinary committee with responsibility for Policy and Guidance in the field of medical device equipment governance and management. Shortly thereafter four Regional Medical Device Equipment Management Committees were established to replicate the Regional Health Service’s acute infrastructure in place at that time. Its role was to act as a conduit from the National MDEMC and Local Hospital MDEMC’s; and to develop a more focused understanding of National Policy and Guidance Documents.

With the realignment of those Regions to reflect modern Health Care delivery models of Group/Trust formations and practices in 2015, so too were the Regional MDEMC’s reorganised to become Group MDEMC’s.

This presentation outlines initiative’s developed by the Dublin Midland Hospital Group; and exults the benefits of having a National MDEMC structure with individual Group Medical Device Equipment Committees supporting local hospital committees.
Suzanne is Healthcare Practice lead with PwC in Ireland with over 20 years’ experience within the life sciences and health-care sectors, at both national and international level.

Much of Suzanne’s career has focussed on delivering transformation through technology, and she has held CIO positions in both the public and private sectors. Most recently Suzanne held the role of Director of Quality with the Mater Private Healthcare Group and her Board level experience also extends to the Education and NGO sectors.

As a Director of Change Management and senior regulator with the Health Products Regulatory Authority (HPRA) for over 15 years Suzanne also has a strong background and experience of Irish healthcare policy, together with practical experience of regulation both in Ireland and Internationally.

Abstract:
The focus of Suzanne’s presentation is the imperative for the Irish healthcare sector to move forward with the technology agenda, and exploring the potential risks of failing to do so. Using the provocative title ‘Change or Die...’ Suzanne will explore the implications for patient safety and quality of service arising from technology adoption and discuss the convergence of the clinical engineering environments with traditional back-office healthcare solutions.
Continuous Professional Development (CPD) can be any activity where an individual learns new skills or enhances knowledge relevant to their professional role, whether that learning takes place in a formal or informal setting. Once patient safety is the beneficiary of professionals keeping abreast of changes and developments in their field, then we are in the right place to be open to learning outside of structured education, whilst keep patient safety at our core.

Today, we will be looking at CPD without walls, based on a slide presented by Meabh Smith (BEAI) at a joint CPD event in 2016. There are three phases we will be working with in the light of CPD and informal learning. (i) Purchase Phase, (ii) Use Phase (iii) Replace Phase.

At every stage there are opportunities for Biomedical and Clinical Engineers to enhance core competencies and develop advanced learning, whether it is through reflection or informal conversation with colleagues. We can evidence that learning through a variety of measures that are not based on formal certificates. Professionals within the HSE are participating in CPD regularly, and with or without walls is it vital to record your learning outcomes and evidence that learning, for yourself, your profession, your career development, and ultimately for patient safety.
Mark Leftwich is the Business Marketing Director for Philips in the UKI, tasked on developing equipment & services for the HSE and NHS to both improve the quality of care provided whilst reducing the associated costs. Mark has a specific interest in how to utilise digitally connected health solutions to transform the way care is delivered in the future, both within an acute environment and increasingly to deliver supported self-care in the home. He has worked at Philips for 13 years in various roles in the UKI and Amsterdam.

Abstract:
An overview into how Philips expects the Industrialisation of Care and Personalisation of Care to be enabled at scale through digital transformation.
Cardiac services

Putting service at the heart of healthcare

Cardiac Services supply innovative, quality healthcare technology and solutions to the hospital and pre-hospital market place, throughout the UK and Ireland.

Hospital
Providing intelligent medical devices and integrated clinical IT solutions.

Working in partnership with you to enhance patient safety and clinical effectiveness throughout the hospital.

Therapeutic & Simulation Solutions
Providing innovative medical diagnostic, educational and therapeutic solutions.

Working with you to enhance patient safety and save lives.

www.cardiac-services.com | twitter | facebook | linkedin
Talk to us

Dublin: +353 (0)1 8307499
Belfast: +44 (0)28 90669000
www.cardiac-services.com

Service & Education

Delivering Manufacture certified service and support, whenever and wherever you need it.

