Sorin Georgescu

Sorin Georgescu received his M.Sc. degree in Computer Science from the Politehnica University of Bucharest, Romania, in 1984. After graduation he performed research work as a Research Engineer and later as Senior Scientific Researcher, at Computer Research Institute in Bucharest, focusing on Artificial Neural Networks architectures for static/moving object recognition.

In 1990, he joined the Department of Computer Science at Politehnica University of Bucharest as an Assistant Professor (1990-1992) and Lecturer Professor (1992-1993), teaching courses on Artificial Neural Networks, Data Protocols and Programming Languages.

He obtained his Ph.D. degree in Computer Science from the Politehnica University of Bucharest, Romania, in 1997. His research focused on hybrid Neural Network - Hidden Markov Models (NN-HMM) architectures for Speech and Dynamic Pattern Recognition. A special interest was given to the Fuzzy ARTMAP network due to its real-time training capability. Dr. Georgescu performed research in collaboration with Speech Recognition Group, from Centre de Recherche Informatique in Montreal and with Locus Dialogue, a start-up company focused on the research/design of Multi-Speaker Large Vocabulary Speech Recognition Applications.

In 1998, Dr. Georgescu joined Ericsson Research Canada where he performs as Senior Systems Manager, research and standardisation work in Multimedia/IMS Service Layer area. His research has been focused on the evolution of Telecom Service Layer architecture and the integration with Web 2.0 and Semantic Web, as well as on the architectures for Multimodal Interaction and Payment Brokerage in IMS networks. In the context of recent focus of the research community on the Future Internet architecture, Dr. Georgescu has conducted research work aiming to assess the impact of this new paradigm on Telecom Service Layer architecture. Dr. Georgescu is also active in IMS Convergence area. He has led the joint Cisco-Ericsson technical investigation on a Converged MultiService Cable Architecture and is Ericsson's Rapporteur in PacketCable 2.0 standardisation body. He has also performed system/network level investigations within Ericsson IMS Messaging program.

Dr. Georgescu has published many research papers, filed innovation patents and been invited speaker at ICSNC'07 and ICDT'08 International Conferences, as well as member of the Technical Committee and Advisory Committee of several IEEE Conferences organized by IARIA. His research interests are steered by the vision that multimedia applications will dominate the traffic of future data networks and that QoS enabled networks as for example IMS, will coexist with best effort networks through virtualisation. Semantic service definition, transport/control network SLA negotiation through service brokerage, automatic discovery, micropayments for capabilities which can not be provided for free, will constitute key features of future architectures for multimedia applications.

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