EPoSSS General Assembly

Future opportunities for SME in Smart Systems R&D and Innovation

Clusters and Supply Chains
Bernard CANDAELE, Thales
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Round table, SSI conference
Some initial statements

- EPoSS addresses a wide set of European technologies for SSI: heterogeneous integration
- EPoSS addresses leading applications
- SSI value chain combines
  - Several sciences and technologies/techniques: from base materials, active components, passive components, assembly and packaging, embedded software, final integration
    - functional performances and IT processing, (co-)design, manufacturing ..;
  - Several eco-systems acting together (Application driven SRA): Research labs, Industry, SME and suppliers, manufacturing, end users, all towards societal needs and European added-value
  - Clusters for innovation and value chain in the R&D and in the supply chain

How can be positioned the role of SME both in this supply chain and its R&D&I?
1. Pilot experiment: SSI technologies towards better city living, security and green mobility

An interconnected city built around the integration of information & communication & smart sensors technologies to provide a better standard of living to the citizen in a sustainable city.

Bringing users together with smart sensors providers, IT and communication platforms and system integrator in pilot projects allow to experiment and prepare smarter cities.

Smart sensors for soft mobility, road traffic, urban light, parking management, surveillance, ticketing, emergency, critical infra protection, …
2. R&D&I project: Innovate and develop technology and industrial capabilities

- Recent selected FP7 project to build up and to further combine, develop, qualify and prepare industrial road with Tier 1 and Tier 2 suppliers
  - Nanomaterials e-printing
  - eWLP and SiP
  - Embedded devices
  - Full assembly and packaging
  - Pilot application definiton and integration
  - Security ITSEF evaluation

Maturing technologies and preparing pilot applications by bringing together the several suppliers of the research and industrial value chain for successful solutions in SSI.

Bringing together SSI members and technology providers to develop complete and innovative 3D embedded solution for safety and security.
Questions for the panel and the floor

- Is there a need to increase SME presence in the smart system value chain?
- How to improve SME involvement in smart systems research and innovation?
- How a useful on-line match-making tool should be?
- FP7 vs. Horizon 2020 impressions. What is missing for SMEs?
Questions for the panel and the floor

- Their presence on EPOSS and other clusters. Why not? Afraid of something?
- Feedback on the topics presented in the tutorial (funding, networking, showcases, SRA). What was missing?
- Proposals for next tutorials