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Dear Readers,
Welcome to the fourth issue of the JITA Journal!

The content of this issue of JITA consists of five papers covering different areas of information technologies. The first of the presented papers, entitled “Application of Voice Biometrics in System Protection and Crime Fighting”, by Saša Paunović, Lazar Nešić, and Jovan Kovačević, analyzes the possibility of using the voice biometrics in modern living, from simple examples, such as starting the motor of a vehicle, through opening security gates, to proving fraud and embezzlement. Special emphasis has been put on the systems of automatic speaker identification and forensic speaker recognition.

The next paper “Management of induction (asynchronous) motors using PLC”, by Mahir Zajmović, Hadžib Salkić, and Saša Stanić, tackles the problem of practical engineering management of an induction motor using PLC and VSD. Managing controls were given for HP mobile working stations, where Windows XP operative system with SCADA software from DAQFactory was installed. The link used between the working stations and the PLC was Ethernet (Modbus TCP/IP).

The article “Data Mining & Cloud Computing” by Robert Vrbić describes cloud computing as a powerful, scalable and flexible infrastructure into which techniques and methods of data mining can be easily integrated. The result of such integration should be powerful platform that will be able to handle huge amounts of data from various data warehouses.

In “Data Visualization on Information Tables - Dashboards”, Nedim Smajlović presents a specific way of data visualization for the business purpose. The information tables - dashboards have been created for the purpose of data processing as an analogy to the car dashboard, which, by means of several indicators, provides for the driver an instant insight into various data related to driving and the engine running. Display of the data in the form of charts and diagrams undoubtedly helps in obtaining new knowledge however, an individual visual displaying is seldom sufficient thus they should be combined in different variants. The work presents concrete examples of the dashboards creation both locally and globally.

Finally, the article “Integration Contemporary Java Web Technologies as a Service for The University Employees” by Uroš Romić, Igor Manić, and Ivan Pantelić, describes the web application used by employees of the School of Electrical Engineering in Belgrade. The application is based on contemporary open source Java web technologies combined together into an advanced system that provides an environment for the rapid application development, high modularity and configurability. Paper outlines application functionalities related to teaching process and financial operations, as well as additional functionalities.

On behalf of the Editorial Board we would like to thank the authors for their contributions, and also the reviewers for the effort and time invested into the preparation of this issue of Journal of Information Technology and Applications.