



## 征文通知

**2009 IASTED 机器人技术, 远程信息处理与应用  
国际会议  
~RTA 2009~**

中国 北京

**2009 年 10 月 12 日- 14 日**

主办者: 加拿大国际科技发展学会 (IASTED)

\* 机器人技术委员会

\* 电信技术委员会

协办者: 中国, 清华大学



[清华大学, 中国](#)

## 会议主席

### [陈恩教授, 中国](#)

清华大学精密仪器与机械学系  
制造工程研究所（国家 CIMS 工程中心）所长, 中国

## 主题演讲者

### ["Precision Telematics and Micro-manipulation"](#)

#### [Prof. Tong Heng Lee \(Singapore\)](#)

Professor & Cluster Head (Control Systems)  
Dept of ECE, National University of Singapore  
Deputy Editor-in-Chief, IFAC Mechatronics International Journal

## 会议背景介绍

本次会议将围绕机器人技术, 远程信息处理与应用的主题, 为机器人技术, 远程信息处理与应用提供一个相互交流, 沟通与合作的国际平台。

在北京与本次会议同期举行的 **IASTED** 国际会议还有:

- 亚洲地区电力和能源系统 (Asia PES 2009)
- 建模, 仿真和鉴定技术 (MSI 2009)
- 通信系统, 网络及其应用 (CSNA 2009)
- 管理科学与风险评估及改进国际会议(AMSRA 2009)

## 征文范围

论文题目包括, 但不仅限于以下内容:

### 机器人 **Robotics**

- 机器人设计与体系结构—Robot Design and Architecture
- 编成或程序设计—Programming
- 人工智能—Artificial Intelligence
- 建模, 辨识与控制—Modelling, Identification, and Control
- 运动规划与调度—Motion Planning and Scheduling
- 路径规划—Path Planning
- 控制—Control
- 机械手—Manipulators
- 计算机视觉—Computer Vision

- 模拟识别—Pattern Recognition
- 机器人感知与数据融合—Robot Sensing and Data Fusion
- 微机器人学—Micro-Robotics
- 多媒体机器人学—Multimedia Robotics
- 机器人仿真—Robot Simulation
- 仿生机器人学—Biomimetic Robotics

### 远程通信技术 **Telematics**

- 遥测机器人学—Telerobotics
- 远程维护, 远程服务, 远程医疗—Telemaintenance, Tele-Services, Tele-Medicine
- 交通或道路通信技术—Traffic Telematics
- 设备管理—Facility Management
- 远程教育—Telematics in Education (E-learning)
- 安全方面—Security Aspects
- 车载通信技术—Vehicle Telematics

### 通信与信息处理 **Communication and Information Processing**

- 分布式信息系统—Distributed Information Systems
- 环球移动通信系统—Universal Mobile Telecommunication Systems (UMTS)
- 服务质量—Quality of Service
- 安全方面—Security Aspects
- 互联网技术—Internet Techniques
- 传感器网络—Sensor Networks

### 应用 **Applications**

- 航天—Aerospace
- 农业应用—Agricultural Applications
- 汽车—Automotives
- 生物力学—Biomechanics
- 生物医学—Biomedical
- 教育—Education
- 飞行模拟器—Flight Simulators
- 卫生保健与康复—Health Care and Rehabilitation
- 工业自动化—Industrial Automation
- 制造业—Manufacturing
- 医学机器人—Medical Robotics
- 手术应用—Surgical Applications
- 无人水下航行器—Unmanned and Underwater Vehicles

- 个人机器人—Personal Robots
- 社会机器人—Social Robots
- 其他—Other

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