Dear readers,

I am pleased to introduce the new editorial team Journal of Systems Integration, following the excellent work undertaken in previous year by prof. Zdenek Molnar. Prof. Josef Basl and Dr. Sona Karkoskova, both from the University of Economics Prague, Czech Republic, have been announced as the new Editor in Chief and Technical Editor. Prof. Josef Basl’s research covers a wide range of topics in digital transformation and computational engineering. He has been continually involved in more applied science research topics. Dr. Sona Karkoskova has received her Ph.D. from the University of Economics Prague, Czech Republic and works there currently as Assistant Professor with focus on emerging trends in information technologies and IT governance relevant topics.

Our new editorial team is honoured to build on the excellent work of prof. Zdenek Molnar. He has contributed his expertise to the Journal of Systems Integration almost a decade from its original start. Special thank for the excellent editorial works and journal support also belongs to Hana Hurkov and Helena Palovska. We believe that we will run the journal at least same successfully with the aim to publish high-quality issues that will be beneficial, interesting and valuable to the reader. We also look forward to working with the new editors to help realise their aspirations for the Journal of Systems Integration.

This issue starts the tenth volume of the Journal of Systems Integration. This issue presents its readers with coverage of the latest trend of application of analytics, predictive maintenance and quality metrics accompanied by articles focus on the field of IT management and IT project management.

An increasing number of especially manufacturing companies use the potential of modern technologies captured under the concept Industry 4.0. Several analytical techniques are applied on data collected by the Internet of Things (IoT). However, these are not new analytical techniques, these use emerging concepts of predictive maintenance service in production equipment in order to ensure high availability and to prevent timely downtimes an effective maintenance. Article “Predictive maintenance as an intelligent service in Industry 4.0” deals in detail with predictive maintenance, presents the use of the predictive maintenance method in the Czech Republic and describes an approach of implementing predictive maintenance.

Analytical methods are widely used besides manufacturing, where they typically process large amounts of data, also in healthcare. Article “Analytic Module to Improve Nutrition Screening for Children Under-five Years at Maternal and Child Health (MCH) Facilities” proposes analytical system for nutrition screening and assessment. System is dedicated to children suffering from malnutrition. System is designed in order to be used by health worker to predict malnutrition risk, enables actual nutrition screening and evaluation of nutrition.

An important aspect of software tools is software quality assurance. Software should meet quality requirements in all phases of its lifecycle. The problem, however, is that there are many metrics to assess quality, tools have limited flexibility and are mostly platform dependent. The issues addressed by the article “MECOT: A Software Quality Metrics Collection Tool” are the absence of an available tool that allows an automated computing process to measure data quality based on a comprehensive set of quality metrics.

Agile development of information systems is still the current trend. One of agile frameworks for managing project of software development is the SCRUM framework. SCRUM framework is based on iterative and incremental approach to scaling software development. Article “Development Point of Sales Using SCRUM Framework” focuses on the use of the SCRUM framework in managing the development of specific project.

SCRUM framework allows make changes quickly, within the bounds of the agile principles. Change management is the key for organization to remain flexible enough to success in today’s volatile, uncertain, complex and ambiguous world. Effective management of changes is a critical for delivering any information systems project. Article “Developing a Change Management Model for Managing Information Systems Initiated Organisational Change: A Case of the Banking Sector in Zimbabwe.”
researches methods and identificators in order to increase the success of information systems initiated organisational change in the banking sector.

I would like to wish all the best for the year 2019 and I expect that you will remain faithfully readers of our System of Integrations Journal in this year.

Yours sincerely,
prof. Josef Basl
Editor in Chief