Dear readers

Welcome you to the new issue of the Journal of Systems Integration. In this issue, you can find articles dealing with problems of interesting topics of information systems development, integration and benefits, and also with the problems of human resources in IT companies.

In the current organizational context, it is no longer enough to have technological tools that collect, consolidate, analyze and integrate data into the decision process. It is also necessary to have technological resources that can boost them, perceive the business and know how to extract information relevant to the development of the organization. In the article of Fernando Almeida “Benefits, Challenges and Tools of Big Data Management” is shown, that the Big Data Analytics is currently a tool that helps organizations harness their data and use it to identify new business opportunities.

The integration approach in the article “Evaluating Information System Integration approaches for fixed asset management framework in Tanzania”, written by Theophil Assey, Khamisi Kalegele and Bukaza Chachage, is focused on data sharing between Fixed Asset Management Systems and other Information Systems (Middleware Integration) and single point of data access i.e. common data storage. The reason is to enhance easy accessibility of all the fixed asset information whenever the information is required. The study presented in the article, is conducted to review and find the best information integration approach to be used at the local government authorities; common data storage and middleware integration were proposed to enhance asset accountability.

Companies need to be predictably adaptable and to do so, software development methodologies need to evolve. It is not enough for companies to be agile. In the paper “Becoming Predictably Adaptable in Software Development”, written by Michael Vakoc, are proposed modifications to Scrum methods of software development, that enable teams to be both predictable and adaptable. The methodology described in the paper has proven potential to help especially teams that currently have low success rate for their sprints.

Location based mobile services is the use of mobile devices to be able to provide users with location sensitive information such that a user can access information based on a suitable or preferred location. Mobile location based services make use of the Geographic location of personal phone or navigational device and use embedded satellite navigation receivers or network-based technologies like triangulation from the location of the base station transmission cells to be able to determine the position of the device. The solution presented in the paper “A Location-Based Service for Handyman Order Placement”, written by Bernard Shibwabo Kasamani and Denis Gikundi serves to build the public trust in handyman’s quality of service by providing them with a rating feature and work history information to determine the quality of service.

Problem of evaluating employees and risk of leaving their company without having proper replacement is quite serious when we consider current situation at the job market in the Czech Republic. Crucial employees must be discovered and the company should offer them several benefits like additional training, benefits or special care and understand why they might want to leave. Main contribution of the article “Prevention of Employees Fluctuation in IT” written by Libor Mesicek could be seen in results of the applied research, started at the end of 2016, identified employees with high risk of leaving the company. Based on those results management of the company took contra-measures like additional packages of benefits for selected employees.

I am convinced that in this issue you will find again interesting articles that will help you in your professional life.

Best regards

Zdenek Molnar – Editor in Chief