14th Student Research Conference in Informatics and Information Technologies

IIT.SRC 2018

Faculty of Informatics and Information Technologies
Slovak University of Technology in Bratislava
Program

Presentations in poster sections:
- Web Science and Engineering
- Software Engineering
- Computer Graphics, Multimedia and Computer Vision
- Computer Networks, Computer Systems and Security
- Computer Science and Artificial Intelligence
- Intelligent Information Processing

10:15-11:45 Session I
13:30-15:00 Session II

Vote for the best IIT.SRC 2018 poster!
Accompanying Events

- Innovative Applications
- Best team competition TP CUP 2018 showcase
  - 10:15 – 11:45 Session I
  - 13:30 – 15:00 Session II
- Photogallery: The Art of the Moment
  - Vote for your photo favorite

FIIT Festival Award Ceremony 15:30
Best Paper Candidates

Bachelor degree

- **Adam Puškáš.** Household Load Profile Creation based on Clustering Time-series Data for a PV System Recommender Application
- **Alexander Valach.** Utilization of the LoRa Technology in Healthcare IoT Devices
- **Peter Pavlík.** Dynamic Weighted Majority in Ensemble Learning
Best Paper Candidates

Master degree

- **Martin Ilavský.** New Testing Scenarios for MANET Routing Protocols
- **Mária Dragúňová.** Working Memory Capacity Identification: Considering Eye Movements in Saliency-based AOIs
- **Patrik Berger.** User Churn prediction in online retail sector
- **Martin Olejár.** Semantic Conflict Detection in Software Models
- **Barbora Pavlíková.** Patterns Recognition in EEG
- **Martin Nemček.** Fast Density-based Downsampling of Cytometry Data
- **Tomáš Juhaniak.** Automatic Detection of Cognitive Load from Pupil Dilation in Real World Scenarios
- **Štefan Grivalský.** Automated Segmentation of Brain Gliomas using Convolutional Neural Networks
- **Martin Hoang.** Cubely: Virtual Reality Block-based Programming Environment
Best Paper Candidates

- Doctoral degree
  - **Peter Gašpar.** User Feedback Interpretation for Personalized Recommendation: Visual Bias Analysis
  - **Lukáš Marták.** Polyphonic Note Transcription of Time-domain Audio Signal with Deep WaveNet Architecture
  - **Kristián Košťál.** 802.11 Seamless Handover using Common SDN Control Channel
  - **Jaroslav Loebl.** Gems in Cartesian Genetic Programmin - Preliminary Report
55 and 15 Celebration

- Conferment of a honorary degree Doctor honoris causa prof. Bebo White
- Student Research Conference IIT.SRC 2018
- Cristina Conati: The Eyes Are the Windows to the Mind: Implications for Intelligent User Interfaces
- Awarding Ceremony
- Spring School - Bebo White: Cryptocurrencies and Blockchain
AND NOW...

KEYNOTE BY
Cristina Conati
University of British Columbia, Canada
Cristina Conati

- Academic carrier: Assistant Prof. (1999-2005), Associate Prof. (2005-2016), Prof. (2016-) all U. of British Columbia
- Goal: to integrate research in Artificial Intelligence, Human Computer Interaction and Cognitive Science to create intelligent user interfaces that can effectively and reliably adapt to the needs of each user
- Achievements: Best papers at several prestigious journals and conferences (conferences: Intelligent Virtual Agents, UMAP, Intelligent User Interfaces, journals: ACM Trans. Interactive Intelligent Systems)
- Record: citations GS=5961, WoS=893; h-inde GS=39, WoS=13
Cristina Conati

The Eyes Are the Windows to the Mind: Implications for Intelligent User Interfaces