THE FINALISTS

WT | WEARABLE TECHNOLOGIES Heroes of the Year.

SPORTS & FITNESS

14/15 INNOVATION WORLD CUP

WINNER

SPORTS & FITNESS

StretchSense

by StretchSense Ltd., New Zealand

Athletes need sensors that can disappear into garments while providing accurate measurements of motion. StretchSense fabric sensors are the perfect field-ready solution for naturally measuring sports movements.

The sensors are lightweight, heavy duty, and connected to a Bluetooth circuit. When an athlete moves, the sensor stretches and an Android app displays real-time motion feedback. StretchSense also offers an exciting range of integration options.

The fabric sensors can easily be sewn, glued or clipped into clothing. Fabric also allows for a wide range of finishing options including different materials, colors and prints. These features make fabric sensors an attractive technology in the wearables industry. The sensing kit comes with a fabric sensor, a BTLE transmission circuit, a battery and charger, and a free StretchSense Android data capture app.

sales@stretchsense.co.nz | www.stretchsense.com

StretchSense

Heddoko

by Heddoko, Canada

Heddoko™ provides a solution composed of smart compression shirts and compression pants that track the movement of the body joints using textile embedded sensors. It is designed for amateur and professional athletes and will serve them as a virtual coach.

The smart garments will teach the athletes how to improve their techniques and avoid injury by capturing the full body movements, modeling it in 3D on their smart devices and giving them live coaching feedback. The full solution consists of the combination of the intelligent garments, a mobile application, a backend system, and a web portal to the full suite of analytical tools. The company was incorporated in June 2013, counting 17 team members including the co-founders. The current development stage is designing for manufacturing.

info@heddoko.com | www.heddoko.com

HEDDOKO

Mio FUSE

by Mio Global, Canada

Mio FUSE is a sleek all-in-one performance wristband that combines Mio's patented optical heart rate monitoring technology with the features of a sports watch and activity tracker. The wristband tracks distance, steps, calories, and goal progress throughout the day, as well as heart rate and pace during workouts. FUSE provides athletes with a more comprehensive look at exertion, recovery, and overall fitness than any other product on the market.

info@mioglobal.com | www.mioglobal.com

Companies listed in alphabetical order.

Notch Wearable Motion Capture

by Notch Interfaces Inc, USA

Notch is a wearable motion capture interface. Notch applications or "Powered by Notch" products provide anyone with a smartphone to benefits of 3D motion tracking. User places Notch modules on designated locations on their body, modules form wireless sensor network that streams data to smartphone via Bluetooth Low Energy. Notch system scales from 2 to 8 modules and enables reconstruction of 3D models of tracked limbs. Notch libraries add data interpretation based on user's biomechanics. Motion tracking and biomechanics features are accessible via Notch SDK and can be used by developers and product partners to offer highly focused, activity-specific motion tracking solutions.

