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**14<sup>th</sup> Student Research Conference  
in Informatics and Information Technologies  
IIT.SRC 2018**

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

16:00



**OPENING**

**Cristina  
Conati**

**Aula Magna  
- 1.61**

**8:45 - 10:00**

**TP CUP  
SESSION I**  
10:15 - 11:45

**Presentations  
in poster sections  
SESSION I**  
10:15 - 11:45

**55 and 15  
Celebration**

**Awarding  
Ceremony**

RAUT

RAUT

**TP CUP  
SESSION II**  
13:30 - 15:00

**Presentations  
in poster sections  
SESSION II**  
13:30 - 15:00



**CLOSING**

**Aula Magna  
- 1.61**

**15:30 - 16:00**

**FIITAPIXEL**

# Program

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## ■ **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

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## ■ 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

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## ■ 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

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## ■ 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

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## ■ 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 Loeb.** 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

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

Cristina Conati



University of British Columbia

[Pozvaná prednáška, prezentácia \(.pdf\)](#)



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

**Cristina Conati**  
Dept. of Computer Science,  
University of British Columbia



**18. april 2018, 8:45 AM**  
Aula Magna -1.61, -1.floor, FIIT STU in Bratislava, Ilkovičova 2

# Cristina Conati

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- Education: M.Sc. (Honors) U. of Milan (1988), M.Sc. U. of Pittsburgh (1995), Ph.D. U. of Pittsburgh (1999)
- 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

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