Delivering innovative training and education services to hospital & pre-hospital markets.

All your training and education needs across the spectrum of hospital and community care.

Clinical IT / Healthcare Informatics

Delivering smart and simple solutions for connected systems and data reporting.
The right information to the right people at the right time.

SISKhealthcare
Committed to patients Everytime, Everywhere

Supporting patients from hospital to home

Trilogy 100
The Trilogy device is a multi-platform ventilator designed for use with invasive and non-invasively ventilated patients. It can be used on patients from 5kg up and with the adjustable trigger will allow ultimate comfort for all patients.

Trilogy ventilators are designed for use in the home, hospital and alternative care sites and provide volume and pressure support ventilator support for a wide range of adult and paediatric patients.

Monnal T60
Monnal T60 provides high quality care for the successful treatment of patients. Medical teams can effectively adapt the treatment to meet the needs of their patients: high performance of invasive and non-invasive ventilation, automatic transport ventilation, volume and pressure modes, CPAP and pressure support modes.

Monnal T60 integrates the Monnal technology platform which facilitates a rapid transition from emergency to intensive care.

For more information please contact us at:
Tel: +353 (0)1 809 1800, l CALL: 1850 240202 (ROI only), Fax: +353 (0)1 829 3966,
Email: healthie@airliquide.ie www.ie.airliquide.com

Our Capital Equipment and Technical Service Division
focuses on the supply and support of a large range of medical devices. We represent premium manufacturers such as CareFusion, Belimed, Care Essentials, AT-Os, Aerogen, Em-Med, Medec, Hawo and Dr. Weigert. This division is heavily supported with a skilled and experienced team of Sales Reps, Engineers and Clinical Educators.

Come visit us at our stand at the BEAI Conference

Aquilant Medical

Aquilant Medical is a leading provider of specialist products and service to the Irish healthcare sector. We specialise in sales, marketing, distribution, education and technical support.

Belimed

Infection Control

CareFusion

Aerogen

Dr. Weigert
STEELCO ARE THE LEADING SUPPLIER OF FLEXIBLE ENDOSCOPE AUTOMATED REPROCESSING SYSTEMS WITH A COMPLETE TRACEABILITY SOLUTION FOR ENDOSCOPE WASHING, DISINFECTION AND STORAGE.

SOPRO COMEG ARE THE COMBINED LEADERS IN VIDEO ENDOSCOPY. SOPRO IN MEDICAL VIDEO IMAGING & COMEG IN ENDOSCOPE ENGINEERING AND MICRO LENSES. OUR GOAL IS TO PROVIDE THE SAFEST AND MOST ADVANCED TECHNOLOGIES THAT ENSURE RELIABLE OPERATING PROCEDURES & RAPID RECOVERY.

COMPLETE RANGE OF SPORICIDAL DISINFECTANT SOLUTIONS FOR THE DECONTAMINATION OF NON-LUMENED MEDICAL DEVICES & FOR REQUIRED TRACEABILITY OF CLEANING PROCESSES.

SCOPECONTROL IS THE WORLD’S FIRST AND ONLY FULLY AUTOMATED MEASUREMENT DEVICE FOR TESTING THE OPTICAL FITNESS FOR USE OF RIGID ENDOSCOPES IN THE HOSPITAL WORKFLOW.

PHILIPS ULTRASOUND FROM ULTRA-PORTABLE TO PREMIUM, COVERING THE FULL RANGE OF APPLICATIONS IN RADIOLGY, OBSTETRIC & CARDIAC IMAGING SOLUTIONS.

REALTIME DELIVERY OF DATA INCLUDING ENERGY, GAS & WATER MANAGEMENT. AN EASY TO READ CUSTOMIZED DASHBOARD, ALLOWING ENERGY COST REDUCTIONS AND PROVIDING EASY COMPLIANCE REPORTING & LEGIONELLA AWARENESS.

