
**15TH STUDENT RESEARCH CONFERENCE
IN INFORMATICS AND INFORMATION TECHNOLOGIES**

IIT.SRC 2019

**FACULTY OF INFORMATICS AND INFORMATION TECHNOLOGIES
SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA**

8:45

10:00

11:00

12:00

13:00

14:00

15:00



Otvorenie
konferencie

**Michel
Chaudron**

Aula Magna
- 1.61

8:45 - 10:00

**TP CUP
Blok I**

10:15 - 11:45

**Prezentácie
posterov
BLOK I**
10:15 - 11:45

RAUT

**TP CUP
Blok II**

12:30 - 14:00

**Prezentácie
posterov
BLOK II**
12:30 - 14:00

Panelová
diskusia

Aula Magna
-1.61

**Záver
konferencie**

**Aula Magna
- 1.61**

14:45 - 15:30

FIITAPIXEL

■ **Presentations in poster sections:**

- ◆ Intelligent Information Processing and Data Analysis
- ◆ Machine Learning and Optimization A,B
- ◆ Web Science and Engineering
- ◆ Software Engineering
- ◆ Computer Networks, Computer Systems and Security and Computer Systems
- ◆ Innovation Applications

■ 10:15-11:45 Session I

■ 12:30-14:00 Session II

■ **Vote for the best IIT.SRC 2019!**

Accompanying Events

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- **Innovative Applications**

- **Best team competition
TP CUP 2019 showcase**

- ◆ 10:15 – 11:45 Session I
- ◆ 12:30 – 14:00 Session II



- **Photography – the art of the moment**

- ◆ Vote for your photo favorite

**FIIT Festival Award
Ceremony 14:45**



Accompanying Events

„Aké možnosti otvára doktorát?“ discussion

- ◆ **13:55 – 14:45, Aula Magna**
- ◆ Dr. Tomáš Kramár
 - Co-Founder & CTO, Luigi's Box Inc.
- ◆ Dr. Attila Štrba
 - Software Test Manager, ESR Labs AG
- ◆ Dr. Štefan Sabo
 - Senior Java Developer, Aspecta, s.r.o
- ◆ Dr. Peter Krátky
 - Data Scientist, Instarea
- ◆ Dr. Jakub Šimko
 - Assistant professor, FIIT STU



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TP Cup 2019



Best Paper Candidates

- Bachelor degree
 - ◆ **Viktor Valaštín.** Blockchain based Car-sharing Platform
 - ◆ **Martina Kolibášová.** Biometric User Identification in Virtual Reality
 - ◆ **Peter Mačinec.** Improving Fake News Detection with Thematically Similar News Groups
 - ◆ **Ivan Petrov.** Generating Graphs on a Grid

Best Paper Candidates

■ Master degree

- ◆ **Ján Čegiň.** Test Data Generation using Reinforcement Learning
- ◆ **Michal Škuta.** Automated Integration of Dynamic Power Management into FPGA-based Design
- ◆ **Jakub Pullmann.** Increasing Communication Efficiency of IoT Devices by Minimizing Collisions
- ◆ **Andrej Vítek.** Extracting Temporal Eye Gaze Features Using Hidden Markov Modelling
- ◆ **Peter Tibenský.** Context-aware Adaptive Personalized Recommendation: A Meta-hybrid
- ◆ **Michal Selický.** Clustering-based Image Segmentation with Custom Distance Metric
- ◆ **Ľubomír Samotný.** Cognitive Style Influence on Individual Web Navigation
- ◆ **Ján Skalný.** Implementing Ethernet Ring Protection Switching for FreeBSD
- ◆ **Štefan Grivalský.** Segmentation of Gliomas in Magnetic Resonance Images using Recurrent Neural Networks

Best Paper Candidates

- Doctoral degree
 - ◆ **Samuel Pecár.** Neural Model Ensemble for Suggestion Mining
 - ◆ **Martin Tamajka.** Transforming Convolutional Neural Network to an Interpretable Classifier
 - ◆ **Matúš Pikuliak.** Combining Multitask and Multilingual Learning with Parameter Sharing
 - ◆ **Juraj Petrík.** Source Code Stylochronometry: Time Matters?

INNO Space, Terrasse

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And now keynote by

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**MICHEL
CHAUDRON**

**EMPIRICAL STUDIES INTO THE EFFECTIVENESS
OF MODELLING IN SOFTWARE DESIGN**

April 17, 2019, 8:45 AM
Aula Magna, -1.61

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Professor at the Chalmers & Gothenborg University, Sweden

Prof. Michel R. V. Chaudron

- *Education:* M.Sc. University of Oxford (1991), M.Sc. Leiden University (1992), Ph.D. Leiden University (1997)
- *Academic carrier:* Assistant Prof. (1999-2007), Associate Prof. (2007-2008) Tech. Uni. Eindhoven, Prof. (2012-) Chalmers Uni. And Uni. of Gothenburg
- *Research interests:* software architecture and design, software modeling with a special focus on UML, software composition. Empirical studies in software engineering in industrial contexts.
- *Supporting:* (Conf:) MODELS and Euromicro SEAA and (Jnl:) SoSyM and Empirical Studies in Software Engineering (EMSE)
- *Record:* citations GS=3758, Scopus=1586; h-index GS=31, WoS=20

Prof. Michel R. V. Chaudron

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Empirical Studies into the Effectiveness of Modelling in Software Design



Študentskú vedeckú konferenciu podporujú

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