

**I4CS Conference**  
**Village Resort Hanuliak**  
**Belá, Slovakia**  
**18 -20 June 2018**

**Sunday – 17<sup>th</sup> June**

|       |       |  |
|-------|-------|--|
| 17:00 | 24:00 | <b>Informal Welcome Meeting, Žilinská Kozlovna Pub, Žilina</b><br>( <a href="http://www.zilinskakozlovna.sk/kontakt">http://www.zilinskakozlovna.sk/kontakt</a> ), ICE call Michal Hodoň +421904383856 |
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**Monday – 18<sup>th</sup> June**

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|-------|-------|---|
| 09:30 | 10:30 | <b>Registration</b>   |
| 10:30 | 11:00 | <b>Conference Opening</b>   |
| 11:00 | 12:30 | <b>Session 1: Architectures and Management</b> , chair: Christian Erfurth   |
|       |       | Microservice Architecture Within In-House Infrastructures for Enterprise Integration and Measurement: An Experience Report<br>- <i>Sebastian Apel, Florian Hertrampf, and Steffen Späthe</i>                        |
|       |       | Multi-agent Architecture of a MIBES for Smart Energy Management<br>- <i>Jérémie Bosom, Anna Scius-Bertrand, Hai Tran, and Marc Bui</i>  |
|       |       | A C-ITS Central Station as a Communication Manager<br>- <i>Geoffrey Wilhelm, Hacène Fouchal, Kevin Thomas, and Marwane Ayaida</i>   |
| 12:30 | 13:30 | <b>Lunch Break</b>  |
| 14:00 | 15:30 | <b>Session 2: Innovations and Digital Transformation</b> , chair: Gerald Eichler  |
|       |       | Innovation Management Methods in the Aviation Industry<br>- <i>Karl-Heinz Lüke, Johannes Walther, and Daniel Wäldchen</i>   |
|       |       | Digital Transformation in Companies – Challenges and Success Factors<br>- <i>Marcus Wolf, Arlett Semm, and Christian Erfurth</i>  |
|       |       | Smart Mirror Devices: For Smart Home and Business<br>- <i>Sven Von Hollen and Benjamin Reeh</i>   |
| 15:30 | 16:00 | <b>Coffee Break</b>   |
| 16:00 | 17:00 | <b>Keynote: Peter Ševčík, Dept. of Technical Cybernetics, Faculty of Management Science and Informatics, University of Žilina</b><br>- Internet of everything, “Anything that can be connected, will be connected.” |
| 17:00 | 19:00 | <b>Relax (wellness &amp; climbing)</b>  |
| 19:30 |       | <b>Welcome Party</b>  |

## Tuesday – 19<sup>th</sup> June

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| 09:00 | 11:30 | <b>Session 3: Data Analytics and Models</b> , chair: Andreas Lommatzsch   |
|       |       | Dynamic Social Network Analysis Using Author-Topic Model<br>- <i>Kim Thoa Ho, Quang Vu Bui, and Marc Bui</i>  |
|       |       | Concept of Temporal Data Retrieval Undefined Value Management<br>- <i>Michal Kvet and Karol Matiasko</i>  |
|       |       | New Method for Selecting Exemplars Application to Roadway Experimentation<br>- <i>Emilien Bourdy, Kandaraj Piamrat, Michel Herbin, and Hacène Fouchal</i>   |
| 10:30 | 10:45 | <b>Coffee Break</b>   |
|       |       | Temporal Flower Index Eliminating Impact of High Water Mark<br>- <i>Michal Kvet and Karol Matiasko</i>  |
|       |       | Acoustic Signal Analysis for Use in Compressed Sensing Application<br>- <i>Veronika Olešnaníková, Ondrej Karpiš, Lukáš Čechovič, and Judith Molka-Danielsen</i>   |
| 11:30 | 13:30 | <b>Lunch Break</b>  |
| 13:30 | 15:00 | <b>Session 4: Community and Public Collaboration</b> , chair: Karl-Heinz Lüke   |
|       |       | Applying Recommender Approaches to the Real Estate e-Commerce Market<br>- <i>Julian Knoll, Rainer Groß, Axel Schwanke, Bernhard Rinn, and Martin Schreyer</i>   |
|       |       | Next Generation Chatbot-Framework for the Public Administration<br>- <i>Andreas Lommatzsch</i>  |
|       |       | Experimenting a Digital Collaborative Platform for Supporting Social Innovation in Multiple Settings<br>- <i>Thomas Vilarinho, Ilias O. Pappas, Simone Mora, Inès Dinant, Jacqueline Floch, Manuel Oliveira, and Letizia Jaccheri</i> |
| 15:00 | 15:15 | <b>Coffee Break</b>   |
| 15:30 | 19:00 | <b>Hiking trip in National Park Malá Fatra</b> parking lot at <b>Hotel Diery (or wellness)</b>  |
| 20:00 |       | <b>After Party</b>  |

## Wednesday – 20<sup>th</sup> June

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| 09:00 | 10:30    | <b>Session 5: Short papers</b> , chair: Michal Hodoň   |
|       |          | Secured Domain of Sensor Nodes - A New Concept<br>- <i>Janusz Furtak, Zbigniew Zieliński, and Jan Chudzikiewicz</i>  |
|       |          | Trends in Application of Machine Learning to Network-Based Intrusion Detection Systems<br>- <i>Jakub Hrabovsky, Pavel Segec, Marek Moravcik, and Jozef Papan</i> |
|       |          | Acoustic Signal Classification Algorithm for WSN Node in Transport System<br>- <i>Róbert Žalman, Michal Chovanec, Martin Revák, and Ján Kapitulík</i>            |
| 10:30 | 10:40    | <b>Short Break</b>   |
| 10:40 | 11:00    | <b>Announcement of I4CS 2019</b> (Karl-Heinz Lüke)   |
| 11:00 | 11:10    | <b>Young Scientist, Best Paper and Best Presentation Award Ceremony</b>  |
| 11:10 | 11:30    | <b>Final Remark and Closing Session</b>  |
| 11:30 | 12:30    | <b>Lunch Break</b>   |
| 12:30 | open end | <b>Social Networking: Open Discussion Space</b>  |

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Venue at: Village Resort Hanuliak, Oslobodenia 1071/118, 01305 Belá, Slovakia