INNOVATIVE PATIENT MONITORING SYSTEMS DESIGNED TO IMPROVE PATIENT CARE. MODULAR PATIENT MONITORING & TELEMETRY SYSTEMS THAT ENSURE IMMEDIATE ACCESS TO COMPREHENSIVE PATIENT DATA & ENABLE YOU TO CUSTOMIZE MONITORING TO SPECIFIC PATIENTS.

CONTACT FREE CONTINUOUS MONITORING FOR EARLY DETECTION OF PATIENT DETERIORATION; PREVENTION OF FALLS; PREVENTION OF DECODIBIS IN PATIENTS.

BRENNAN & COMPANY
61 Birch Avenue, Stillorgan Industrial Park, Stillorgan, Co Dublin
Tel: +353 1 295 2501 Fax: +353 1 295 2333
email: enquiries@brennanco.ie www.brennanco.ie

For decades, scientists have been searching for the missing link.
We have it.

The Dräger Remote Service Link.
Today's fast-paced medical world doesn't allow much time for downtime or lengthy repair of devices. The Dräger Remote Service Link supports biomed to better leverage their service responsibilities. Dräger's Remote Service offering provides a proactive approach to equipment service – for a cost-efficient maintenance, better uptime and peak equipment performance. www.draeger.com

CONTACT US FOR MORE INFORMATION: TEL: 01 428 6400

Dräger. Technology for Life®
Caring for Life Since 1829

With a heritage dating back to 1829, Fannin has evolved into one of the leading suppliers of a wide range of pharmaceuticals and medical devices to the community and acute care sectors in Ireland and the UK. Our longevity has been achieved through a passion for service excellence and innovation.

As part of DCC VITAL, we have the financial backing of one of Ireland’s leading PLCs. We deliver confidence and trust, underpinned by our dedicated workforce. We work with the best products, the best organisations and the best people.

We look forward to continuing working with you or working with you in the future.

Proud Sponsor of BEAI

www.fannin.eu

Swiss-designed Innovative Technology

Cardiovit AT-102

The most important cardiopulmonary function tests combined in one single device

- 12 channel resting ECG
- Memory for up to 50 resting ECGs
- Basic exercise test capability
- Built-in monitor with display areas and on-screen status indicators
- Battery operation for 4 hours normal use approx. 300 automatic ECG printouts
- A4 formatted printouts - Uses thermo-reactive z-folded paper

BR-102 plus

Ambulatory BPM System combining outstanding accuracy and comfort

- Recording over 24 or 48 hours
- Voice recording of patient data
- Examination of adults and children thanks to a special algorithm
- Auscultatory and Oscillometric measurement.
- Cuff only inflates as much as needed - unit can barely be seen, felt or heard during use
- Integration with the SCHILLER Data Management System SEMA-200
- PDF generation

For further information or to arrange a no obligation demonstration contact Fleming Medical on FREEPHONE 1800 307 777 | info@flemingmedical.ie
UNISYN, a division of GE Healthcare, is a leading national provider of multi-brand ultrasound probe repair solutions. UNISYN supports your ultrasound programs by providing comprehensive, convenient and economic probe repair and exchange.

UNISYN provides you with:
- In-depth FirstCall probe testing services
- Extensive probe repair capabilities
- A variety of options for high quality probe repair and exchange
- Convenient access to probe loaners
- Rapid probe evaluation and repair turnaround

Advanced diagnosis through FirstCall™
FirstCall testing is integrated into our diagnosis and repair processes, and used to verify customer repairs every step of the way.

