



PRESS RELEASE

AT CES 2017, LETI TO UNVEIL MOST ACCURATE WEARABLE DEVICE FOR CONSUMERS TO MEASURE RELAXATION

*RELAX Headgear Provides New Dimension to Wellness Management
In Every Area of Life, From Working to Studying to Exercising or Just Sitting*

GRENOBLE, France – Dec. 12, 2016 – Leti, a technology research institute at CEA Tech, will demonstrate at CES 2017 a wearable device that takes measurement of brain-activity – alpha waves – out of the clinic and puts it into the hands of consumers.

Using electroencephalography (EEG) to record the brain's alpha-wave activity, the lightweight headgear called RELAX measures the level of alert relaxation with an embedded electrode system that does not require the sensors to be attached to the scalp.

Designed to allow users to maximize relaxation, the RELAX headgear provides a new dimension to wellness management in every area of life, from working to studying to exercising or simply sitting and reading or listening to music.

Medically certification-ready, user-friendly, affordable and non-invasive, it lets users monitor their own level of attention and enhance mindfulness. The RELAX app, which is connected to the head device, provides live tracking of alpha-wave activity.

“Leti’s manufacturing partners will develop our brain-computer and mental-focus technologies into full hardware-software concepts,” said Coralie Gallis, a Leti business development manager. “They will be able to develop a wide range of wellness devices and wearable sports- and fitness-related devices, such as wrist bands and chest straps.”

Future uses for RELAX include:

- Brain fitness (neuro-feedback): this powerful stress-management and sleep-enhancement technique improves a person's quality of life.
- Brain-computer interface: object command and control through thought is possible by reading brain signals when thinking specifically. Applications may include virtual reality, video games and remote assistance of disabled persons for controlling home-automation functions.
- Mental-focus monitoring: tracking concentration and level of attention in high-stakes occupational situations can save lives and prevent environmental disasters. Air- and road-traffic control, and highly efficient digital-learning tools are among the multiple applications of this technology.

Leti's team will demonstrate its breakthrough technologies at CES Unveiled on Jan 3, 5-8:30 pm, Mandalay Bay, South Pacific Ballroom, Las Vegas, Nev. Demos will then be available at Booth 50648-50650, in Eureka Park, during the entire CES show.



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Leti is a member of the French Auvergne-Rhône-Alpes regional delegation at CES 2017. For more details, click on the link: http://www.minalogic.com/sites/default/files/plaquette_ces2017_version_finale.pdf

About Leti (France)

Leti, a technology research institute at CEA Tech, is a global leader in miniaturization technologies enabling smart, energy-efficient and secure solutions for industry. Founded in 1967, Leti pioneers micro- and nanotechnologies, tailoring differentiating applicable solutions for global companies, SMEs and startups. Leti tackles critical challenges such as healthcare, energy and ICTs. From sensors to data processing and computing solutions, Leti's multidisciplinary teams deliver solid expertise, leveraging world-class pre-industrialization facilities. With a staff of more than 1,900, a portfolio of 2,700 patents, 91,500 sq. ft. of cleanroom space and a clear IP policy, the institute is based in Grenoble, France, and has offices in Silicon Valley and Tokyo. Leti has launched 60 startups and is a member of the Carnot Institutes network. Follow us on www.leti.fr/en and @CEA_Leti.

CEA Tech is the technology research branch of the French Alternative Energies and Atomic Energy Commission (CEA), a key player in innovative R&D, defense & security, nuclear energy, technological research for industry and fundamental science. In 2015, Thomson Reuters identified CEA as the most innovative research organization in the world. www.cea.fr/english.

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