connect@wearnotch.com | www.wearnotch.com

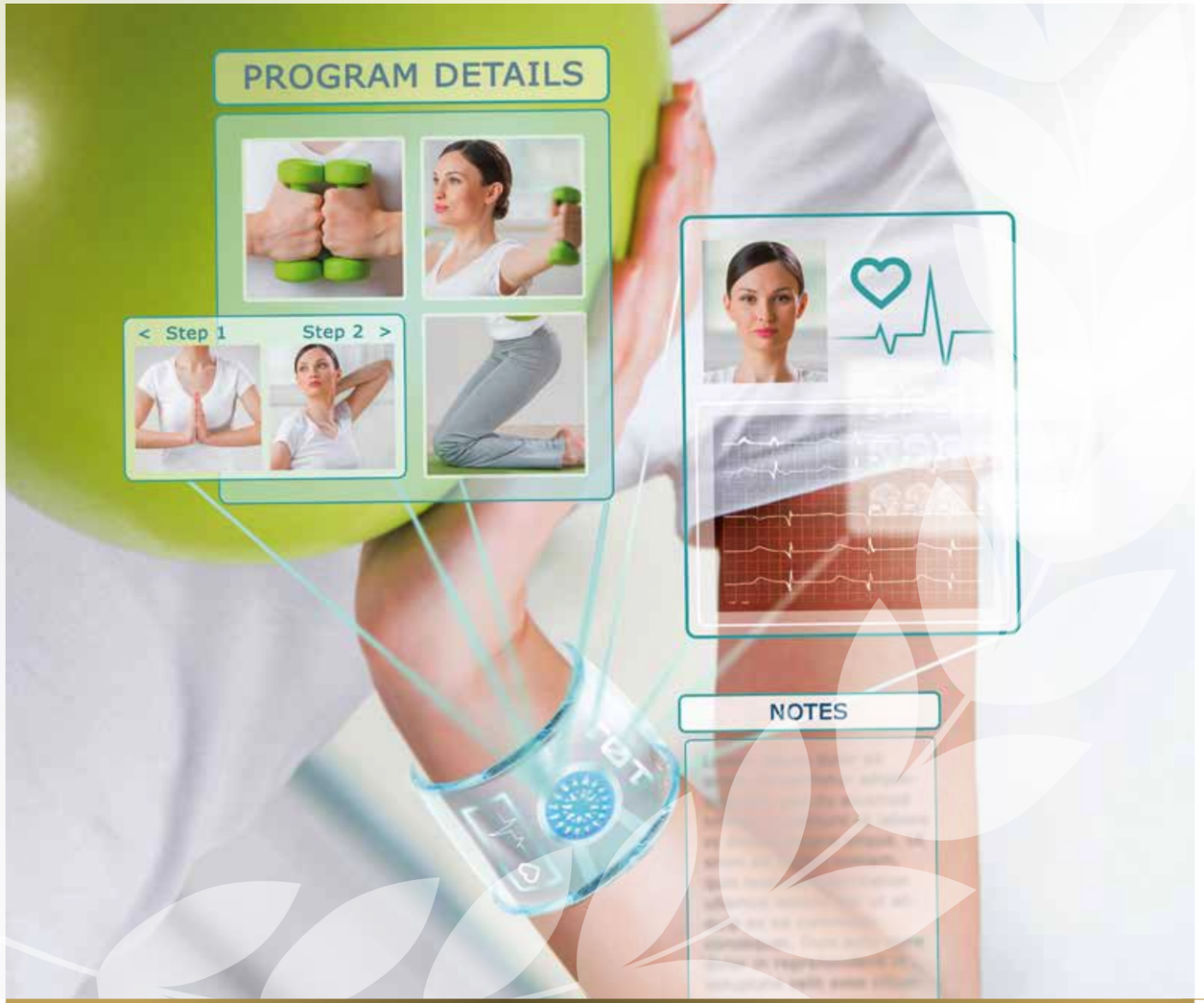
MYOVOLT

by Sentrix Technology Ltd., China

MYOVOLT™ is a new wearable electronic technology for the sports performance and sports therapy market. MYOVOLT™ is an innovative way to apply vibration energy directly to muscle, soft tissue and joints providing a wide range of physiological benefits. It has been developed by leading experts who have a proven track record in delivering wearable electronics tech to some of the world's best Olympic athletes. Medical research shows that increased sports performance and therapeutic benefits can be gained from applied and whole body vibration.

MYOVOLT™ uses a frequency range known to give an increase in muscle power and circulation but is unique in delivering the vibration energy directly to target muscles and joints via an innovative wearable format that molds around the body. MYOVOLT™ is applied using alignment straps, similar to sports braces, which fix the module's location but allow the wearer to move around freely whilst treatment is in progress.

info@myovolt.com | www.myovolt.com



14/15 INNOVATION WORLD CUP

WINNER

HEALTHCARE & WELLNESS

dermoPatch

by Feeligreen, France

Founded two years ago, Feeligreen is set to revolutionize both the pharmaceutical and the cosmetic industry with an electronically controlled medical device designed to actively diffuse drugs through the skin, in an ionized form. Known as active iontophoresis, this administration method uses a direct electrical current to cause ions of a soluble substance to move across the surface of the skin and diffuse into the underlying epidermis and dermis.

Measuring about 20x20mm and only a couple of millimeter thin, the compact electronic module driving the iontophoresis seats on top of a flexible printed electronics plaster with the right electrodes in place, doubling as the drug gel carrier.

This transdermic drug delivery platform has been proven to speed up drug diffusion by a factor of 4 to 10. One of the targeted medical applications is the prevention of bedsore prevention, and other segments currently under investigation cover a large range from controlled pain-relief to wound healing. In the cosmetic world, such technology can be leveraged for more efficient anti-ageing treatments or thinning and firming.

