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First International Workshop on Telecom Service Oriented Architectures (TSOA-07)

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Telecommunication services and network features are often tightly coupled, separate, and vertically integrated. This vertical approach has an extremely weakening effect on service provider's ability to develop more complex services that could span over heterogeneous telecom networks and IT services.

The common vision for implementing services is now the realization of an horizontal service platform, based on shared services and network enablers, which can be easily composed in a service oriented architecture based on Web Service standards. The integration of communication services, content-based services, Internet-like services, and messaging services reveals several open issues.

For example, the organization of the internal structure of the service layer, the composition of IT services and telecommunication resources, the exposure of such resources as Web Services, and how these services interact with mobile terminal applications, the essential support for asynchronous interactions at service layer, are problems to be solved in the telecom domain.

Innovative model engineering techniques tend to be used to abstract commonality between different execution platforms and to facilitate the development of systems that can target different execution environments. The exploitation of these techniques in the context of service engineering and, more specifically, in the telecommunication domain is perceived as an opportunity for reducing development and maintenance costs.

The First Telecom Service Oriented Architecture Workshop (TSOA 2007) provided an international forum for researchers and practitioners from academia and industry to create a fruitful discussion on recent developments, standards, applications, techniques, modeling, design issues, case studies, experience reports, and tools to support the development of service-oriented systems, as well as to foresee future challenges in the area.

The Program Committee selected 8 papers out of 20 submissions from 13 countries (Austria, Belgium, Canada, China, France, Germany, Hungary, Italy, The Netherlands, Norway, Portugal, South Korea, Spain). All submissions were reviewed by four members of the Program Committee. Papers were selected based on originality, quality, soundness and relevance to the workshop.

The accepted papers were divided in 3 sessions: one on telecom service platforms, one on service modeling and composition and one on semantics usage in telecom services. The workshop program also included a keynote by Yves Lafon, whose talk on "W3C Web Services Standardization: Building Blocks and Beyond" described recent standardization efforts of W3C that are important for telecom service platforms.

We would like to thank the members of the Program Committee for providing timely and significant reviews, and for their substantial effort in making TSOA 2007 a successful workshop, with more than 20 participants.

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