

Foreword

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We are continuing with the practice of publishing regularly English issues, at present twice a year, in July and in January. We hope we will be able to gradually increase their number from two per year to maybe four per year, yielding to shorter waiting times for those wishing to submit their results for these issues directly which we welcome.

This issue also reports on a recent important international conference, World Telecommunications Congress, WTC2006, organized jointly by the Scientific Association for Infocommunications, Hungary (HTE) and the Association for Electrical, Electronic & Information Technologies, Germany (VDE/ITG). The conference took place in Budapest, Hungary, on April 30 - May 3, 2006, under the title "Emerging Telecom Opportunities". We publish a short summary of the event and we have selected two papers for our English issue.

The paper by P. Janeck titled "NGN development at Magyar Telekom: The future of our fixed network". It reports on an ambitious development Magyar Telekom is running to deploy broadband access and to build an IMS based NGN network.

The paper by Schülke et al titled "Service Delivery Platform: Critical enabler to service providers's new revenue stream". It gives an overview of the Service Integration Environment as a potential part of a future SDP solution with an in-depth view of the respective market and its relation to the ongoing standardization activities.

Now let us briefly introduce the papers selected by the Editorial Board from those already published in the Hungarian issues for the past five months.

Orsolya Ferencz and Csaba Ferencz presents a new method for wave propagation calculations that resolves the contradictions in the existing methods. The method gives opportunity to find new, exact and right solutions, to avoid the former mistakes, and by the aid of which several measurements in space research can be successfully interpreted.

The paper of Jeszenői and Szatmári deals with an important issue of increasing the capacity of high speed optical backbone systems. Here we have to cope with the non-linear properties of the optical fibre which is the target of the investigation in this paper.

Kern et al approach to the capacity increasing of wavelength division multiplexing systems from another angle: they show that the combination of statistical multiplexing and traffic grooming can lead to the increase of the efficiency of the system.

Vicsi et al report on a new development in speech technology that can improve the efficiency of doctors' work in the hospitals by automatically generating the diagnosis report based on speech input.

Kiss and Németh present a novel machine learning approach usable for text labelling problems and illustrate the importance of the problem for text-to-speech systems and through that for telecommunication applications.

Bérczes and Sztrik targets the modeling of the Web traffic. The primary aim of their paper is to modify the performance model of Bose and Cheng to a more realistic case when external arrivals are also allowed to the remote Web servers with limited buffer capacity.

The paper of Horváth et al was specifically submitted for the English issue and presents a new approach using generic and meta-transformations for generating platform-specific transformer plug-ins.

Let us note that this time the selection was more difficult than usually due to a large number of quality research papers published during the preceeding five months, and we were not able to include in this issue two more papers, they will be published in the next English issue to appear in January.

László Zombory
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