HEALTHCARE & WELLNESS

contact@feeligreen.fr | www.feeligreen.fr

feeligreen dermo-innovation

WEMU

by Bioserenity, France

Bioserenity's WEMU is a complete measurement solution for the diagnosis of Epilepsy. WEMU leverages Smart Clothing, innovative sensor technologies and Cloud computing to provide a comprehensive set of 35 measurement channels including Electro-Encephalogram, Electro-Cardiogram and Electro-Myogram. The solution includes Dry Sensors, Smart Textiles, a Smart App and a Cloud based diagnosis solution. Targeted to be deployed in Hospitals as a Point of Care medical device, the WEMU is the fruit of the collaboration between BioSerenity and Neurologists.

The development of the WEMU has received the support of 12 European and North American Hospitals. Indeed allowing long term home recording of Epileptic patients could reduce the time to diagnosis from 2 years to a few weeks, while reducing the overall healthcare costs. Bioserenity is a start-up located in Paris' largest hospital la Pitié-Salpetrière. The company was founded in 2013 and employs 15 people. It is the recipient of the International Innovation Awards, the Connectitude program, the World Wide Innovation Challenge Award and the Innovact Award.

contact@bioserenity.com | www.bioserenity.com

BIOSERENITY

BitBite

by BitBite, Israel

BitBite collects & analyzes nutritional data via supported, off-the-shelf Bluetooth headsets.

With BitBite, you eat with awareness: How much? How often? How fast? When? Where & What? BitBite helps you chew more, digest better, snack less, and recognize when your stomach is full. BitBite monitors your eating pace, quantity, frequency and location. BitBite enhances eating awareness; giving you better control of your diet.

The results:
- Lose weight
- Eat healthier with minimal compliance
- Monitor eating habits

etai@thebitbite.com | www.thebitbite.com

BitBite

UpRight

by UpRight, Switzerland

UpRight is a discreet wearable device that tracks posture in a simple and intuitive way through the magic of accurate real-time feedback. UpRight uses cutting edge technology to detect when you are slouched and gently vibrates reminding you to correct your posture. UpRight is intended to be used alongside a personalized training program that can be accessed on your smartphones with the UpRight mobile app. The app will guide you through the correct and effective usage of UpRight, celebrating your achievements, and motivating you to stay UpRight.

info@uprightpose.com | www.uprightpose.com

WinPack

by Winmedical, Italy

Winmedical S.r.l is a medical device company dedicated to the development, marketing and commercialization of an innovative, patented, modular and wearable continuous vital signs monitoring system for patients in low-acuity hospital care units and at home – WinPack. Winmedical's mission is to create world class wireless medical systems based on cutting-edge technologies for the wellbeing of the humankind. Winmedical has brought to the market WinPack, the modular medical device platform for continuous vital signs wireless monitoring of patients in hospital and at home - Win@Hospital and Win@Home.

WinPack connects clinicians, nurses and patients, improves care and safety of patients, streamlines workflows, reduces the risk of liability for medical staff, and drives cost efficiency in hospitals. At the heart of WinPack are the commitment to quality of care and innovation. Comfortable wearability and wireless technology of WinPack improve patient safety and wellbeing, while its modularity allows endless opportunities to continuously expand and innovate its platform.

info@winmedical.com | www.winmedical.com

SAFETY & SECURITY

14/15 INNOVATION WORLD CUP

WINNER

SAFETY & SECURITY

Tech-Air™ Street

by Alpinestars Inc., Italy

Alpinestars' Tech-Air™ is the world's most technologically advanced electronic airbag system for motorcycle riders and the first fully self-contained active protection technology to function completely independently of the motorcycle. With a highly advanced electronically controlled pyrotechnic inflation system, the full torso covering airbag vest is deployed in 25 milliseconds and is compatible with a range of outer jackets to offer the highest levels of protection and versatility, combined with true convenience and usability.

