

# THE MONTHLY LIST

MARCH 2017



## SES COOPERATES WITH LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY

**Under this new partnership, SES and LIST will cooperate through their international network of research partners with unique expertise in satellite communications (SATCOM), to transform basic research into innovative space applications. LIST will therefore become a close technology partner of SES in the development of pioneering SATCOM commercial products and services to inspire or “disrupt” the market with new satellite platforms, analysis tools and innovative ground infrastructure. The new cooperation framework complements and widens the scope of SES’s international research activities together with other reputable universities, such as the Luxembourg University Interdisciplinary Center for Security, Reliability and Trust (SnT).**

Picture from left to right: Jos Giannandrea (SES), Lucien Hoffmann (LIST), Gerhard Bethscheider, Jacques Noppene (SES), Fernand Reinig (LIST), Alan Kuresevic (SES), Frank Zimmer (SES), Thomas Schoos (LIST).

The first activities SES and LIST will focus on are related to the ‘Smart Space’ initiative, which includes research and development of applications in the context of High Performance Computing (HPC), aiming to establish a unique space ecosystem by building on Luxembourg’s competitive advantages, including global satellite communications and telecommunications networks, data centers and connectivity, and existing service providers. SES and LIST will also work on developing commercial applications in the areas of Internet of Things (IoT), e-platform solutions and optical communications. In addition, SES and LIST will jointly assess the development of competences in other satellite-related application areas, such as connected cars.

The new partnership agreement further enhances Luxembourg’s technology ecosystem by attracting start-ups to develop their businesses in Luxembourg, and will facilitate the transfer of new technologies stemming from national public and private research. Those activities will be done in close coordination with the existing national funding initiatives, such as the Digital Tech Fund, with SES being a key stakeholder.

“Innovation is not only the driving force of the satellite industry, but also of our society in general. We are therefore proud to be an integral part of a large network of leading institutions and research and development partners, which is paramount in developing our future. Our collaboration with LIST is a perfect illustration of how we can combine and augment our existing SATCOM knowledge in Luxembourg to increase the speed of innovation and to shape the future together,” said Gerhard Bethscheider, Managing Director at SES Techcom Services. “This partnership will contribute to the creation of the space applications ecosystem, and will further reinforce Luxembourg’s leading position in the space domain.

Fernand Reinig, Chief Executive Officer at LIST, said that “SES’s expertise in the space industry and our research and development activities organically complement each other. We are delighted to partner with this world-leading company and contribute to shaping a better future for the benefit of Luxembourg and society in general.”

# OTHER HIGHLIGHTS



## Europe

### MOVING TOWARDS A SUSTAINABLE AND INTERCONNECTED ECONOMY

The Third Industrial Revolution (TIR) is under way in the Grand Duchy. LIST, on 7 February, took part in a first European event in Brussels, centred around initiatives undertaken in Rotterdam, the French Hauts-de-France and the Grand Duchy. Deputy PM Etienne Schneider revealed the outline of our TIR initiative. LIST also took part in the Rev3 Days, an international event held from 8 to 10 February in Lille. It brought together more than 250 companies, investors and research labs from 30 countries. A great opportunity for LIST to present its focus areas and expertise through Aziz Zenasni's presentation. He underlined that "LIST's missions, its research activities, and programmes are aligned with the focus areas of the Luxembourg initiative on the TIR". [Learn more on www.list.lu](http://www.list.lu)

## Scientific excellence

### LIST WINS FOODTECH AWARD FOR WIKIFOOD®

On February 7, at the Food Summit, LIST won the FoodTech Award. This prize is awarded to a structure for its technological expertise and the innovative character of a service. WikiFood® is a collaborative platform that facilitates the exchange of information on food products between producers, retailers, nutritional experts and consumers. The involvement of citizens, producers and sellers has helped gathering information on more than 35,000 products. This award demonstrates LIST's ability to innovate for the benefit of Luxembourg inhabitants, improving the quality of life here. These objectives are in line with the axes identified by the Rifkin study: the establishment of new relations between consumers and producers, and the promotion of better consumption behaviours. [Learn more on www.list.lu](http://www.list.lu)



## Industry

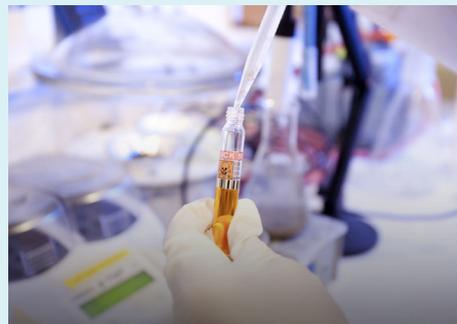
### LIST CONTRIBUTES TO THE DEVELOPMENT OF EUROPEAN RURAL AREAS

Agriculture is key to the development of rural areas. However, depopulation is jeopardizing these zones. NARA, an online training course, addresses this challenge. LIST and its partners want to help young people enter the labour market, and to support population settlement in rural areas. To this end, an online training course has been developed, its design based on a comprehensive analysis of young farmers' training needs in relevant areas of knowledge such as food safety and post-harvest technologies. To help deliver this project, LIST carried out an analysis of the training needs of young farmers, designed the content of the transport & logistics module, and ran a pilot session. [Learn more on www.list.lu](http://www.list.lu)

## Education

### LIST PARTNERS UP WITH PM-INTERNATIONAL TO REWARD GROUND BREAKING RESEARCH ON FOOD BIOINNOVATION

LIST's Luxembourg International Award in Bioinnovation 2017 (LIAB award), sponsored by PM-International, honors ground-breaking research papers submitted or published after 1 January 2014 in domains such as bioavailability or nutrients, nutrient transport and nutrient effectiveness on a cellular level. The call is open worldwide to all academic ranks until 15 June 2017. The selection process will be organized by a jury composed of academics from LIST as well as international experts, who will reward the winner project with 10,000 EUR at the award ceremony on 23 November 2017 at Belval, Luxembourg. [Learn more on www.list.lu/liab-award](http://www.list.lu/liab-award)



## WHERE TOMORROW BEGINS

Located at the heart of Belval's Research & Innovation Campus, LIST can ideally connect its over 500 specialists in materials, environment and IT, including its more than 70 PhD students, through a broad range of joint projects, programmes and partnerships with virtually all of Luxembourg's other major research players. At Belval, the University of Luxembourg, LIH, LISER, Technoport, Luxinnovation and the Luxembourg National Research Fund are all literally within arm's reach.

**LIST.LU**

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