

Zpravodaj pro kybernetiku a informatiku

ČSKI Česká společnost pro kybernetiku a informatiku

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Únorové kalendárium

1. H. Omeri: *Sette, Jaškowski, and beyond*
15. I. Sedlár: *Non-Fregean logics and hyperintensional modalities*

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:

1. února Hitoshi Omeri: *Sette, Jaškowski, and beyond*

One of the simple approaches to paraconsistent logic is in terms of three-valued logics. Assuming the standard behavior with respect to the "classical" values, there are only two possibilities for paraconsistent negation, namely the negation of the Logic of Paradox and the negation of Sette's logic P^1 . From a philosophical perspective, the paraconsistent negation of P^1 is less discussed due to the lack of an intuitive reading of the third value. Based on these, the aims of the paper are twofold. First, I present a semantics for P^1 à la Jaškowski. The new semantics can be seen as an improved version of the so-called society semantics devised by Carnielli and Lima-Marque. Second, based on the new semantics, I discuss a classification of paraconsistent logics.

15. února Igor Sedlár: *Non-Fregean logics and hyperintensional modalities*

It is widely acknowledged that some natural language modalities are hyperintensional, i.e., they do not correspond to properties of propositions (identified, as is usual, with sets of possible worlds). As such, hyperintensional modalities seem to be beyond the expressive capabilities of modal logic. In the first part of the talk, we correct this widespread opinion by generalizing the neighborhood semantics for modal logic to a hyperintensional modal framework. It is pointed out that several kinds of representations of hyperintensional modalities known from the literature are in fact special cases of this general framework. In the second part of the talk, we outline a general study of expansions of propositional logics with hyperintensional modalities.

Volná místa

New York University Abu Dhabi, UAE

The Cyberphysical Systems Lab at New York University Abu Dhabi is hiring researchers at all levels: PhD Student, Postdoctoral Fellow, Research Assistant, in Electrical Engineering or Computer Science.

About: The focus of the Cyberphysical Systems Lab (CPSLab) is to conduct interdisciplinary research across a wide range of topics and applications related to cyberphysical systems, such as: a) distributed algorithms for estimation, optimization and control, b) big data: data mining/machine learning algorithms, c) wireless sensor networks, d) system theory: control & optimization, e) signal processing: sparse sampling and online algorithms, as well as applications in signal processing, transportation, cybersecurity, networking, robotics, and biomedical modeling.

Requirements: Research Assistant and PhD applicants must hold (or be close to completing) an MS degree, and Postdoctoral Fellows a PhD, in Electrical Engineering, Computer Science, or Applied Mathematics with significant research experience in at least one of the aforementioned areas. PhD applicants need to also apply directly to NYU for admission by Dec. 15. A proven publication record, solid mathematical background, excellent communication skills, and the

ability to work in multi-disciplinary teams are essential. Applicants must submit a CV, research statement, cover letter with a brief research plan, along with the names and contact information for three recommenders in a single PDF file to Prof. Nikolaos Freris (nf47@nyu.edu).

Start date & Salary: The start date is flexible. A very competitive salary and benefits package (including relocation, housing, insurance, transportation and conference travel support) are provided note: UAE do not levy any income tax.

For more information, please visit: <https://wp.nyu.edu/cpslab>

About NYUAD: New York University has established itself as a Global Network University, a multi-site, organically connected network encompassing key global cities and idea capitals. The network has three foundational degree-granting campuses: New York, Abu Dhabi, and Shanghai, complemented by a network of 12 research and study-away sites across five continents. Faculty and students circulate within the network in pursuit of common research interests and the promotion of cross-cultural and interdisciplinary endeavors, both local and global. Entering its sixth year, NYU Abu Dhabi has recruited a cohort of faculty who are at once distinguished in both research and teaching. Our students are drawn from around the world and surpass all traditional recruitment benchmarks, both US and global. NYU Abu Dhabi's highly selective liberal arts enterprise is enhanced by an institute for advanced research, sponsoring cutting-edge projects across the Arts, Humanities, Social Sciences, Sciences, and Engineering. NYUAD is housed at a newly built campus in the vibrant city of Abu Dhabi, the capital of UAE.

NYUAD is an Equal Opportunity/Affirmative Action Employer

University of Georgia, USA, PhD position in control of multi-agent systems

We have an opening for an outstanding PhD student to work on developing coverage control algorithms for heterogeneous multi-agent systems. The position is available from May 2017. Candidates should have a strong background in stochastic control, as well as optimization theory. Prior knowledge of multi-agent systems control and graph theory is desirable.

To apply, please submit your CV and a cover letter describing your interest in the position in a single pdf file to Dr. Javad M. Velni at javadm@uga.edu.

PostDoc: Technion-Israel Institute of Technology, Israel

We currently have an open post-doctoral position available in the Faculty of Aerospace Engineering at the Technion. We are seeking outstanding applicants with a strong background in nonlinear control theory, optimization theory, and networked systems. Our research group focuses on a variety of problems related to networked dynamical systems, cooperative control, and multi-agent systems. Interested applicants should send their CV, publication list, and a cover letter summarizing your interests and expertise to Prof. Daniel Zelazo (dzelazo@technion.ac.il).

Různé konference

ICCM2017 – The 8th International Conference on Computational Methods, July 25-29, 2017, Guilin, Guangxi, China. Paper submissions deadline: July 1, 2017. <http://www.sci-en-tech.com/ICCM/index.php/iccm2017/2017>

MMAR 2017 – The 22nd International Conference on Methods and Models in Automation and Robotics, August 28-31, 2017, Miedzyzdroje, Poland. Paper submissions deadline: March 6, 2017. <http://mmar.edu.pl/>

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