Its unrivalled protective capabilities are the result of years of R&D, hundreds of thousands of miles of road testing and a multitude of full-scale crash tests. Tech-Air™ offers critical rider protection on open roads, busy streets and even off-road adventure terrain whatever type of bike is being ridden. Alpinestars is the leading international motorsports apparel manufacturing company. Established in 1963, it remains the leading developer of performance protection for motorcycling, motor racing and mountain biking.

alpinestars@alpinestars.com | www.alpinestars.com

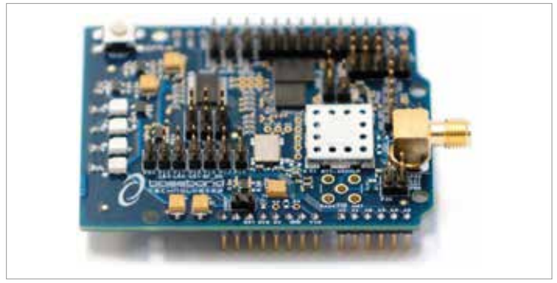
TECH-AIR™

Ultra Low Power GPS Technologies

by Baseband Technologies Inc., Canada

A McKinsey & Co. study once showed that a product six months late to market misses out on one-third of all its potential profit over the product's lifetime. With the wearable market projected to grow 2,000% faster than smart phones and with GPS being one of the most requested features, there are significant opportunities for those who can implement GPS without impacting the battery life or battery size. Our patent-pending, battery-friendly, software-based, always-on solution has been 7 years in the making and is available today. It uses hundreds of times less power than the traditional GPS chipset solutions and has near-zero impact on the battery life – one of the most important features the market wants.

Please view a demo to see how you too can win the wearable market with an ultra low power GPS solution.



info@basebandtech.com | www.basebandtech.com

Oncall Body Cameras

by FireCam, USA

Oncall® Live Video System enables police and firefighters to stream live video, audio, and their GPS location from Oncall® WiFi enabled cameras by tethering the cameras to a smartphone that has the Oncall® Live Video app installed. The video is streamed to viewers, such as command and dispatchers in real-time using the smartphone's 3G or 4G connection.

This patent pending technology is optimized for streaming over mobile networks and delivers the most reliable, low latency, high quality streaming possible, while keeping the cost of data low which is just over a dollar a day making it very affordable for emergency services. Departments can securely access the live video streams and GPS location of personnel and multiple viewers can watch in real-time from PC, iPhone /iPad, and Android devices. Oncall® cameras give the advantage of "knowing" rather than "guessing" what's happening live on the scene.

support@firecam.com | www.firecam.com

ProGlove

by First-Mile UG, Germany

ProGlove offers enhanced capabilities to its user by adding technology in form of a tool that is already used by the majority of workers – the glove. As a combination of a core computing unit that is designed as a wristband and a glove that includes an RFID antenna as well as low cost circuits, the ProGlove enables workers to work faster, safer, and opens up new level of business intelligence for production management.

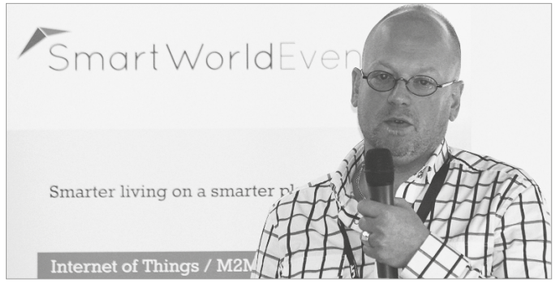
The four Munich (Germany) based founders are former IDEO and BMW employees. They combine Human Centered Innovation with production knowledge. ProGlove will be available for pilot implementation in Q2 2015.

founder@proglove.de | www.proglove.de

Ispopod

by Ulocs, Sweden

Ispopod is a belt, originally for men but we consider one for women as well. The belt in itself is a highly technical carrier of sensors and a sensor hub plus a full communication platform over GSM, BT, Wifi and Dash7. The sensors in the belt is based on an Ulocs platform, Ispopod is separately branded from Ulocs, and it contains 4 Bosch BMI160 acc/gyro chips plus a pressure sensor to add vertical height measurement. The output is a complete registration of the person that wears the belt and provide the markets most advanced security checks. The security checks include fall detection, force attack, strangulation, nausea, drug abuse or other physical illness symptoms based on the pattern recognition of body movements. The sensors pick up the movements from the body and can exclude movements created by various vehicles. The derived data is compressed and analyzed in the hub. If the result show any of the identified reactors then a compressed message is sent over radio to the designated receiver, being a wireless access point, a smartphone, over the cloud or a standalone receiver within 1.5 km from the belt/wearer using Dash7. The platform is design to send the message until signaled as received by an accepted counterpart. An SaaS is set to control the flow of information and secure the data.



ants@ulocs.com | www.ulocs.com

GAMING & LIFESTYLE

Smart Festival Wristbands

by Sendrato BV, Netherlands

14/15 INNOVATION WORLD CUP — INNOVATOR OF THE YEAR

14/15 INNOVATION WORLD CUP — WINNER GAMING & LIFESTYLE

Sendrato is a hard- and software company that designs and builds wireless wearable technology for enabling the Internet Of Things and People.

