

Zpravodaj pro kybernetiku a informatiku

ČSKÍ Česká společnost pro kybernetiku a informatiku

únor
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Únorové kalendárium

26. Petr Cintula: Skolem and Herbrand theorems for substructural logics

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:

26. února Petr Cintula: Skolem and Herbrand theorems for substructural logics

Herbrand and Skolemization theorems are obtained for a broad family of first-order substructural logics. These logics typically lack equivalent prenex forms, a deduction theorem, and reductions of semantic consequence to satisfiability. The Herbrand and Skolemization theorems therefore take various forms, applying either to the left or right of the consequence relation, and to restricted classes of formulas.

Volná místa

University of Science and Technology, China

Postdoc Position 1: Multi-agent systems control;
Postdoc Position 2: Multi-axis machining system dynamics and active control;
Postdoc Position 3: Macro-micro positioning control

Huazhong (CentralChina) University of Science and Technology (HUST) invites applicants for a postdoctoral research associate in the topics of multi-agent systems control, Multi-axis machining system dynamics and active control and macro-micro positioning control, starting from early 2014. The appointment is, initially, for the duration of one year; however, it can be extended to the maximum of three subsequent years, based on performance. Applications should not be older than 40 and should have PhD in Automatic Control, Electrical Engineering, Mechanical Engineering and relevant subjects. The proposed research, which is an endeavor of the State Key Lab of Digital Manufacturing Equipment and Technology, and School of Automation of HUST, will mainly focus on

1- Research on natural collective behaviors, exploring the mathematical evidences of flocking dynamics and extracting the concrete principles among the abundant swarming/flocking phenomena, and applying the flocking rules to multi-robot systems and unmanned airplanes' formation control;

2- Complex surface workpieces like turbine blades and vanes are widely used in industrial applications including aerospace, power, marine and national defense engineering. This scheme focuses on the development of intelligent spindle embedded with active controllers. This spindle can be expected to substantially attenuate the machining chatters so as to greatly improve the machining efficiency;

3- Research on nano-positioning control, nano-electrospraying control and micro-environment (including thermal/electric/magnetic fields and anti-oscillation) control for nano-manufacturing, revealing the mathematical nature of nano-scale manufacturing systems and extracting the concrete mechanisms among them;
The salary and benefits are as follows:

1- Annual salary CNY 120,000 (\$ 19,957).

2- Furnished accommodation not smaller than 50m² from the date of the arrival (rents partially at the employee's expense according to HUST HR policy for Post-Docs <http://202.114.18.8:8085/sort.asp?id=158>).

3- Health insurance with respect to HUST HR policy for Post-Docs.

4- Additional allowance up to CNY 20,000/Y according to the performance.

If interested, please send your CV together with a cover letter and the names of three professional references, to

Prof. Hai-Tao Zhang, State Key Lab of Digital Manufacturing Equipment and Technology, School of Automation, Huazhong University of Science and Technology, Wuhan City, P.R.China
zht@mail.hust.edu.cn

Harbin Institute of Technology, China

The Division of Control and Mechatronics Engineering at Harbin Institute of Technology, Shenzhen Graduate School (HITSZ) invites applications for several faculty positions at all ranks. We are seeking candidates with excellent credentials in the areas of systems and control, wind energy, power systems and smart grids. Applicants must have a Ph.D. or equivalent in electrical, mechanical and power systems engineering and need to show strong research record and potential. Successful candidates will be received a joint appointment in the Center of Systems and Control. The Division currently has 11 full-time faculty members, and is expected to grow to 20 faculties in the next few years. HITSZ offers a competitive salary and the salary levels at HITSG for these positions are substantially higher than those provided by most universities in China, with full professor in the range of RMB 170K to 230K per year, associate professor in the range of RMB 130K to 160K per year, and assistant professor in the range of RMB 90K to 110K per year. Bonus is a plus for all levels, subject to faculty's performance. Interested candidates can send detailed CV, list of publications, statement of research (no more than 3 pages), teaching interests (no more than 2 pages), and a cover letter including contact information of three references to: Ms. Zhao, School of Mechanical Engineering and Automation, HIT Campus Shenzhen University Town, Xili, Shenzhen, Guangdong, P. R. China 518055 or email the documents to scc.hitsz@gmail.com

Georgia Institute of Technology, USA

The School of Aerospace Engineering at the Georgia Institute of Technology invites nominations and applications for a faculty position in the general area of autonomous and intelligent control systems, with emphasis on aerospace vehicles and systems, and their interaction with human operators. The appointment is expected to be at the Assistant Professor level, but appointments to the Associate or Full Professor level will be considered for exceptional candidates having demonstrated a superior research and teaching record with a strong commitment to aerospace applications. Candidates are required to have a doctorate in Aerospace Engineering, Electrical or Computer Engineering, Computer Science, or another closely related field. The successful candidate should have an outstanding research record and will be expected to teach graduate and undergraduate courses in his/her area of expertise, supervise graduate students, and interact with the faculty on the development of a strong, independent, externally funded research program. The candidate will also be expected to interact with the newly established Institute for Robotics and Intelligent Machines (IRIM) at Georgia Tech. The Aerospace Engineering program at Georgia Tech is the largest program of its kind in the US, having approximately 40 full-time faculty members, and more than 800 undergraduate students and 500+ graduate students. Its undergraduate and graduate programs are typically ranked among the top aerospace engineering programs in the nation. The research interests of the faculty cover a broad spectrum including gas dynamics, propulsion, combustion, aerodynamics, structural mechanics, flight mechanics, orbital mechanics, rotorcraft, aircraft and space systems design, dynamics and control, air-traffic control, and cognitive engineering. Information about the School can be found at www.ae.gatech.edu. Applicants should send (electronically or via mail) a curriculum vitae, a cover letter, a statement of teaching interests and philosophy, a statement of research plans, and the name and contact information of at least three references to: Michelle Hall, c/o Professor Panagiotis Tsiotras, Search Committee Chair on Autonomy, School of Aerospace Engineering, Georgia Institute of Technology, Atlanta, GA, 30332-0150. Phone: (404) 385-3819, e-mail: michelle.hall@ae.gatech.edu The Georgia Institute of Technology is an equal opportunity/ affirmative action employer.

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