

## 中国自动化学会第23届青年学术年会(YAC2008)征文通知

中国自动化学会青年学术年会是由中国自动化学会青年工作委员会组织召开的全国性学术会议,自1985年首届年会召开以来,已举办了22届.第23届青年学术年会将于2008年10月17~19日在湖北武汉召开.本次会议由中国自动化学会、中国自动化学会青年工作委员会主办,华中科技大学控制科学与工程系和武汉理工大学自动化学院承办.届时,秋高气爽,黄鹤楼登高,东湖泛舟,磨山赏乐,归元寺礼佛,亦可深入神农架林区探幽,上武当山论剑,不亦乐乎?借此机会,热烈欢迎全国各高等院校教师、科研院所和企事业单位的青年科技工作者及博士生、硕士生积极参加.会议录用的论文编入中国自动化学会青年学术年会系列论文集,由武汉理工大学出版社出版,优秀论文可推荐到系统工程与电子技术等期刊上发表.

### 征文范围:

- 1) 系统与控制理论、大系统、非线性系统、稳定性与镇定;
- 2) 自适应、预测、变结构控制、优化控制、鲁棒控制与 $H_\infty$ 控制;
- 3) 模糊系统与控制、神经网络与控制、人工智能与专家系统、学习控制;
- 4) 机器视觉、图像处理、模式识别;
- 5) 智能机器人与机器人控制;
- 6) 智能仪表、过程控制系统;
- 7) 传感器与检测技术;
- 8) 数据融合与软测量;
- 9) 系统建模、辨识与估计;
- 10) 仿真与控制系统CAD;
- 11) 故障诊断与容错控制;
- 12) 分布式控制系统;
- 13) CIMS 与制造系统;
- 14) 自动化指挥系统;
- 15) 电力系统及其自动化;
- 16) 电机驱动与运动控制;
- 17) 系统工程理论与方法;
- 18) 复杂系统与复杂网络;
- 19) 混杂系统与DEDS、调度与决策;
- 20) 智能演化计算;
- 21) 生物系统的建模、控制与仿真;
- 22) 电动车辆与智能交通;
- 23) 社会经济系统与控制;
- 24) 其他.

### 征文要求:

- 1) 论文应具有一定的学术或实用价值,未在国内外学术期刊或会议发表过;
- 2) 来稿中英文皆可,请用Word或LaTeX编排,格式参考自动化学报;
- 3) 论文第一作者的年龄一般不超过40岁;
- 4) 投稿系统及未尽事宜见<http://cse.hust.edu.cn>, <http://public.whut.edu.cn/zdhxy/zdhxy>.

### 重要日期:

论文提交截止日期: 2008年5月31日(投稿系统启用时间暂定2008年3月31日)

论文录用通知日期: 2008年7月1日

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## Call for Papers

A special issue of the International Journal on Systems, Control and Communications (IJSCC)  
Information Processing and Decision Making in Distributed Control Systems

Submission Deadline: 30 April 2008

Tentative Publication Date: Fall 2008

### Focus:

This special issue focuses on the highly interdisciplinary research on the theory and application of distributed control and communication systems. The increasing use of heterogeneous channels such as the Internet or dedicated bus lines, particularly in the context of distributed systems, challenges conventional assumptions of perfect communication and instantaneous observation, and calls for the development of systematic optimal control design tools for distributed control systems. This special issue aims at presenting research from various disciplines in a coherent context, which can serve as a guide for research in information processing and decision making over communication networks and uncertain information channels.

### Topics:

- Optimal and robust control under decentralized information structures
- Design algorithms and principles for distributed control systems, including design with partial information
- Distributed consensus, agreement, and optimization
- Stochastic dynamic games and teams
- Distributed sensing over noisy channels
- Distributed control under rate and distortion constraints
- Multi-terminal information theory: Source and Channel Coding
- Graphical models in distributed control
- Distributed estimation and diagnosis

### Author Information:

All papers are refereed through a peer review process. Submitted papers should present original work and should not have been previously published, nor be currently under consideration for publication elsewhere. Potential authors of this special issue are invited to electronically submit paper manuscripts to one of the Special Issue editors below:

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