

Zpravodaj pro kybernetiku a informatiku

ČSKI Česká společnost pro kybernetiku a informatiku

duben
2018

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

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Dubnové kalendárium

4. T. Moraschini: **Relational semantics for deductive systems I**
5. **The 42nd Pattern Recognition and Computer Vision Colloquium, Spring 2018**
11. T. Moraschini: **Relational semantics for deductive systems II**
18. P. Cintula: **Abstract consequence relations I: from multiset consequence to a general picture**
25. T. Moraschini: **Abstract consequence relations II: the categorial perspective**

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:

4. dubna **Tommaso Moraschini: Relational semantics for deductive systems I**
Relational semantics has proved to be a fundamental tool in the mathematical and philosophical understanding of many non-classical logics, including intuitionistic, modal and substructural logics. Nevertheless, the evolution of the general theory of relational semantics is far behind that of algebraic semantics. In this talk we present a first abstract approach to relational semantics, in the spirit of Abstract Algebraic Logic, which turns out to be deeply connected with the theory of completions of ordered algebras. More in detail, we will consider two basic questions which need to be addressed by any truly general theory of relational semantics:
 1. Can we make precise the idea that a logic has (or does not have) a local relational semantics?
 2. In case a logic has a local relational semantics, what are its distinguished relational models (if any)?If time allows, we will consider the following problems as well:
 3. Can we use the distinguished relational semantics of a propositional logic L to introduce a semantically defined first-order extension L' ?
 4. Can we axiomatize this first-order extension relative to a given axiomatization of the propositional logic L ?
11. dubna **Tommaso Moraschini: Relational semantics for deductive systems II**
18. dubna **Petr Cintula: Abstract consequence relations I: From multiset consequence to a general picture**
We present a generalization of Blok-Jónsson theory of equivalence between structural consequence relation in such a way as to naturally accommodate multiset-based consequence relations as well. While Blok and Jónsson admit, in place of sheer formulas, a wider range of syntactic units to be manipulated in deductions (including sequents and equations), these objects are invariably aggregated via set theoretical union. Our approach is more general in that non-idempotent forms of premiss and conclusion aggregation, including multiset sum and fuzzy set union, are considered.
In the first part we focus on multiset consequence relation, present a natural general framework for their study, introduce basic syntactical and semantic notions and prove completeness.
In the second part we present an abstract categorial framework generalizing Galatos-Tsinakis take on Blok-Jónsson theory.
25. dubna **Tommaso Moraschini: Abstract consequence relations II: The categorial perspective**

Odborná skupina pro rozpoznávání – CPRS

pořádá spolu s Centrem strojového vnímání (CMP) katedry kybernetiky ČVUT FEL dne 5. dubna od 11 hodin

The 42nd Pattern Recognition and Computer Vision Colloquium, Spring 2018

Kolokvium se koná v místnosti č. 301 (K9), FEL ČVUT, Karlovo nám. 13, Praha 2, budova E, 2. poschodí.

Program:

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|-------------|---|
| 10:55-11:00 | Welcome and speaker introduction |
| 11:00-11:45 | Pinar Duygulu (Hacettepe University, Turkey)
From Illustrations to sports videos: How can we utilize the data? |
| 11:45-12:15 | Ahmet Iscen (CMP Prague, Czech Republic)
Ranking on Manifolds for Image Retrieval |
| 12:15-13:15 | <i>Lunch break</i> |
| 13:15-14:00 | John Collomosse (University of Surrey, UK)
Deep Models of Visual Aesthetics for Image Retrieval and In-Painting |
| 14:00-14:45 | Daniel Sykora (CTU Prague, Czech Republic)
Let the machine become the next Rembrandt!
<i>Coffee break</i> |
| 15:30-16:15 | Mathieu Salzmann (EPFL Lausanne, Switzerland)
Bringing Traditional Computer Vision into Deep Learning |
| 16:15-17:00 | Lihi Zelnik-Manor (Technion, Israel)
Maintaining Internal Image Statistics in Synthesized Images |
| 17:00 - | CMP visit (laboratory, demos, posters), informal discussion |

Další informace viz

<http://cmp.felk.cvut.cz/cmp/events/colloquium-2018.04.05/>

Různé konference

ICSTCC 2018 – 22nd International Conference on System Theory, Control and Computing, October 10-12, 2018, Sinaia, Romania. Paper submissions deadline: May 4, 2018. <http://www.icstcc.ugal.ro/2018>

ICSC'18 – 7th International Conference on Systems and Control, October 24-26, 2018, Universitat Politècnica de Valencia, Spain. Paper submissions deadline: May 30, 2018. <http://lias.labo.univ-poitiers.fr/icsc/icsc2018/>

DARS – Int. Symp. on Distributed Autonomous Robotic Systems, October 15-17, 2018, University of Colorado at Boulder, USA. Paper submissions deadline: May 15, 2018. <http://dars2018.org/>

APSAC 2018 – 3rd International Conference on Applied Physics, System Science and Computers, September 26-28, 2018, Dubrovnik, Croatia. Paper submissions deadline: June 30, 2018. <http://www.apsac.co>

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>

EECS 2018 – 2nd European Conference on Electrical Engineering & Computer Science, December 20-22, 2018, Bern, Switzerland. Paper submissions deadline: September 30, 2018. <http://www.eecs-conf.org/>

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

Uzávěrka příštího čísla: 25. dubna 2018.

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