The Sendrato Smart Festival Wristband enables full wireless bi-directional connectivity with and between all visitors of very large events. Our product includes entertainment value by supporting two RGB LEDs that can be controlled by commodity Light Table equipment. By exploiting the bi-directional communication feature we support near real-time tracking of visitor location for crowd control purposes as well as visitor profiling. Social features, enabled by a single button, include "Likes" and Friend Connect between two wristbands.

Besides the active RF radio, a passive RFID chip is included. This chip is integrated with the microcontroller of the wristband to leverage the energy harvesting capability of the RFID chip to wake up the wristband. In addition, the RFID chip supports access control and cashless payments.

info@sendrato.com | www.sendrato.com

SENDRATO

WEES

by Deus Ex Technology, Italy

Wees is the first wrist-mounted finger gestures controller. It is a tiny module for watchbands that is able to learn and recognise different finger gestures and then act as a user-interface(UX). Current UXs are mouse, keyboard, touchscreen and voice-control. Technology is evolving but such UXs are not. Especially in the market of wearable devices there is a need for a new UX capable of controlling every electronic device with the minimum trouble. Therefore Deus Ex Technology's team found out a way to create a UX that does not require the user to touch any surface, that allows him to keep the hands free while using it and that does not require to look at any button, in other words a touch-free, hands-free and sight-free UX. Such innovation is called Wees. The company is based in London and now part of HAXLR8R.

info@youandwees.com | www.youandwees.com

Deus Ex Technology

COBI

by iCradle GmbH, Germany

COBI is the world's smartest connected biking system for everyone. COBI became famous with being one of the most successful Kickstarter campaigns in December 2014. It upgrades every bike with 100+ modern day soft- and hardware features and many new, advanced and unprecedented functionalities into your smartphone.

COBI imports the comfort from modern connected cars into the bike riding experience. There's an increased number of bikers on the roads and we believe the demand for a smoother, more comfortable and more enjoyable ride has definitely increased with it. The bike itself hasn't changed a lot, but the experience of riding a bike can tremendously be enhanced, if you go for COBI.

The team behind COBI is a Razorfish spin-off, full time top-tier professionals with Audi pedigree, operating from Frankfurt/Main, Germany and led by CEO and serial entrepreneur Andreas Gahlert. 11 investors and 6 partners support COBI to launch globally in summer 2015.

hello@cobi.bike | www.cobi.bike

COBI

Companies listed in alphabetical order.

Lutetia and Omate X

by Omate, China

Omate® is a hardware and software design company exclusively focusing on designing wearables. Omate operates as a vertically integrated design house based in Shenzhen - China. The company designs and retails ready-to-wear products that are presold throughout its online store via www.omate.com and sold via a portfolio of distributors worldwide.

Following the Omate X, the masculine version of its first companion smartwatch, Omate is expanding its line up collection with Lutetia, the World's first smartwatch designed exclusively for women. Lutetia responds to modern ladies' expectations, the elegant smartwatch pushes notifications to your wrist from any Android smartphone (→4.3) and iPhone (→iOS6) via Bluetooth Low Energy 4.0 (BLE) such as incoming calls, messaging, emails, social networking updates and many others. From design to engineering the Lutetia has been led by women. It is powered by the same technology as the Omate X (World's first smartwatch powered by an ARM MediaTek Aster chipset) but with a more premium positioning, look and feel exclusively targeting women fashionistas.

partner@omate.com | www.omate.com

TACTspace

by Tactonics LLC, USA

Tactonics, LLC is the first company to offer the world a revolutionary form of discrete, personal digital communication called Sensory Messaging or "Tacting." Sensory Messaging operates on existing cellular or internet network infrastructure and provides mobile phone users the option of voice-less, as well as text-less, communication. Imagine receiving a message from another cellular user that does not have to be read, heard or even seen.