GE Medical Systems Ireland Ltd.
Unit 7, Centrepoint Business Park
Oak Drive, Dublin 12.
Service Centre: healthcare.serviceireland@ge.com
Republic of Ireland: 1800 992 557
Northern Ireland: 0800 0720 248


GE
Medical Systems

GSM
GS Medical Ltd

Unit 1, Suite 2
Shanowen Business Centre,
Shanowen Road, Sandyford, Dublin 19
Ph: +353 1 8230679
Fax: +353 1 6954606
Email: gsmmedical@eircom.net

www.gsmedical.ie
The NEW Karl Storz IMAGE 1 S Endoscopic Camera System-Future Proof your Investment

Ensures optimum performance and equal distribution of heat throughout the entire blanket
- Default temperature setting 38°C
- Low noise level (46 dB)
- Premium HEPA filter

Erbe Electrosurgical Systems:
- Customized
- Economic
- Forward-looking technology for all medical specialities.

The Blood & Fluid Warmer for Daily Use.
- Easy
- Safe
- Cost Effective

The Secure Paperless ‘Independent Monitoring System’ (IMS) Solution for Washers-Disinfectors & Sterilisers

Secure logging of Temperature & Pressure as well as other key performance indicators such as dose levels and conductivity, generating binary encrypted data files.

Maths Functionality - to calculate FO and AO values and to generate Pass/Fail messages after each cycle.

Calibration Correction - providing simple functionality to calibrate sensors.

Web view - Allowing remote viewing of live data from recorder at PC.

Automatic transfer of data to local server using FTP protocol.

Extraction of critical data for communication with Traceability System.
Congratulations to the BEAI on its 21st Anniversary.

Visit our stand at the BEAI annual conference this September 30th.

Manepa Medical
626B Jordanstown Ave
Greenogue Business Park
Rathcoole, Co. Dublin
P: +353 1 405700
F: +353 1 4059860
E: support@manepa.com

www.manepa.com

MDI Medical
Your partner in supply, installation and service of medical devices

MDI Medical Limited
Phone: 0818 27 4274
sales@mdimedical.ie
www.mdimedical.ie

Systems for Central & Endoscopy Decontamination Units
Small Clinics & Practices | Ward-Level Infection Control
Equipment | Consumables | Service Support

Competition Win 300€

to donate to a charity of your choice.
Simply register at our stand to enter.

This will make an enormous difference to a number of worthy charities.
Simple, Smart, Focused

With TE7’s compact touch screen and advanced features, including Needle Visualization, dedicated nerve exam presets, and TE7 transducers, the TE7 is an ideal system for nerve block and inoperative cardiac monitoring. The TE7’s intuitive workflow and sidearm touch screen, secured with a 10G screen locking feature for easy cleaning even during exams, makes scanning efficient for the demanding environment.

- Boot-up from standby in 3 seconds
- Seamless touch screen for easy cleaning
- Max three transducer connectors
- Built-in battery and wireless network
- Mobile trolley with retractable power cable

Advanced design:
- Intercostal Branchial plexus Median nerve
- Femoral nerve Needle
- L14-G14N with high frequency and resolution
- for nerves, muscles and vessels
- Excellent nerve and needle imaging
- Dedicated exam presets for Anaesthesia
- Middle line mark on linear transducers for out-of-plane approach
- Perspective cine view for 4D views
- Focused applications
- Endoscopic operation experience
- Touch screen gesture
- Needle Needle enhancement visualization

I-Zone: Enables accurate viewing of image for users from distance

Intuitive user interface

2014 Mindray Medical Electronics Co., Ltd. All rights reserved. Specifications subject to change without prior notice.

Supporting Irish hospitals since 1972, Oxygen Care provides a range of high quality medical equipment, with premium after-sales service and support.

Support for Life

Dublin Office:
2 Holfield Business Park
Kilmacanogue
Co. Wicklow
Tel: +353 (0)1 276 9700
Fax: +353 (0)1 276 4970
Email: sales@oxygen-care.ie

Belfast Office:
Wildflower Way
Boucher Road
Belfast BT12 6TA
Tel: +44 (0)2890 066 5539
Fax: +44 (0)2890 066 6379

www.oxygen-care.com
Luxtel’s focus is on a family of ceramic xenon short arc lamps trade marked CeraLux.

