Editorial

System Simulation and Control in Engineering

**Her-Terng Yau,¹ Maciej J. Ogorzalek,² Frode Eika Sandnes,³
Cheng Siong Lee (Vincent),⁴ and Yunhua Li⁵**

¹Department of Electrical Engineering, National Chin-Yi University of Technology, Taichung City, Taiwan

²Department of Information Technologies, Jagiellonian University Krakow, Poland

³Oslo and Akershus University, College of Applied Sciences, Oslo, Norway

⁴Clayton School of Information Technology, Faculty of IT, Monash University, Australia

⁵School of Automation Science and Electrical Engineering, BeiHang University, Beijing, China

Correspondence should be addressed to Her-Terng Yau; htyau@ncut.edu.tw

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Technologies in the research field of system simulation and control have made great progress in recent decades, and system simulation and control has now become a popular term in the field of electrical/mechanic engineering. Many researchers in system simulation and control have made great efforts to develop methodologies for physical, engineering, and biological studies, and these research results have had great influence in the greater field of system simulation and control. With the advancement of computer hardware providing more powerful computing environments, system simulation and control researchers have been able to challenge solving larger and more complex problems. Driven by such motivation, the innovative methodologies of system simulation and control technologies are proposed not only in area of engineering but also in new paradigms in computer science. In addition, system simulation and control researchers have applied the developed methods to various real world problems such as robotic system. This special issue includes the mathematical and physical theories of the non-linear dynamics analysis and control in physical, engineering, and biological studies and their various applications.

We strongly believe that the papers that are presented in this SI contribute greatly to the work of academic researchers, industry professionals, students, and anyone else who may be interested in this subject technology.

This special issue is composed of 61 nominated papers, carefully selected according to their subject and their merit. Fifty of the best papers to be presented at the IS3C 2014 Conference are included in the issue. This international

conference is important to the development of new ideas and the promotion of research into advanced computer, consumer, and control technologies. Nearly 50 papers from around the world have been rigorously reviewed before being accepted for this special issue.

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*Her-Terng Yau
Maciej J. Ogorzalek
Frode Eika Sandnes
Cheng Siong Lee (Vincent)
Yunhua Li*