



EPoSS

European Technology Platform
on Smart Systems Integration

MNBS

Micro-Nano-Bio Convergence Systems

Joint Event

EPoSS General Assembly & Annual Forum 2015

“State of the (Sm)Art: Smart Systems Responding to Demand Side Requirements”

MNBS 2015 9th Annual Concertation and Consultation Workshop on Micro-Nano-Bio Convergence Systems

“Translate Technologies into Competitive, Validated and Manufacturable Products to Impact Quality of Life”

12-15 October 2015

Imec

Leuven, Belgium

www.smart-systems-integration.org/annual_forum

Dear Sir or Madam,

I cordially invite you to the

EPoSS General Assembly & Annual Forum 2015, 12-13 October 2015 in Leuven, Belgium

which will be co-located with the annual MNBS Workshop on 14-15 October 2015.

Not least thanks to innovation-oriented programmes and initiatives like Horizon 2020, ECSEL and Smart Anything Everywhere, Smart Systems are increasingly recognised as both enablers and solution providers by demand side industries such as manufacturing, medical, transport, logistics, ICT, agriculture, food, environment and energy, but also by end-users such as OEMs, clinicians, patients, consumers, citizens, and by decision-makers like financiers, marketeers and regulators. The Internet of Things is one prominent example of the multitude of concrete opportunities for Smart Systems.

This year's EPoSS Annual Forum will bring together the Smart Systems community and demand side industries for a showcase of Smart Systems solutions under the motto "State of the (Sm)Art: Smart Systems Responding to Demand Side Requirements".

I invite you to submit your presentation proposal according to the call outlined below.

Please also make ample use of the opportunity to exhibit, present and discuss posters and demonstrators. The call for posters and demonstrators is included below.



See you in Leuven at the premises of our host, sponsor and co-organiser imec!

Carmelo Papa, EPoSS Chairman
STMicroelectronics,
Senior Executive Vice President
Industrial & Multisegment General Manager

Dear Sir or Madam,

We cordially invite you to the

9th Annual MNBS 2015 Workshop, 14-15 October 2015, imec, Leuven, Belgium

This year's 2-day event will be hosted and co-organised by imec on behalf of the EC and is an excellent opportunity to

- diffuse and exchange information on research & development results and innovative solutions from EC-funded projects and other initiatives in Europe.
- identify synergies and possible collaborations to tackle critical issues covering the full value chain from R&D to Innovation.
- meet with key representatives from industry, research, users and the European Commission,
- take on an active role in defining research priorities and roadmaps for future research and in the forthcoming EC programme for research and innovation, Horizon 2020.

MNBS 2015 will emphasise on translating technologies into competitive, validated and manufacturable products to impact citizen's life. The programme includes oral and poster presentations from running and finished R&D projects, coordinated and support actions presentations and invited sessions, bringing technologies and solutions providers closer to business and to end-users, as well as technology roadmaps and ideas to build the innovation value supply chain. We look forward to welcoming you in Leuven!



Andreas Lymberis
Research Programme Officer
MNBS Cluster Coordinator
European Commission, DG Connect

Wolfgang Eberle
Funded Program Manager Life
Science Technologies, NERF and ERC
Imec Belgium



1st Day – Monday, 12 October 2015: EPoSS General Assembly 2015, Special Sessions and EPoSS Working Group Meetings

The EPoSS General Assembly 2015 - for members only - will take place in the morning of the first day. The rest of the day is open to all registered participants and will include a Special Session organised by the Smart Anything Everywhere Initiative on support for SMEs and midcaps in the field of Smart Systems Integration, Internet of Things and Cyber-Physical Systems, and a Special Session organised by the Coordination Action EXPRESS on product, funding, financing and cooperation opportunities in the Smart Systems ecosystem, including recommendations for decision-makers, be it politicians, researchers, industrial leaders, buyers or users. These will be followed by parallel meetings of the EPoSS Working Groups. The EPoSS dinner event will take place in a very special and traditional location in Leuven.

