

Prof. Mariusz Głabowski

Poznan University of Technology, Poland



Analytical Modelling of Overflow Systems with Elastic Traffic

Abstract: In all hitherto considered models in literature of the overflows systems the assumption was that alternative (secondary) resources formed a single resource with complete sharing policy (even in the case of multi-tier networks, the resources at each tier were considered as the resources with complete sharing policy). During this talk a new analytical model of multi-service overflow systems with distributed secondary resources and elastic traffic will be presented. We will discuss the system in which secondary resources are not uniform (have distributed nature), i.e., are composed of a number of separated component resources. The accuracy of the proposed solution will be demonstrated.

Biography: Mariusz Głabowski received the M.Sc., Ph.D. and D.Sc. (Habilitation) degrees in telecommunication from the Poznan University of Technology, Poland, in 1997, 2001 and 2010, respectively. Since 1997, he has been working in the Department of Electronics and Telecommunications, Poznan University of Technology. He is engaged in research and teaching in the area of performance analysis and modelling of multiservice networks and switching systems. Prof. Mariusz Głabowski is the author/co-author of four books, several book chapters and of over 140 papers which have been published in communication journals and presented at national and international conferences. Professor Głabowski is a chair of the European Section of the Institute of Electronics, Information and Communication Engineers (IEICE). He is also a member of International Academy, Research and Industry Association (Fellow), Institute of Electrical and Electronics Engineers (Senior Member), Federation of Telecommunications Engineers of the European Community and Polish Association of Telecommunication Engineers.