jubilee international convention
May 22-26, 2017, Opatija – Adriatic Coast, Croatia
Lampadem tradere
mipro - path to knowledge and innovation
mipro proceedings
SIGNAL PROCESSING

Overlapping Blocks in Reconstruction of Sparse Images........................................... 603
I. Stanković, M. Daković, I. Orović

Sparse Signal Reconstruction Based on Random Search Procedure ..................... 607
M. Daković, I. Stanković, M. Brajović, Lj. Stanković

A Fast Noise Level Estimation Algorithm Based on Adaptive Image Segmentation and Laplacian Convolution................................................................. 611
E. Turajlić

INFORMATION AND COMMUNICATION NETWORKS

Advanced Regulation Approach: Dynamic Rules for Capturing the Full Potential of Future ICT Networks................................................................. 619
D. Ilišević, N. Banović-Ćurguz

LTE eNB Traffic Analysis and Key Techniques towards 5G Mobile Networks ....... 624

IoT Network Protocols Comparison for the Purpose of IoT Constrained Networks .. 628
I. Hedi, I. Špeh, A. Šarabok

Digital Forensic Analysis through Firewall for Detection of Information Crimes in Hospital Networks................................................................. 633
A. Akbal, E. Akbal

A. Koren, D. Šimunić

Mine Safety System Using Wireless Sensor Networks............................................. 642
V. Henriques, R. Malekian, D. Capeska Bogatinoska

BUSINESS PROCESSES AND BUSINESS ECONOMY

Replication of Virtual Network Functions: Optimizing Link Utilization and Resource Costs................................................................. 651
F. Carpio, W. Bziuk, A. Jukan

Impact of Human Resources Changes on Performance and Productivity of Scrum Teams................................................................. 657
D. Alić, A. Djedović, S. Omanović, A. Tanović
LTE eNB Traffic Analysis and Key Techniques Towards 5G Mobile Networks


*University of Rousse, Department of Telecommunication, Rousse, Bulgaria
**University of Rousse, Department of Electrical and Electronic Engineering, Rousse, Bulgaria
***University of Telecommunications and Posts, Department of Telecommunication, Sofia, Bulgaria

E-mail addresses: tiliev@uni-rousse.bg, gmihaylov@uni-rousse.bg, ebikov@gmail.com, epivanova@uni-rousse.bg, istoyanov@uni-rousse.bg, dradev@abv.bg

Abstract - With the fast growth of mobile data services, rich services deliver a broad new experience to end users, and also bring about new opportunities for operators. Some applications, such as vehicular and industrial applications, demand a level of reliability that wireless communication systems typically are not able to guarantee. This paper provides a framework that enables these applications to make use of wireless connectivity only if the transmission conditions are favorable enough. In this paper, we will partially compare the fourth and future fifth generations of mobile networks and their applicability and we were carried out measurements of data traffic amount and quality characteristics.

Keywords: Ultra-Reliable Communication, Fifth-Generation (5G), Mobile communication systems.