

Guest Editors' Introduction to Special Issue on *Industrial Internet of Things (IIoT)-Part 2*

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THIS special issue is the second part of the papers presented in the International Conference on Industrial Internet of Things (ICIIoT) 2015 held in Samosir Island, North Sumatra, Indonesia on September 7-9, 2015 published in the *Internetworking Indonesia Journal (IIJ)*. The international conference was organized by the IEEE Indonesia Control Systems Society and Robotics and Automation Society Joint Chapter (IEEE Indonesia CSS/RAS Joint Chapter in the area of the rapidly expanded Internet of Things (IoT) especially for industries. The goal of the conference is to present a scientific forum for academics, researchers, and practitioners in sharing ideas, experiences, vision, and information in this emerging technology.

The special issue contains 9 papers represent research in Transportation, Sales Force Automation, Data Mining and Monitoring, Network Technologies and Control, and Software and Security. The papers are listed as follow:

- Y. Agarwal, K. Jain, and J. Joshi present "ENLC: Embedded Based Vehicle Navigation and Lane Change Assistance System" for a modern intelligent vehicle navigation and lane change assistance system.
- B.H. Simamora, I.G. So, and Natalia consider "Sales Force Application Effectiveness Evaluation for Improvement" for assessment of SFA realization employing Unified Theory of Acceptance and Use Technology (UTAUT) model approach.
- S.M. Azam and L. Iftekhar describe "Perfect Tracking of MIMO Systems using Dual Feedforward Method" by proposing the architecture, the design methodology and the illustrative simulation results.
- R. Bonnyswara and A. Turnip consider "An Optimal Design of a Transportation Network for Offshore Port Services" in order to reduce the transportation cost consists of the overhead and operation cost for shuttle ships, the handling cost at seashore ports, port construction and maintenance cost, and inland transportation cost using a genetic algorithm (GA).
- H. Simanjuntak, M. Tambunan, K. Manullang, H. Panjaitan present "An Automatic Tool for Anchor Model Data Warehouse Development" by introducing AncRel v1.0 algorithm to produce anchor model structure derived from relational data sources.
- P. Sihombing considers "The Similarities Test of Thesis by Percentage of Similarity Formulation" by means of a search engine system using Genetic Algorithm (GA) to find and to rank the similarity percentage of some thesis titles in the database.
- E. Sedyono, T. Mahatma, and A.I.R. Hunga describe "Strengthening Batik Home-workers through ICT based Fair Trade" in order to make powerful batik crafts people by bringing in ICT in the activities.
- R.R. Saedudin, J. Alhilman, and T. Mulyana present "Maintenance Task Optimization of the BTS using RCM and LCC Methods" in order to provide the best service for customers.
- A. Wimatra, D. Nasution, T.H.F. Harumy and Sunardi consider "Backpropagation Model for BIDIKMISI Recipients" in order to get the best solution in selecting the recipients in the increasing number of the applications from time to time using Artificial Neural Network algorithm.

The guest editors would like to thank to Editorial Board of IIJ and especially Dr. Thomas Hardjono as the Chief Editor for his support, encouragement, and advice from preparation until finalization of the papers in the *Internetworking Indonesia Journal (IIJ)*. The contribution from the authors is gratefully acknowledged. The guest editors would like to praise all authors for their cooperation in preparing the papers. The editors wish that the readers will find this issue is valuable and practicable in Internet of Things (IoT) areas.

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He was a Research Assistant in the Instrumentation and Control Laboratory, Department of Engineering Physics, Bandung Institute of Technology, Indonesia from 1990-1995. Since 1999, he has been with the Department of Engineering Physics, Bandung Institute of Technology, Bandung, Indonesia, where he is currently a Senior Lecturer. He has been a Senior Research Fellow in the Centre for Unmanned System Studies (CENTRUMS), Bandung Institute of Technology, Bandung, Indonesia since 2007. He was a Visiting Scholar in the Telecommunication and Information Technology Institute (TITR), University of Wollongong, NSW, Australia in February 2002. He was a Visiting Scholar in the Smart Robot Center, Department of Aerospace and Information Engineering, Konkuk University, Seoul, Korea in October 2010. His research interest includes hybrid control systems, discrete event systems, computational intelligence, robust control, unmanned systems and intelligent automation. He has edited one book on intelligent unmanned systems published by Springer, 2009 and published more than 100 research papers.

Dr. Joelianto is an IEEE Member and IEEE Indonesia Control Systems/Robotics Automation Joint Chapter Chair. He is the Chairman of Society of Automation, Control & Instrumentation, Indonesia. He is an Editor of the International Journal of Artificial Intelligence (IJAI) and the International Journal of Intelligent Unmanned Systems (IJUIS), the Advisory Editor of the Journal of Mechatronics, Electrical Power, and Vehicular Technology (JMEV). He was the Guest Editor at the International Journal of Artificial Intelligence (IJAI), the International Journal of Imaging and Robotics (IJIR) and the International Journal of Applied Mathematics and Statistics (IJAMAS). He was the General Chair of the 1st International Conference on Instrumentation, Control and Automation (ICA), Bandung, Indonesia in 2009, the 2012 IEEE Conference on Control, Systems and Industrial Informatics (ICCSII), Bandung, Indonesia, the 2014 International Conference on Intelligent Autonomous Agents, Networks and Systems (INAGENTSYS), and the 3rd 2015 International Conference on Technology, Informatics, Management, Engineering and Environment (TIME-E).

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