

# Zpravodaj pro kybernetiku a informatiku

**ČSKI** Česká společnost pro kybernetiku a informatiku

únor  
2018

Člen: CEPIS, ECCAI, IAPR, IASS/AIS, IFAC, IFIP, IT STAR. Založena 1966.

Sekretariát: Pod Vodárenskou věží 2, 182 07 Praha 8 – Libeň

tel: 2 6605 3901

fax: 2 8658 5789

e-mail: cski@utia.cas.cz

<http://www.cski.cz>

## Valná hromada ČSKI

V souladu se stanovami svolává předsednictvo ČSKI výroční valnou hromadu společnosti na čtvrtek 14. června 2018 ve 14 hodin. Valná hromada se bude konat ve vile Lanna (V sadech 1, 16000 Praha 6).

Na programu valné hromady budou zprávy o činnosti a hospodaření ČSKI a diskuse o činnosti společnosti.

V průběhu valné hromady budou slavnostně předány ceny vítězům soutěže Antonína Svobody.

Těšíme se nashledanou s co největším počtem členů.

## Únorové kalendárium

21. I. Sedlár: **From the positive fragment of PDL to its non-classical extensions**

### Odborná skupina pro logiku, pravděpodobnost a usuzování

Vás zve na semináře, které se konají vždy **ve středu** v 10 hodin v zasedacím sále Ústavu informatiky AV ČR (místnost č. 318), Pod Vodárenskou věží 2, 182 07 Praha 8 – Libeň, stanice metra C Ládví.

#### Program:

21. února Igor Sedlár: **From the positive fragment of PDL to its non-classical extensions**

We present a sound and complete binary implicational system for the positive fragment of Propositional Dynamic Logic (PDL). The positive fragment is interesting mainly because its study facilitates the investigation of various non-classical versions of PDL. We provide two examples – a version of PDL based on the Non-associative Lambek calculus and a versions containing a modal De Morgan negation. The talk is based on joint work with Vít Punčochář.

## Volná místa

### Postdoctoral position in Hybrid Systems at the Australian National University

Cyber-Physical Systems Laboratory led by Dr Sergiy Bogomolov is seeking applications for a postdoctoral position on the topic "Verification of Hybrid Systems". The successful candidate will work on algorithms and techniques to support scalable verification of hybrid systems. Candidates working on adjacent topics, which contribute to the broad goal of ensuring safety of hybrid systems such as synthesis of hybrid systems, are encouraged to apply as well. Interest in investigating links between formal methods and areas of artificial intelligence such as AI planning and verification of machine learning algorithms is welcome.

The successful candidate will have a PhD degree (or will be working towards its completion) in Computer Science, Applied Mathematics or a related discipline and be able to demonstrate an excellent research track record in the area of hybrid systems. The position is available immediately and will be open until a suitable candidate has been found. The initial duration of the position is two years and might be extended depending on the candidate's performance and funding availability. The candidate will be offered an internationally competitive salary (around 100K AUD/year + 17% superannuation).

Please send a complete CV including information about your publications and reference writers as well as your motivation letter to Dr Sergiy Bogomolov ([sergiy.bogomolov@anu.edu.au](mailto:sergiy.bogomolov@anu.edu.au)). For more information, please consult <http://www.sergiybogomolov.com/>.

The Australian National University is a top ranked university (#20 world-wide according to QS world university ranking 2017) located in Canberra, the capital city of Australia. Canberra enjoys one of the highest quality of life in the world (most liveable city according to Regional Well-Being Report 2014 by OECD).

## UTFSM, Chile

The Advanced Center for Electrical and Electronic Engineering (AC3E) offers up to FOUR postdoctoral fellowships in the areas of Smart Industry, Energy and Power Systems, and Health Technologies. AC3E was created on 2014 to group individual research efforts into multi- and inter-disciplinary teams and focus research towards industry related problems to spark innovation. The Center is part of UTFSM, the largest and most prestigious universities in Chile and Latin America in the area of science, technology, and engineering. The lines of research of the Center are: Control and Automation, Renewable Energy and Power Conversion, Robotics, Biomedical Systems, Electrical Systems, and Signal Processing and Communications. These lines of research focus their work around the following areas of impact.

#### Areas of Impact

1. Smart Industry.
2. Energy and Power Systems.
3. Health Technologies.

#### Required Documents

1. Cover letter explaining your interest in becoming part of AC3E.
2. Curriculum Vitae, including a list of publications.
3. Evidence of PhD degree.
4. Contact details of at least two referees, that may be contacted for a reference letter.

#### Important Information

- ★ The postdoctoral fellowships are for two years.
- ★ Required documents should be provided in English in a single PDF file.
- ★ The positions are for working at AC3E, located at UTFSM main campus in Valparaiso, Chile.
- ★ Selected candidates are expected to join AC3E no later than July 2018.
- ★ Application deadline is March 5, 2018.
- ★ Applications should be sent to [ac3e@usm.cl](mailto:ac3e@usm.cl) with subject POSTDOCTORAL POSITIONS 2018.
- ★ Additional information can be found at [www.ac3e.cl](http://www.ac3e.cl) and at [www.usm.cl](http://www.usm.cl)
- ★ Further enquiries can be sent to [ac3e@usm.cl](mailto:ac3e@usm.cl)

Juan I. Yuz E., Ph.D.

Director, Advanced Center for Electrical and Electronic Engineering

Associate Professor, Departamento de Electrónica

Universidad Técnica Federico Santa María, CHILE.

<http://profesores.elo.utfsm.cl/~jyuz>

<http://www.ac3e.usm.cl>

## Různé konference

**CSCC 2018** – 22nd International Conference on Circuits, Systems, Communications and Computers, July 14-17, 2018, Majorca, Spain. Paper submissions deadline: March 15, 2018 [www.csccl.com](http://www.csccl.com)

**AMACS 2018** – 2nd International Conference on Applied Mathematics And Computer Science, May 26-28, 2018, Rome, Italy. Paper submissions deadline: April 15, 2018 <http://www.amacs-conf.org/>

**MCSI 2018** – 5th Int.Conf. on Mathematics and Computers in Sciences and Industry, August 25-27, 2018, Corfu Island, Greece. Paper submissions deadline: April 30, 2018 <http://www.mcsi-conf.org/>

**ACS '18** – 18th International Conference on Applied Computer Science, September 26-28, 2018, Dubrovnik, Croatia. Paper submissions deadline: July 26, 2018 <http://www.wseas.org/cms.action?id=18191>

Vydává Česká společnost pro kybernetiku a informatiku pro potřeby svých členů. Neprodejné. Neprošlo korekturami ani jazykovou úpravou. Informace o členství v ČSKI na jejím sekretariátě. Příspěvky pošlete na adresu sekretariátu (přednostně emailem a v elektronické formě LaTeX).

Uzávěrka příštího čísla: 23. února 2018.

Texty z tohoto zpravodaje smějí být uveřejněny jinde jako celek i po částech. Prosíme ovšem o uvedení odkazu na ČSKI jako zdroj.