

演讲题目: 机器人的现状与未来趋势

Title of Talk: Current Progress and Future Trend of Robotics

演讲嘉宾:

谢明, 副会长, 新加坡-中国科学技术促进协会

Speaker:

Xie Ming, Deputy President, Singapore-China Association for Advancement of Science and Technology

内容简介:

机器人是当下的热门话题。机器人的使用一方面可以帮助人们从事复杂艰苦的劳动, 另一方面可以把人工从危险的工作中解放出来。鉴于人们对机器帮人的期盼在不断地高涨, 有必要如实地回顾一下今天的科技能保障机器人做什么, 以及未来的科技突破又能支撑机器人做什么难度更大的工作。因此, 这个报告的主要内容是围绕机器人的技能和智能, 简略地阐述机器人科技发展的现状和未来趋势。

Talk Description:

Robotics is gaining more and more popularity. This is due to the increasing demand of using robots to assist people to efficiently perform difficult tasks, or to free people from doing dangerous jobs. As a result, people put a high level of expectations on robots in terms of skills and intelligence. Therefore, it becomes necessary to tell people honestly what are achievable with today's progress and what will be achievable with future breakthroughs. In this talk, we will give a quick overview on the current progresses in robotics and highlight some important future trends of robotics research which need to receive attention and funding in order to push the applications of robots to a new height.



#### 嘉宾简介:

谢明，男，祖籍江西瑞金，生于江西南昌，本科就读于自动化专业，毕业前夕考取中国政府公派留法研究生，获法国瓦朗西大学自动化专业硕士学位，法国雷恩大学信息学博士学位。担任过法国国立计算机与自动化研究院 INRIA 的专家工程师，新加坡-麻省理工大学联盟下的研究生课程授课老师 (SMA Fellow)，新加坡南洋理工大学的讲师/高级讲师。现任新加坡南洋理工大学副教授，南京工业大学教授，南京工业大学电气工程与控制科学学院院长，国际人形机器人学术期刊 (IJHR, SCI/SCIE Indexed) 主编，新加坡-中国科学技术交流促进会 (SCAAST) 常务副会长，新加坡机器人专业协会 (RSS) 会长。获美国硅谷图形公司举办的 CrayQuest 大赛中的一届金奖和一届大冠军奖，获新加坡科技局的最佳研究方案奖，获世界自动化峰会 (World Automation Congress) 的最佳论文奖，获国际步行与爬行机器人大会 CLAWAR 的最佳论文奖，获中国教育部和科技部举办的春晖杯大赛中的一届二等奖和一届一等奖，获首批上海市千人计划专家称号，获首批南京市 321 计划专家称号，获昆山市创新创业计划专家称号。

#### Biodata of Speaker:

Xie Ming received the B.Eng degree in control and automation engineering. Subsequently, as a recipient of the overseas scholarship from Chinese government, he has completed the study for Master degree in the University of Valenciennes (France) as well as the research for PhD degree in the University of Rennes (France). He has worked as Research Assistant at IRISA-INRIA Rennes, Expert Engineer at INRIA Sophia-Antipolis, Lecturer/Senior Lecturer/Associate Professor of Nanyang Technological University, Fellow with Singapore-MIT Alliance (SMA), Professor of Nanjing Tech University and Dean of College of Electrical Engineering and Control Science of Nanjing Tech University.