2nd Day – Tuesday, 13 October 2015: EPoSS Annual Forum 2015 and Special Session on IoT

The EPoSS Annual Forum – again open to all registered participants – will comprise a Keynote Session and Thematic Sessions with selected presentations from the EPoSS Call for Presentations as set out below. Smart Systems experts as well as representatives of demand side industries will present the “State of the (Sm)Art” from a supply and demand side perspective. These sessions will be followed by a Focus Session on the Internet of Things, jointly organised by the EPoSS Working Groups, and covering IoT applications in the sectors of the EPoSS Working Groups, including Automotive, Healthy Living, Manufacturing & Robotics, Applied MNBS as well as the manufacturing aspects of IoT. An evening reception will bring together all participants of the joint event and lead over to MNBS 2015.

3rd Day – Wednesday, 14 October 2015: MNBS 2015

MNBS 2015 will start with an Opening and Keynote Session addressing this year’s focus on Translating Technologies into Products to Impact Quality of Life and a Focus Session on the user perspective of MNBS applications organised by the EPoSS Working Group Applied MNBS. A Focus Session on MNBS technology for medicine & health monitoring follows. The Projects Session Part 1 will have projects present their approach to and experience with technology translation. A New Opportunities for MNBS session will seek for new areas and applications to use MNBS technologies. We conclude the day with a first Consultation Session & Round Table on future challenges and opportunities (H2020, Regional and other relevant programmes).

4th Day – Thursday, 15 October 2015: MNBS 2015 contd.

MNBS 2015 continues with a Focus Session on MNBS technology for smart agriculture, food and environment. The Projects Session Part 2 will have projects present their approach to and experience with technology translation. A Focus Session on 2016-2017 will follow with attention to SSI, X-KET, IoT and cross-links with other Programmes. We conclude the event with a final Consultation Session & Round Table on future challenges and opportunities (H2020, regional and other relevant programmes) and an outlook to 2016.

Throughout the joint EPoSS & MNBS event, there will be a poster and demonstrator exhibition and a series of guided site visits of the facilities at imec.

Call for Presentations for the EPoSS Annual Forum 2015

“State of the (Sm)Art: Smart Systems Responding to Demand Side Requirements”



The in-depth analysis of the Strategic Research Agendas (SRA) of all European Technology Platforms (ETP) that was conducted by the EXPRESS Coordination Action revealed opportunities for Smart Systems in major sectors of the economy, such as manufacturing, medical, transport, logistics, ICT, agriculture, food, environment and energy, thereby highlighting how Smart Systems - thanks to the integration of innovative technologies and production processes - provide solutions to requirements of the demand side, e.g. buyers such as OEMs, public procurers, health insurances, or end users such as clinicians, patients, consumers and citizens.

It is vital for Smart Systems providers to fully understand product, application and manufacturing requirements of the demand side. For the demand side it is equally important to gain insights into the breadth of technologies, processes and solutions that Smart Systems offer. Matching requirements and solutions is a prerequisite for bringing to the market innovative, manufacturable, safe and cost-effective products

- that are needed by the market,
- that investors are interested in,
- that buyers are willing to pay for, and
- that are accepted by end-users.

EPoSS with its Annual Forum is the ideal place to bring together the Smart Systems community and demand side industries for a showcase of Smart Systems solutions that respond to the requirements of major sectors of the economy.

This year's EPoSS Call for Presentations therefore focuses on the following three topics.

1. Demand side requirements for Smart Systems

We invite representatives of demand side sectors like manufacturing, medical, transport, logistics, ICT, agriculture, food, environment, energy and building to present their product and application requirements as well as specific challenges that Smart Systems need to respond to.

2. Smart Systems showcases: Turn-key solutions

We invite presentations from Smart Systems experts, be it from public research, academia or private companies to present their innovative and competitive products and solutions, and in particular to highlight in how far they respond to the specific requirements and challenges of demand side sectors.

3. Smart Systems inventory: Technologies and production processes

We invite contributions that provide tutorial-like inventories of the immense breadth of technologies and production processes of Smart Systems, in order to address the multi-disciplinarity challenge and provide guidance for decision makers in companies and research organisations.

For all the priority areas, presentations should be in line with the industrial and applications driven character of the EPoSS Annual Forum.

