

Zpravodaj pro kybernetiku a informatiku

ČSKI Česká společnost pro kybernetiku a informatiku

květen
2018

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

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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.

Květnové kalendárium

16. 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:

16. května Tommaso Moraschini: Abstract consequence relations II: the categorial perspective

Volná místa

Lund University, Sweden

Positions as PhD student at the Department of Automatic Control, Lund University.

The department has a stimulating and international environment consisting of PhD students, postdocs and teachers coming from all corners of the world. Research and teaching are conducted in an open and progressive atmosphere with challenges and cooperation both within academia and with industry, with national and international networks. Lund University and the Department of Automatic Control welcome applicants with diverse backgrounds and experiences. See <http://www.lth.se/english/about-lth/divacant-positions>.

University of Waterloo, Canada

John W. Simpson-Porco at the University of Waterloo seeks a post-doctoral fellow in the area of decentralized wide-area control design for modern power systems. The project is titled "Wide-Area Hierarchical Frequency and Voltage Control for Next Generation Transmission Grids". The broad research objective is to leverage the latest advances in controller synthesis and distributed optimization to design real-time controllers for power transmission (and eventually, distribution) systems. A distinguishing aspect of the project will be a focus on blending modern principled controller design procedures with both hierarchical control and distributed optimization approaches. Responsibilities will include the principled design of distributed control solutions for power systems, and the extensive validation of these control solutions using realistic power system models.

The successful candidate must hold (1) a Ph.D. degree in either systems and control theory, convex optimization, or power system dynamics and control, (2) have an established track-record of academic publications in top venues, (3) have exceptional written and verbal communication skills, and (4) be highly motivated to make contributions in the area of decentralized power system control.

To apply, E-mail your CV, a Google Scholar link, two to three representative publications, and a list of three references to jwsimpson@uwaterloo.ca

Information on the PI: <https://ece.uwaterloo.ca/~jwsimpso/>

Uppsala University, Sweden

Postdoctoral position Secure and Energy-Neutral Signal Processing and Control over Networks

The position is at the Signals and Systems division, Department of Engineering Sciences, The Angstrom Laboratory, Uppsala University. The position is for two years starting 2018-05-01 or as soon as possible thereafter.

Duties: To conduct original research in the area of signal- and information processing and control over wireless sensor networks, in particular, (i) theoretical analysis of secure and resilient networked estimation and control subject to malicious attacks such as denial of service, data integrity and eavesdropping attacks, (ii) game theoretic algorithms for strategic system design, and (iii) integration of energy harvesting based sensor networks in estimation and control of dynamical systems. Relevant areas also include distributed and decentralized estimation- and control algorithm design, e.g., with respect to wireless control applications.

Experience of theoretical and experimental work within the field is important, as is experience of extensive programming in MATLAB and preferably also in LabVIEW. The duties include theoretical analysis, algorithm design and implementation via software based simulations, and documentation in the form of technical papers and reports. Some teaching in the undergraduate and/or graduate education and supervision of PhD students may be included in the position not exceeding 20%.

Qualifications required: To qualify for an employment as a post-doctor, the applicants must hold a PhD degree or a foreign qualification deemed equivalent to a PhD and the PhD degree must have been obtained no more than three years prior to the application date; however, for example, periods of sick leave or parental leave are deducted from the three-year period.

For this position it is required to have PhD in Automatic Control, Signal Processing or Wireless Communications with applications to networked systems or a closely related subject with high quality publications in the related area of signal processing, control and wireless communications. Particular emphasis will be placed on a strong mathematical background (including stochastic control and optimization theory, game theory (desirable), and systems and control theory), and documented research experience in signal and information processing/control for/via wireless sensor networks.

For further information about the position, please refer to

<http://www.uu.se/en/about-uu/join-us/details/?positionId=198825>

or contact Professor Subhrakanti Dey (Subhrakanti.Dey@signal.uu.se) or Prof Anders Ahlen (anders.ahlen@signal.uu.se). Information about the division of Signals and Systems can be found at www.signal.uu.se.

Různé konference

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://apsac.org/>

MMMAS 2018 – The 2018 International Conference on Mathematical Models and Methods in Applied Sciences, October 6-8, 2018, Budapest, Hungary. Paper submissions deadline: August 6, 2018. <http://www.inase.org/conferences/2018/budapest/mmmas.htm>

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. 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: 25. května 2018.

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