

Zpravodaj pro kybernetiku a informatiku

ČSKI Česká společnost pro kybernetiku a informatiku

leden
2014

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

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Lednové kalendárium

7. Jean-Francois Coeurjolly: Variational approach for spatial point process intensity estimation
8. Karel Chvalovský: Undecidability of Consequence Relation in Full Non-associative Lambek Calculus
15. Felix Bou: An exotic MTL-chain
22. Zuzana Haniková, Petr Savický: On positively, but not fully satisfiable formulas in FLew algebras

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:

7. ledna Jean-Francois Coeurjolly: (Grenoble):
Variational approach for spatial point process intensity estimation

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:

8. ledna Karel Chvalovský: Undecidability of Consequence Relation in Full Non-associative Lambek Calculus
We prove that the consequence relation in the Full Non-associative Lambek calculus is undecidable. An encoding of the halting problem for 2-tag systems using finitely many non-logical axioms in the language $\{., \vee\}$ will be presented. Therefore already the consequence relation in this fragment is undecidable. Moreover, the construction works even when the structural rules of exchange and contraction are added
15. ledna Felix Bou: An exotic MTL-chain
The purpose of this talk is to show an equation in the positive fragment (i.e., multiplicative conjunction, meet, join, top and bottom) that is valid in all BL-algebras, but fails in some MTL-algebra. A 36 element involutive MTL-chain where the equation fails is explicitly given.
22. ledna Zuzana Haniková, P. Savický: On positively, but not fully satisfiable formulas in FLew algebras
This research forms a part of what might, in broad terms, be rendered as an investigation of term-definable functions in FLew algebras. The term 'FLew algebras' comes from a logical calculus, namely, Full Lambek calculus with exchange and weakening. A FLew algebra is a bounded, integral, commutative residuated lattice. The class of FLew algebras is quite broad and it subsumes some well-known classes of algebras for non-classical logics, such as the class of Heyting algebras, or the class of MV-algebras. At the same time, it is relatively straightforward to generalize the (classical) notion of a satisfiable formula to the context of a FLew algebra, due to an existing bounded lattice order and the fact that the least and the greatest element of the lattice, with restricted operations, form a two-element Boolean algebra. For a given FLew algebra A , we investigate the set of propositional formulas that are neither (fully) satisfiable nor (fully) unsatisfiable in A . By a fully satisfiable formula, we mean a formula

that attains the value of the greatest element of the lattice under some evaluation, while a formula is fully unsatisfiable if it attains the value of the least element of the lattice under all evaluations. For some choices of A , the above mentioned set is empty. If non-empty, the set is hard for DP under polynomial-time reducibility.

Různé konference

ICSEng 2014 – 24rd International Conference on Systems Engineering, Las Vegas, USA, August 19-21, 2014. Paper submission deadline: March 21, 2014. <http://www.icseng.com>

WCIT2014 – The Second World Congress on Computing and Information Technology, Kuala Lumpur, Malaysia, March 18-20, 2014. Paper submission deadline: February 18, 2014. <http://sdiwc.net/conferences/2014/wcit2014/>

AICoB 2014 – 1st International Conference on Algorithms for Computational Biology, Tarragona, Spain, July 1-3, 2014. Paper submission deadline: February 4, 2014. <http://grammars.grlmc.com/alcob2014/>

PDCS 2014 – International Conference on Parallel and Distributed Computing Systems, Kharkiv, Ukraine, March 4-6, 2014. Paper submission deadline: February 1, 2014. <http://hpc-ua.org/pdcs-14/>

CDSR'14 – The International Conference of Control, Dynamic Systems, and Robotics, Ottawa, Ontario, Canada, May 15-16, 2014. Paper submission deadline: February 1, 2014. <http://cdsr.net>

ETFA'2014 – 19th IEEE International conference on Emerging Technologies & Factory Automation, Barcelona, Catalonia, Spain, September 16-19, 2014. Paper submission deadline: March 15, 2014. <http://etfa2014.org>

ICCTS 2014 – 2014 International Conference on Communication Technology and System, Shanghai (Kunshan), China, May 9-10, 2014. Paper submission deadline: February 15, 2014. <http://www.iccts-conf.com/>

ICIEE 2014 – 2014 International Conference on Industrial Electronics and Engineering, Hong Kong, May 1-2, 2014. Paper submission deadline: February 1, 2014. <http://www.iciee-conf.org/>

ICT 2014 – 5th Annual International Conference on Infocomm Technologies in Competitive Strategies, Singapore, September 22-23, 2014. Paper submission deadline: March 21, 2014. <http://www.ict-conference.org>

BIH'14 – The 2014 International Conference on Brain Informatics & Health, Warsaw, Poland, August 11-14, 2014. Paper submission deadline: March 2, 2014. <http://wic2014.mimuw.edu.pl/bih/homepage>

DATA 2014 – 3rd International Conference on Data Management Technologies and Applications, Vienna, Austria, August 29-31, 2014. Paper submission deadline: March 18, 2014. <http://www.dataconference.org/>

ICSOFT 2014 – 9th International Joint Conference on Software Technologies, Vienna, Austria, August 29-31, 2014. Paper submission deadline: March 18, 2014. <http://www.icssoft.org/>

ASONAM 2014 – The 2014 IEEE/ACM International Conference on Advances in Social Network Analysis and Mining, Beijing, China, August 17-20, 2014. Paper submission deadline: April 9, 2014. <http://www.asonam2014.org>

MedicReS – 4th World Congress on Good Medical Research, New York, USA, October 16-18, 2014. Abstract submission deadline: May 31, 2014. <http://www.nyc2014.medicres.org>

Vydává Česká společnost pro kybernetiku a informatiku pro potřeby svých členů. Neprodejné. Nepošlo korekturami ani jazykovou úpravou. Informace o členství v ČSKI na jejím sekretariátě. Příspěvky posílejte na adresu sekretariátu (přednostně emailem a v elektronické formě LaTeX). Úzávěrka příštího čísla: 27. ledna 2014. Texty z tohoto zpravodaje smějí být uveřejněny jinde jako celek i po částech. Prosíme ovšem o uvedení odkazu na ČSKI jako zdroj.