Presentations will be selected by members of the EPoSS Executive Committee. If you wish to participate in the Call for Presentations, please send the proposed title of your presentation, and an abstract (length: 1500-3000 characters) together with your full contact details, a short biography, and a photo to the EPoSS Office (contact@smart-systems-integration.org) by 14th August 2015. Invitations for selected presentations will be sent by 30th August 2015.

Participants are invited to exhibit and present posters and demonstrators showcasing Smart Systems – including MNBS – that respond to demand side requirements, be it those of industries in all sectors of the European economy, those of end users such as physicians, patients, consumers, citizens, or those of decision-makers like financiers, marketeers and regulators.

We equally invite posters and demonstrators that illustrate the multi-disciplinarity of Smart Systems with its breadth of cross-cutting technologies, its huge variety of production processes, and the many application sectors of societal and economic importance. Posters and demonstrators disseminating FP7, H2020 and ECSEL project results are also very welcome.

The poster and demonstrator exhibition is open to all participants throughout the event.

Sufficient time will be allocated, so that participants can visit the exhibition, and so that exhibitors and interested participants can get involved in dialogue and build business links. Additionally, dedicated poster sessions are foreseen.

Exhibiting and presenting a poster or demonstrator is free of charge for all registered delegates. However, preregistration of posters and demonstrators is mandatory through the event's online registration facility. In addition, because it is planned to include

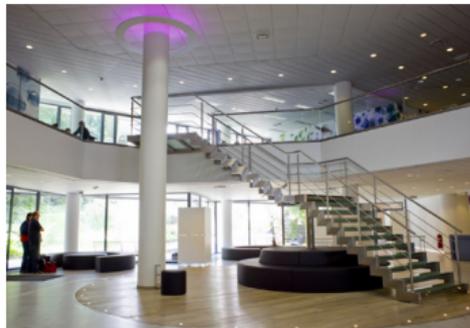
the poster and demonstrator abstracts in the conference folder, submission of the following information is mandatory for each poster and demonstrator by 11th September 2015 to the EPoSS Office (contact@smart-systems-integration.org).

- an abstract (length: 1500-3000 characters)
- the title
- key words
- full contact details of the corresponding author

Since the space for posters and demonstrators is limited, we follow a first come, first serve policy. Posters should be in A0 portrait format and need to be printed and delivered to the venue during registration and welcome times, so that they can be mounted before the start of the first session on the respective day. Demonstrators also should be delivered and set up during registration and welcome times. For more information on the poster exhibition, see http://www.smart-systems-integration.org/annual_forum/posters-demonstrators

Venue

Imec
Kapeldreef 75
3001 Leuven,
Belgium



Entrance Hall: Areas downstairs and upstairs are available for Posters and Demonstrators



Imec Tower



Auditorium



EPoSS

European Technology Platform
on Smart Systems Integration

MNBS

Micro-Nano-Bio Convergence Systems

EXPRESS



Registration

www.smart-systems-integration.org/annual_forum/registration

Participation in the EPoSS Annual Forum 2015 on 12-13 October 2015 is free of charge for EPoSS members, EXPRESS partners, speakers and all those who participate in the Call for Presentations. For non-members the fee is 400 EUR. Participants of MNBS 2015 receive a 50% discount on the registration fee for participation in the EPoSS part of the event. Exhibiting and presenting a poster or demonstrator is free of charge for all registered delegates. For participation in MNBS 2015 on 14-15 October 2015 a fee of 100 EUR will be collected directly at the venue.

Registration is mandatory for all participants.

Make sure to

- Register at http://www.smart-systems-integration.org/annual_forum/registration
- Participate in the Call for Presentations for the EPoSS Annual Forum 2015, see http://www.smart-systems-integration.org/annual_forum/cfp
- Exhibit posters and demonstrators, see http://www.smart-systems-integration.org/annual_forum/posters-demonstrators

Contact for EPoSS Annual Forum 2015

EPoSS Office / EXPRESS Coordinator

Petra Weiler

VDI/VDE Innovation+Technik GmbH

Steinplatz 1

10623 Berlin, Germany

Phone: +49 30 310078-155

contact@smart-systems-integration.org

www.smart-systems-integration.org

Contact for MNBS 2015

Imec

Wolfgang Eberle

Leuven, Belgium

Phone: +32 16 28 81 37

Email: wolfgang.eberle@imec.be