

# LETI DAY

OCTOBER 11, 2017

KEIO PLAZA HOTEL, TOKYO



08:55 **Welcoming address**, Mr. Yann Gallais, Representative in Japan, CEA-Tech

09:00 **Leti institute, an IT & electronics technology innovation enabler for the future of industry**, Dr. Marie-Noelle Semeria, CEO, CEA-Leti

09:30-10:00 **Startup corner & demonstrators**

## ADVANCED SILICON SOLUTIONS

10:00 **Partner testimony/ Accelerated innovation through strategic collaboration: a view from an equipment supplier**, Dr. Olivier Vatel, Senior Vice President, CTO and Corporate Director, SCREEN Semiconductor Solutions Co. Ltd.

10:15 **Leti's advanced silicon solutions and platforms**, Mr. Fabrice Geiger, Head of Silicon Technologies Division, CEA-Leti

10:25 **Leti's lithography programs: synergies to support innovative technology development**, Mr. Laurent Pain, Patterning Program Manager, Silicon Technologies Division, CEA-Leti

10:35 **Partner testimony/ Overview of Ipdia/Murata activity and collaboration with Leti**, Dr. Franck Murray, President at Murata Integrated Passive Solutions

10:50 **Technology innovations for passive components**, Mr. Christophe Billard, Head of RF Components Laboratory, Silicon Components Division, CEA-Leti

11:00 **Industrial partnership with Leti: an incubator of technologies**, Mr. Michael Tchagaspanian, VP Sales & Marketing, CEA-Leti

11:15 **Startup pitch decks**

11:45-13:15 **Lunch, Startup corner & demonstrators**

## TECHNOLOGIES FOR AUTOMOTIVE

13:15 **Keynote speech/ Semiconductor device technologies for automobiles**, Mr. Noriyuki Iwamori, Director, Advanced Research and Innovation Div.2, Advanced Research and Innovation Center, DENSO Corporation

13:45 **Latest innovations about sensor fusion for autonomous driving**, Mr. Michael Tchagaspanian, VP Sales & Marketing, CEA-Leti

14:00 **Optics and photonics: key enabling technologies for tomorrow's vehicles**, Mrs. Sylvie Joly, Business Developer, Optics & Photonics Division, CEA-Leti

14:15 **GaN on silicon technology: a new era for energy conversion**, Dr. Thierry Bouchet, Power Electronic Strategic Marketing Manager, Silicon Components Division, CEA-Leti

14:30 **New MEMS for autonomous vehicles**, Dr. Stephane Fanget, Head of MEMS Actuators Laboratory, Silicon Components Division, CEA-Leti

14:45-15:30 **Startup corner & demonstrators**

## ADVANCED COMPUTING

15:30 **Bringing intelligence to the edge**, Dr. Marc Duranton, CEA fellow, Architecture, IC Design and Embedded Software Division, CEA-Tech

15:45 **Emerging architectures for advanced computing**, Dr. Denis Dutoit, Strategic Marketing Manager, Architecture, IC Design and Embedded Software Division, CEA-Tech

16:00 **New memory hierarchy thanks to NVM**, Dr. Etienne Nowak, Head of Advanced Memory Device Laboratory, Silicon Components Division, CEA-Leti

16:15 **Silicon technology for quantum engineering**, Dr. Carlo Reita, Director, Nanoelectronics Technical Marketing and Strategy, Silicon Components Division, CEA-Leti

16:30 **Leti-Japan collaborations through H2020 programs**, Dr. Laurent Herault, VP Europe, CEA-Leti

16:45 **Closing remarks**, Dr. Marie-Noelle Semeria, CEO, CEA-Leti

# LITEN DAY

# LIST DAY

OCTOBER 12, 2017

KEIO PLAZA HOTEL, TOKYO



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- 08:55 **Welcoming address**, Mr. Yann Gallais, Representative in Japan, CEA-Tech
- 09:00 **Energy 4.0**, Dr. Florence Lambert, CEO, CEA-Liten
- 09:15 **Keynote speech/ PV technology development in the renewable energy area**, Dr. Hiroshi Morimoto, Director, Photovoltaic Power Generation Technology Research Association
- 09:35 **Energy production: premium solar cells and modules**, Mrs. Magali Davenet, International Business Developer, Solar Technology Division, CEA-Liten
- 09:55 **PV systems: an innovative approach for lower LCOE in Europe**, Mr. Franck Al Shakarchi, Head of PV Systems Laboratory, Solar Technology Division, CEA-Liten

10:15-10:40 **Coffee break**

- 10:40 **Keynote speech/ Toward realization of a hydrogen energy supply chain**, Mr. Taku Hasegawa, Hydrogen Energy Use Promotion Section, Project Promotion Department, Hydrogen Chain Development Center, Corporate Technology Division, Kawasaki Heavy Industries, Ltd.
- 11:00 **Storage solutions: recent advances in energy storage: battery & H<sub>2</sub>**, Dr. Laurent Antoni, Hydrogen and Fuel Cells Program Manager, CEA-Liten & Dr. Sebastien Patoux, Manager, Battery Technologies Section, Electricity and Hydrogen for Transportation, CEA-Liten
- 11:20 **Energy efficiency: multivector approach (gas, heat, electricity) & solutions for factory of the future**, Mr. Jean-Francois Fourmigue, Program Manager in Thermal Energy Efficiency, Thermal, Biomass and Hydrogen Technology Division, CEA-Liten
- 11:40 **Energy efficiency: additive manufacturing technology to enhance systems' energy efficiency**, Mr. Nicolas Bedouin, Business Developer, Nanomaterials Division, CEA-Liten
- 12:00 **Closing remarks**, Dr. Florence Lambert, CEO, CEA-Liten

12:00-13:00 **Lunch**

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- 13:00 **List's strategy towards a safe deployment of artificial intelligence**, Mr. Philippe Watteau, CEO, CEA-List
- 13:20 **Keynote speech/ The future of automotive: towards an empty car?** Dr. Tatsuro Ueda, Expert Leader, Mobility Services Laboratory, Research Division, Nissan Motor Co., Ltd.
- 13:40 **Deep learning: software and hardware for image understanding**, Dr. Marc Duranton, CEA fellow, Architecture, IC Design and Embedded Software Division, CEA-Tech
- 14:00 **Advanced image processing: new services and opportunities**, Dr. Stephane David, Head of Industrial Partnerships, Ambient Intelligence and Interactive Systems Division, CEA-List
- 14:20 **Data intelligence for advanced manufacturing**, Mr. Mounir Bakkali, Industrial Partnerships Manager, Metrology, Instrumentation & Information Division, CEA-List
- 14:40 **Innovative sensors technology**, Dr. Alexandre Bounouh, Head of Metrology, Instrumentation & Information Division, CEA-List

15:00-15:15 **Coffee break**

- 15:15 **List's solutions for nuclear industry**, Dr. Alexandre Bounouh, Head of Metrology, Instrumentation & Information Division, CEA-List
- 15:30 **Hardened electronics technology**, Dr. Thierry Collette, Head of Architecture, IC Design and Embedded Software Division, CEA-Tech
- 15:45 **Partner testimony/ ERMES, Bringing intelligence into irradiated zones**, Mr. Guillaume Dejavidan, President, ERMES
- 15:55 **Technologies for nuclear industry: from exploitation to decommissioning**, Mr. Mounir Bakkali, Industrial Partnerships Manager, Metrology, Instrumentation & Information Division, CEA-List
- 16:15 **Closing remarks**, Mr. Philippe Watteau, CEO, CEA-List