



人工智能学术研讨会 Academic Symposium on Artificial Intelligence (2019.11.4-8)

报告

机器人面临的“智能”挑战

The Intelligence Challenges in Robotics

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讲者介绍 Biography

侯增广，中国科学院自动化研究所研究员、博士生导师，复杂系统管理与控制国家重点实验室副主任，脑科学与智能技术卓越创新中心核心骨干，是国家杰出青年基金获得者、“万人计划”入选者，IEEE Fellow。目前担任中国自动化学会副理事长、北京人工智能学会副理事长、智能机器人专业委员会副主任委员、国际神经网络学会(INNS)理事(BOG)，是《IEEE Transactions on Cybernetics》、《Neural Networks》等期刊编委。曾获得2017年度国家自然科学基金二等奖、亚太神经网络学会(APNNS)“杰出贡献奖”(Outstanding Achievement Award)、2014年度《IEEE Transactions on Neural Networks》“最佳论文奖”(Outstanding Paper Award)等。主要研究兴趣包括计算智能、智能系统、手术和康复机器人等。

Zeng-Guang Hou Dr. Hou is a Professor and Deputy Director of the State Key Laboratory of Management and Control for Complex Systems, Institute of Automation, Chinese Academy of Sciences. He is a VP of Chinese Association of Automation (CAA). He is an IEEE Fellow. He is on the Board of Governors of International Neural Network Society (INNS). Dr. Hou is an Associate Editor of the IEEE Transactions on Cybernetics, and an Editorial Board Member of Neural Networks. Dr. Hou's research interests include computational intelligence, robotics, and intelligent systems. Dr. Hou was a recipient of the National Outstanding Youth Fund in 2012, IEEE Transactions on Neural Networks Outstanding Paper Award in 2013, and the National Natural Science Award of China (2nd-Prize) and the Outstanding Achievement Award of Asia Pacific Neural Network Society (APNNS) in 2017.

报告摘要 Abstract

机器人在快速发展，同时也面临诸多来自“智能”的挑战。结合医疗和康复机器人的前沿技术与实际应用问题，阐述相关领域的困难问题与机遇，以及对未来发展的若干思考。

Robotics are rapidly developing, but also facing various 'intelligence' challenges. We will discuss critical issues and cutting-edge technologies related to research and practical applications of medical and rehabilitation robots. We will explore the opportunities in this field, and outlook the future.

有兴趣合作之项目 Interested topics for future collaboration

智能机器人、康复机器人、医疗机器人