Our Mission Statement is simple: We will give the world the purest form of digital communication, through never-before-seen products and services, while empowering American workers and honoring God. Tactonics will launch a mobile application called TACTspace and manufacture consumer electronic devices called TACTpucks equipped with Bluetooth™ wireless technology designed to pair with existing mobile phone technology and operate in existing cellular networks worldwide. If you are ready to experience Sensory Messaging for yourself, you won't have to wait long. Tactonics is ready to revolutionize communication.

edbugg1@gmail.com | www.tactspace.com

AiQ Smart Clothing

SPECIAL PRIZE SMART CLOTHING

14/15 INNOVATION WORLD CUP

WINNER

SMART CLOTHING

Sensoria Fitness Socks

by Sensoria, USA

Sensoria smart Fitness Socks are soft, comfortable and washable. Each sock has three novel textile-based pressure sensors under the plantar area of each foot to detect activity type and impact forces. Worn just like normal athletic socks, the Sensoria Fitness Socks are the first example of a truly wearable device that is part of each consumer's daily workflow.

A detachable anklet connects to the socks using an innovative magnetic clasp design. Data from the sock is wirelessly transmitted via Bluetooth Smart to smartphones running the Sensoria Fitness mobile application. The Sensoria technology accurately monitors data important to runners including cadence and foot landing technique to play a crucial role in reducing impact forces. The mobile application analyzes this data and provides intuitive audio and visual feedback to runners during their running sessions. For the first time, runners gain actionable real-time feedback not only on how fast and how far, but also on how well they run.

info@sensoriainc.com | www.sensoriafitness.com

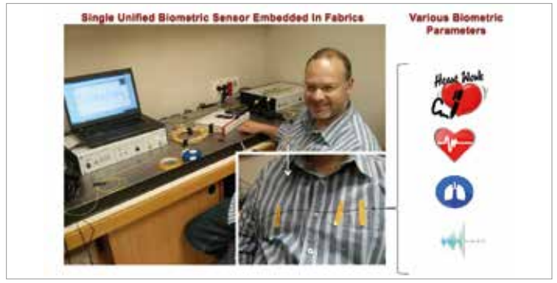
sensoria

FabriXense

by Bar Ilan University, Israel

The technology of FabriXense is coming from Bar Ilan University from the lab of Prof. Zeev Zalevsky and it involves novel approach for biomedical monitoring of a person via smart clothing. The clothing provides active and continuous measure of biomedical parameters such as heart beat rhythm, breathing and blood pressure. Our sensor is a fiber based and it is integrated into the closing while in order to perform the measurement no full contact is required between the skin of the monitored person and the smart clothing.

The operation principle is based on a unique (and patented) method for measuring via interference back reflections of light propagating through special optical fiber. The applications for the already experimentally validated concept can be sensing breathing of babies (when incorporated into sheets), biomedical monitoring for athletes etc.



zeev.zalevsky@biu.ac.il | www.eng.biu.ac.il/zalevsz

FabriXense

Main Partners

life.augmented

intel · VARTA · AiQ Smart Clothing · C. Schneider New Solutions

Cooperation & Media Partners

WT Wearable Technologies · Continua Health Alliance · MEDICA · ISPO MUNICH

TAITRA · Team Côte d'Azur Creativity for Business · Innovative City 2014 · Com4innov

csem · ALPICT Lake Geneva ICT Cluster Powering Business Innovation · PlugandPlayTechCenter.com · OULU BusinessOulu

YRITYS TAKOMO · IT2 Industry · Medical Valley · Paris Region Entreprises

INNOVATION WORLD CUPS

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WT | WEARABLE TECHNOLOGIES

www.wearable-technologies.com

Wearable Technologies AG is the pioneer and internationally leading innovation, market development and incubation platform for technologies worn close to, on or even in the body (wearable technologies). Since 2006 WT has successfully established an ecosystem of more than 3000 highly innovative companies, established market leaders, trade associations and innovation clusters driving business acceleration, technology marketing and innovation through global innovation competitions and roadshows, expert workshops and round tables, dedicated WT | Conferences and WT | Events in partnership with world leading trade shows.

29 April 2015

20 - 21 July 2015

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