



EPFL+TECAL LAB

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Zero Power Smart Fashion: Wearable Sensors and Green Energy

- Leading research labs and companies showcase their cutting-edge products and technologies at the intersection of fashion and science -

New York, NY (September 2014) – On September 10th, during New York's Fashion Week, the Zero Power Smart Fashion exhibition and symposium will showcase some of the latest products and electronic technologies the wearable tech and smart clothing community have to offer.

Organized by the **Zero Power Smart Systems Initiative of EPFL and ETHZ** in cooperation with **swissnex Boston**, the event will explore the future of electronic fashion with forward-thinking industry leaders, scientists and creatives.

“Our goal is to bring together the fashion and tech industries from both the US and Europe,” said Adrian Ionescu, Director Nanolab of EPF Lausanne & Chair of the Guardian Angels Initiative. Key international experts from leading universities and colleges will showcase visionary roadmaps and future evolutions of smart garments embedding sensing, computation, communication and energy functions.

“We particularly plan to have an emphasis on wearable autonomous systems, body area networks, smart garments (embedding low power sensors), smart textiles and wearable energy harvesting solutions,” said Adrian Ionescu. In Europe a large consortium of 66 academic and industry partners (<http://www.ga-project.eu/>) developed the concept of Zero-Power energy efficient systems that will be in the core of the exhibition. Applications cover **sport and fitness, prevention in healthcare, safety and security, and emotional systems** – all centered on a technology-enabled quality of life.

Zero Power Smart Fashion is taking place at the Metropolitan Pavilion's Gallery, at 125 W 18th Street, New York, NY on Wednesday, September 10th from 10:30am – 6pm. The exhibition is free and open to the public. Tickets are available at zpsmartfashion.eventbrite.com. More information and the agenda of can be found at www.zpfashion.org.

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About Ecole Polytechnique Fédérale de Lausanne and The Guardian Angels Initiative:

EPFL (Ecole Polytechnique Fédérale de Lausanne: <http://www.epfl.ch/>) is one of the two national institutes of technology in Switzerland. It delivers Master and PhD degrees in 13 engineering fields. With over 300 laboratories, the EPFL represents 13,000 people and an annual Budget of 850 million CHF. 150 start-ups were created on-campus since 2000. The Nanoelectronic Devices Laboratory (NANOLAB: <http://nanolab.epfl.ch/>) is working on various subjects in the field of silicon micro/nano-electronics with special emphasis on the technology, design, and modeling of low power nanoscale solid-state devices and their integration into smart micro/nano-systems. The mission of the group is to innovate at device and technology level, and develop electronic technology serving a new quality of life. The GA Initiative is a consortium composed of 29 European universities, 16 research organizations, and 21 industrial companies. It is led by Swiss Federal Institute of Technology's Nanolab, Prof. Adrian Ionescu, and was a finalist for the one-billion-euro prize by the European Commission in 2013. The GA team will develop technologies for extremely energy-efficient, smart, electronic personal companions that will assist humans from infancy to old age. These devices will be private and secure systems featuring sensing beyond human capabilities, computation, and communication. The projects will address global challenges related to health, aging society, safety, security, and transportation.

About swissnex Boston:

Established as the world's first "science consulate" in 2000, swissnex Boston is part of a global network of six knowledge outposts, including San Francisco (2003), Singapore (2004), China (2007), India (2009), and Brazil (2014). Together with science and technology counselors based in Swiss embassies around the world, swissnex Boston takes an active role in strengthening Switzerland's leadership as a world-class location for science, education, and innovation. In 2013 swissnex Boston opened an outpost in New York City. www.swissnexboston.org