



IPSS'2015 Special Session
Intelligent Objects for Product-Service Systems
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Supported by
IFAC TC 5.3 "Enterprise Integration and Networking"
IFAC TC 5.1 "Manufacturing Plant Control" (to be confirmed)

Scope

Product-Service Systems aim at embedding in a consistent integrated offer, both the added-values of innovative material products and useful intangible services. Technological innovation on products offers large opportunities to support advanced services provided to the final user during all the life cycle of the system. Throughout this management of the various phase of the life cycle, added-value are expected on several dimensions (costs, durability, sustainability,...) not only for the final consumer, but for various stakeholders of value creation chain. Intelligent objects, providing products new capabilities of interoperability, enriched information treatment and local and distributed decisions, appears as a key issue to implement product-service systems. Application fields of intelligent objects for servitized supply chains are multiple: both in BtoB supply chains (typically in Aeronautics, industrial machinery, robotics systems, production systems, biomedical industry...) and in BtoC (for instance automotive sector, healthcare applications, housekeeping devices,...). The session is open to every theoretical or applicative contribution of intelligent objects for product-service system.

Session Organizers

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Topics/ Keywords

- Intelligent objects for product-service systems
- Interoperable product-service systems
- Ambient intelligence for PSS
- Distributed decision in intelligent product-service systems
- Smart objects and environments
- Multi-agents and artificial intelligence for industrial product-service systems
- Applications in : industrial product-service systems, healthcare, smart homes, manufacturing systems, servitized automated systems, Virtual smart environments

Submission procedure

Acceptance of papers is based on review of the full manuscript (up to 6 pages). Instruction for authors are available on <http://ipss2015.emse.fr/>

When submitting on the web site, you have to indicate (1) the name of the Conference IPSS 2015, then (2) the name of the special session. Please follow the submission procedure on: <http://ipss2015.emse.fr/>, with copy of your paper sent by email to the chairs of the special session.

Dead line for submission of full papers of special sessions: **January, 31st 2015.**