The No. 1 choice for replacement Xenon bulbs, Modules and Accessories in Ireland.

All Luxtel products are napped, offer great colour rendition and use safer materials than other lighting techniques. Quality is not compromised in our material selection, but costs have been designed out from our corporate structure from its inception. This narrow focus, and our nimble size, enables us to remain true to our goal of best quality, value and service in the industry.

Each year of business Luxtel has introduced new products and patents focused on quality illumination. Our products are designed to be durable and dependable within the environments in which they are used. As a result Luxtel has grown by concentrating on quality in our core technologies.

Luxtel is one of the leading suppliers to OEMs for their Xenon bulbs, modules and accessories.

Distributed by:
Rockford Healthcare
Unit 3, The Westway Centre,
Ballymount Avenue,
Dublin 12
Sales sales@rockford.ie
Service service@rockford.ie
Phone 01 450 9050
Fax 01 450 9060

A COMPLETE SOLUTION
Providing Clinical Expertise, Education and exceptional service ensuring the quality, safety and reliability of your health care service.

We believe in maintaining a quality of after-sales service equal to world-class products – this philosophy is shared by the whole team of trained engineers and technicians.
ULTRAMEDIC LTD

Ultradmedic Ltd; Suppliers of Fluke Biomedical Test Equipment.

Fluke Biomedical product range includes Defibrillator Analysers, Patient Simulators, Electrical Safety Analysers, Gas Flow Analysers and Infusion Device Analysers, some of which can be seen below.

Ultradmedic remain committed to the high quality of service we provide to our customers. As a Fluke approved company we are able to provide additional services including; Training, Technical Support, Aftersales Service and Rapid Turnaround on Service items. Ultradmedic is the sole exclusive service centre approved by Fluke USA for the UK and Ireland.

For specifications visit our website www.ultradmedic.com or for further information please contact Val Mansley: Tel: 44 (0)151 228 0354 Email: sales@ultradmedic.com

---

WATER TECHNOLOGIES

Think Purified Water Expertise. Think Veolia

At Veolia Water Technologies we are specialists in providing pure water solutions and services for Renal, Sterile Services and Endoscopy applications.

Our experience in producing pure water for healthcare spans over 80 years. Our in-house Service Support team and our dedicated Service and Commissioning Engineers can provide you with round the clock service 24 hours a day, 7 days a week.

Our solutions help to:
- Improve patient care
- Protect specialist areas of equipment
- Guarantee uninterrupted service
- Reduce operating cost and cancelled patient procedures
- Safeguard the safety and comfort of patients, visitors and staff

Total Water Solutions from Veolia Water Technologies
+353 (0)1 630 3333 sales.ireland@veolia.com
www.veoliawatertechnologies.ie
DECONTAMINATION EXPERTS
DEDICATED TO ENDSCOPE REPROCESSING

WASSENBURG OFFERS COMPLETE SOLUTIONS FOR ENDSCOPE REPROCESSING UNITS

- Double Chamber Manual Pre-cleaning Stainless Steel Sinks
- WD440 PT Pass Through Endoscope washer-disinfector
  With independent double bay system
- EndoHigh® PAA & Detergent Fast Chemical Combination
  Processes up to 12 x non-lumened endoscopes per hour
- DRY320 Drying & Conditioning cabinet
  Positions up to 10 endoscopes
- Endoscope Transfer Trays and Single Use Liners
- Process Manager Software
  Captures the EWD process data, scope inventory and IMS parameters
- Design Consultancy Considerations
- Dedicated Service & Validation engineers

Visit us in the Exhibition Hall today

As an OEM, we provide direct sales, rentals and after service via dedicated teams based here in Ireland. Our products and solutions have been tried and trusted here for over 40 years.

Part of the Getinge Group, a leading Global supplier of Extended Care, Infection Control and Medical Systems under the ArjoHuntleigh, Getinge and Marquette brands.