



Hanoi University of Science
and Technology



German Academic
Exchange Service



Austrian-South-East Asian
Academic University Network

Workshop on Industry 4.0 – Current Trends and Strategies (Hanoi, November 23th – 24th 2017)

Organized by: Hanoi University of Science and Technology (HUST)
in co-operation with the German Academic Exchange Service (DAAD) and
ASEA-UNINET

Day 1 (November 23th 2017)

- 8:30 Registration
- 9:00 Welcoming (Prof. Hoang Minh Son – HUST, Mr. Stefan Hase-Bergen – DAAD, and Dr. Weippl – TU Vienna)
- 9:30 Keynote 1 – *“Industry 4.0 - Overview and Fundamental Concepts”* (Prof. Dr. Reiner Anderl, TU Darmstadt, Germany, and Vietnamese German University, Vietnam)
- 10:15 Tea Break
- 10:45 Keynote 2 – *“Viet Nam Approach to 4th Industrial Revolution: Challenges and Advantages”* (Prof. Dao Ngoc Chien, Department for High Technology, Ministry of Science and Technology, Vietnam)
- 11:30 Invited talk 1 – *“The Trend of IoT Connections in Industry 4.0”* (Dr. Doan Quang Hoan, The Authority of Radio Frequency Management, Ministry of Communications and Information, Vietnam)
- 12:00 Lunch break
- 13h30 Keynote 3 – *“Securing Information Processing in the Lifecycle of Cyber-Physical Production Systems”* (PD Dr. Edgar Weippl TU Vienna, Director of SBA Research, Austria)
- 14:15 Research landscape in Germany (Mr. Stefan Hase-Bergen, DAAD Director Hanoi, Vietnam)
- 14h45 Research landscape in Austria (PD Dr. Edgar Weippl TU Vienna, Director of SBA Research, Austria)
- 15:15 Tea Break
- 15:45 Invited talk 2 - *“Selected Challenges for “Online” and “Early Warning / Predictive” Systems Engineering Paradigms in the Area of IoT-and-Industry 4.0”* (Prof. Kyandoghere Kyamakya, Alpen-Adria Universität Klagenfurt, Austria)
- 16:15 Invited talk 3 – *“Challenges and Solutions for Model-based Dependability Engineering in Industry 4.0 Environments”* (Dr. Andrey Morozov, TU Dresden, Germany)
- 16:45 Invited talk 4 – *“Digital Factory Concept as Source of Competitiveness”* (Mr. Vo Hong Ky, Siemens Vietnam)
- 17:15 Summary of the Day, Outlook to the next day (Prof. Thanh, HUST, Vietnam)

Day 2 (November 24th 2017)

- 9:00 Introduction into the Day 2 (Prof. Nguyen Van Duc, VDZ)
- 9:15 Keynote 4 – *“Towards Sustainable IIOT/5G Education and Research on International Level – The Role of Technology Testbeds”* (Prof. Thomas Magedanz, Fraunhofer Institute for Open Communication System, Germany)
- 10:00 Keynote 5 – *“IoT for a Smarter Factory – A Practical Approach towards Industry 4.0”* (Dr. Pham Hung Manh, VNPT Technology, Vietnam)
- 10:45 Tea Break
- 11:15 Invited talk 5 – *“Topic to be confirmed”* (Mr. Pham Hong Son, CEO, General Electric Vietnam)
- 11:45 Invited talk 6 – *“Engineering Education for the 4th Era of Industry”* (Prof. Nguyen Huu Thanh, HUST, Vietnam)
- 12:15 Invited talk 7 – *“Industry 4.0, Challenges and Opportunities for Vietnamese Universities, Research Institutes and Enterprises”* (Prof. Nguyen Chan Hung, Institute of Electronics, Informatics and Automation, Ministry of Industry and Trade, Vietnam)
- 12:45 Lunch break
- 14:00 Panel discussion – *“The Reform of Higher Education in the Fourth Industrial Revolution”* (Chair: Prof. Hoang Minh Son, HUST; Prof. Thomas Magedanz, FOKUS; Dr. Weippl, TU Vienna; Prof. Nguyen Chan Hung, VIELINA; Mr. Pham Hong Son, GE Vietnam; Mr. Vo Hong Ky, Siemens Vietnam)
- 15:00 Closing remarks (Prof. Nguyen Huu Thanh, HUST, Vietnam)

Contact:

For Hanoi University of Science and Technology (HUST), Vietnam:

Prof. Dr. Nguyen Huu Thanh, HUST: Mail: nguyenuuthanh@set.hust.edu.vn

For ASEA-UNINET:

Niina Novak, BSc MSc, ASEA-UNINET Head Office, Vienna University of Technology, Institute of Software Technology and Interactive Systems, Favoriten str. 9-11, A-1040 Vienna, Austria;

Mail: asea-uninet@ifs.tuwien.ac.at

For DAAD Hanoi:

Mr. Stefan Hase-Bergen, Head of DAAD Regional Office Hanoi for Vietnam, Cambodia, Laos and Myanmar; Trung Tam Viet-Duc Dai hoc Bach Khoa Ha Noi, Dai Co Viet, Tran Dai Nghia, Hanoi, Vietnam;

Mail: hase-bergen@daadvn.org