

# Zpravodaj pro kybernetiku a informatiku

**ČSKI** Česká společnost pro kybernetiku a informatiku

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2015

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

tel: 2 6605 3901

fax: 2 8658 5789

e-mail: [cski@utia.cas.cz](mailto:cski@utia.cas.cz)

<http://www.cski.cz>

## Lednové kalendárium

6. **K. Helisová: Quermass-interakční proces s nekrhovými zrny**  
21. **R. Horčík: Finite Embeddability Property for Residuated Lattices via Regular Languages**

### Odborná skupina aplikované matematické logiky

Vás zve na semináře, které se konají vždy ve středu ve 14 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. ledna **Rostislav Horčík: Finite Embeddability Property for Residuated Lattices via Regular Languages**

Let  $V$  be a variety of residuated lattices axiomatized by a set of identities in the language of idempotent semirings. We characterize when  $V$  has the finite embeddability property via regularity of a certain collection of languages. Several applications of this characterization are presented.

### Odborná skupina pro stereologii

vás zve na *Seminář ze stochastické geometrie*.

Na semináři jsou referovány nové nebo aktuální výsledky z oboru stochastické geometrie, integrální geometrie, geometrické pravděpodobnosti, geometrické statistiky a stereologie.

Seminář se koná v úterý od 15:40 do 17:10 v seminární místnosti Katedry pravděpodobnosti a matematické statistiky MFF UK (Karlín, Sokolovská 83, 1. patro). Zájemci jsou srdečně zváni.

#### Program:

6. ledna **Kateřina Helisová: Quermass-interakční proces s nekrhovými zrny**

## Volná místa

### University of Oxford, UK

EPSRC Centre for Doctoral Training In Autonomous Intelligent Machines and Systems (AIMS)

4-Year PhD (DPhil) Programme

Up to 10 fully-funded studentships for Doctoral Research

Candidates are invited to apply to the University of Oxford's 4-year Autonomous Intelligent Machines and Systems (AIMS) PhD (DPhil) programme. This new and exciting programme provides a completely new perspective to solving the issues of intelligent, autonomous systems by adopting an inter-disciplinary approach. In the next decade our society will be revolutionised by Autonomous, Intelligent Machines and Systems, which can learn, adapt and act independently of human control. The UK has the opportunity to become a world-leader in developing these technologies for sectors as diverse as energy, transport, environment, manufacturing and aerospace. Our CDT will deliver highly-trained individuals versed in the underpinning sciences of robotics, computer vision, wireless embedded systems, machine learning, control and verification. The CDT will advance practical models and techniques to enable computers and robots to make decisions under uncertainty, scale to large problem domains and be verified and validated. Holding one of these studentships will allow you to study the problems and opportunities in Autonomous, Intelligent Systems from many different perspectives, to understand the real-world challenges, and to make a contribution to solving some of the most significant problems society faces today. Applications will be considered from those with degrees at undergraduate (1st or 2:1) and master's level (distinction).

The application deadlines are 23rd January 2015 and 13th March 2015.

For more details, to ask questions, or to learn how to apply, please contact the CDT administrator at [wendy.adams@eng.ox.ac.uk](mailto:wendy.adams@eng.ox.ac.uk), or visit <http://aims.robots.ox.ac.uk>

### PhD/Post-Doc: Technion - Israel Institute of Technology, Israel

Positions for postdoctoral and PhD students are currently available with the Faculty of Aerospace Engineering at the Technion - Israel Institute of Technology (Haifa, Israel, <http://aerospace.technion.ac.il/>).

Postdoctoral Researcher: Funding for a postdoctoral candidate is available for projects related to the analysis and synthesis of networked dynamic and multi-agent systems. The scope of this project is broad, and thus has potential to explore many topics based on the expertise of the candidate. Topics include

- analysis of uncertain multi-agent systems; robustness and H-inf methods
- fault detection and isolation methods for networked systems
- synthesis strategies of network and controller design in uncertain networks
- passivity-based frameworks for multi-agent systems
- network optimization theory for multi-agent systems
- distributed optimization

Successful candidates should have a Ph.D. (or will graduate soon) in Electrical, Aerospace, or Mechanical engineering (or related discipline) with a strong foundation in systems control theory, optimization theory, and familiarity with the broad area of multi-agent networked dynamical systems.

PhD Position: We are eager to recruit exceptional PhD students with a strong interest and background in systems and control theory, robotics, and optimization. Students will be expected to perform research on topics related to multi-agent and multi-robot systems.

Interested applicants for both positions should submit a detailed CV with a list of publications and a research statement to: Asst. Prof. Daniel Zelazo, e-mail: [dzelazo@technion.ac.il](mailto:dzelazo@technion.ac.il)

### Post-Doc: Louisiana State University, USA

One or more Postdoctoral Researcher positions are available in the Louisiana State University Department of Mathematics, starting in January or August 2015. Applications are welcomed in any area of interest to the departmental faculty, including the areas of control and optimization. A required qualification for the positions is a Ph.D or equivalent degree in mathematics or a related area. The department seeks candidates who have potential for research excellence as well as a commitment to graduate and undergraduate education. Minorities and women are strongly encouraged to apply. Application review will begin upon receipt and applications will be accepted until candidates are selected. To apply, please go to <https://www.mathjobs.org/jobs/jobs/6609>.

## Různé konference

**B-Wild2015** – Biometrics in the Wild 2015, Ljubljana, Slovenia, May 8, 2015 (in conjunction with IEEE FG 2015). Paper submission deadline: January 12, 2015. <http://luks.fe.uni-lj.si/bwild15/>

**DE-ID** – De-identification for Privacy Protection in Multimedia, Ljubljana, Slovenia May 4, 2015, (in conjunction with IEEE FG 2015). Paper submission deadline: January 12, 2015. <http://luks.fe.uni-lj.si/deident/>

**IVANN** – The International Work-Conference on Artificial Neural Networks, Palma de Mallorca, Balearic Islands, Spain, June 10-12, 2015. Paper submission deadline: February 6, 2015. <http://iwann.ugr.es/>

**WI'15** – International Conference on Web Intelligence, Singapore, December 6-9, 2015. Paper submission deadline: April 15, 2015. <http://wi-iat15.ntulily.org>

**ICCM2015** – The 6th International Conference on Computational Methods, Auckland, New Zealand, July 14-17, 2015. Paper submission deadline: March 15, 2015. [www.sci-en-tech.com/ICCM2015](http://www.sci-en-tech.com/ICCM2015)

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: 26. ledna 2015.

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