

IoT @ SAP AG

Internet of Things in the Context of Enterprise Applications

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European Commission
Information Society and Media



SAP AG

- Enterprise Software: Apps & Techn. Platform
 - for small, medium, large
 - SAP ERP, SCM, CRM, SRM + ~ 900 other products
- ~50,000 employees
- ~80,000 customers
- ~1,500 partners
- 25 industry solutions
- SAP Research as R&D dept.: ~400 employees
 - 6 research programs: Software Dev. & Arch;
Data Mgt. & Analytics; Security & Trust; BPM &
Semantic Interop.; Knowledge, People, Interaction;
Smart Items



Selected Topics in IoT @ SAP Research

- Real world integration
 - Managing complex infrastructures
 - Quality of Service (Scalability, Performance...)
 - User interfaces
- Distributed software/intelligence
 - Distributed process models, Complex Event Processing
 - Semantic interoperability
 - Agent-based systems
- Join IoT & IoS (Internet of Services)
 - Cloud Computing, SaaS (Software as a Service)
 - Service market places
 - Product-centric services



Example: SemProM

- SemProM (Semantic Product Memory)
 - *Large-scale* project (>500PM) supported by German Government (BMBF)
- *Few but strong* partners:
 - DFKI, BMW, Siemens, DPWN/DHL, Globus, 7x4 Pharma
- *Focused* Mission:
 - Leverage product data (class-level and item-level) attached to the product (2D barcode, RFID etc.) for facilitating business cases in manufacturing, logistics, retail, maintenance/repair, end-user/home...
- Product-centric services:
 - Examples: Order repair service for your washing machine; Compare products in store



We look for...

- Partners for proposals we drive
 - Experts in the aforementioned topics
 - Application partners
- Joining proposals related to topics we work on



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