

## 4<sup>th</sup> Mediterranean Conference on Information Systems

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### Track: Challenging Collaboration with RFID integrated Information Systems

#### Track Chairs

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#### *Introduction*

Today's business strategy must be based on reliable information and efficient services to companies and costumers. The available technologies can provide a more efficient, real-time, Supply Chain addressing Collaborative Planning, Forecasting, and Replenishment. For that, companies need to provide services, either for costumers and business purposes, supported by technological devices such as Radio Frequency Identifiers.

The **Smart** European project aims to support intelligent business networking and consumer services based on effective and efficient information/knowledge sharing and collaboration across supply chain partners, capitalizing on the fact that products are uniquely identified with the use of smart tagging technology. The objective of this project is to enable innovative supply chain collaboration processes and consumer value management exploiting the possibility for unique product identification across the supply chain. The **iSURF** project will enable collaborative supply chain planning by providing several open source interoperability service utilities such as accessing legacy applications, mediation of exchanged planning data, and an RFID based visibility infrastructure. I-SURF especially addresses intra-enterprise collaboration across multiple domains. In this way the ISURF interoperability middleware

will enable the development of integrated solutions for inter-enterprise interoperability and collaboration among supply chain partners. The **CuteLoop** project intends to explore how to radically improve the interaction of diverse actors in the integrated enterprise, targeting at an approach which will facilitate the inclusion of customers as an integral part of complex relationships in such business networks. A special emphasis will be put on the elaboration of a new approach for employing a "Networked Devices Enabled Intelligence" for distributed and asynchronous control of business processes.

In this track, the challenges from complementary approaches promoted by these three ongoing European Projects (SMART, iSurf, CuteLoop) to the use of RFID technology on Supply Chain management will be confronted in a perspective of a synergic change of ideas and results.

### ***Objectives***

The objectives for this track are to share experiences from three European projects researching in the area of RFID and collaboration, to look for common goals pursued by different approaches, to identify common challenges and opportunities and to establish proactive synergies. Attendees are invited to share their experiences to address the presenters and to join the discussion. This open discussion is a groundbreaking opportunity for sharing of ideas and assess about forms of cooperation with other researchers that can join, share and discuss similar experiences.

### ***Target Audience***

The target audience for this track are: representatives from industry especially SMEs, research institutions and academia, consultants, public and regulatory bodies, standardization bodies, interested in the adoption of RFID to support collaborative supply chain planning and interoperability of industrial systems and applications.

### ***Program***

Three papers from SMART, iSurf and CuteLoop European projects will be presented addressing each project research goals, ongoing work and major results achieved. Then, an panel will be put in place, to promote open discussion with the audience and get consolidated results.

**Suggested topics (but not limited to):**

- Supply chain management processes
- Distributed networked devices
- Supporting in-store processes
- RFID-enabled collaboration
- Smart pricing
- Intelligent Networked Devices
- Enterprise interoperability
- Innovative interactions
- Decentralised and asynchronous interaction in complex networks

**Bios of track co-chairs**

**Dr. Asuman Dogac** is the general manager of the SRDC. She is also full time professor at the Computer Engineering Department of Middle East Technical University, Ankara. Her expertise includes Internet Computing, semantic Web, agent technology, interoperability, e-Business, and eHealth. She has been consulting the industry and government organizations.

In 2004, Dr. Dogac received IBM (USA) Faculty award. She is also the recipient of several local awards: 1991 Mustafa Parlar Research Award, 1994 Husamettin Tugac Research Award, 1999 METU Achievement Award, 2000 METU Tarik Somer Superior Achievement award, 2000 Mustafa Parlar Science award and 2001 Tarik Somer award.

She has published more than 100 papers in refereed international conferences and journals including Communications of the ACM, IEEE Transactions on Software Engineering, IEEE Transactions on Information Technology in Biomedicine, Information Systems Journal (Elsevier), Journal of Parallel and Distributed Databases and the ACM Computing Surveys.

**Dr. Ricardo Jardim-Goncalves** holds a PhD degree in Industrial Information Systems by the New University of Lisbon. He is Auxiliar Professor at the New University of Lisbon, Faculty of Sciences and Technology, and Senior Researcher at UNINOVA institute. He is graduated in Computer Science, with MSc in Operational Research and Systems Engineering. His research activities have focused on Standard-based Intelligent Integration Frameworks for Interoperability, covering architectures, methodologies and toolkits to support improved development, harmonisation and implementation of standards for data

exchange in industry, from design to e-business. He has been technical international project leader for more than 15 years, with more than 80 papers published in conferences, journals and books. He is IEEE member and project leader in ISO TC184/SC4. Scientific evaluator of national and international projects and programs.