

纪念改革开放 40 周年、复校 40 周年系列讲座

信息管理学院建系 30 周年、建院 20 周年系列讲座

美国华盛顿大学黄正能教授莅临我校学术交流

报告主题: Visual 3D Exploration of the Physical World

报告专家: 黄正能 教授

报告时间: 2018 年 5 月 31 日 (周四) 14:30-16:30

报告地点: 麦庐园荟庐楼 H302

报告摘要:

With the huge amount of networked video cameras available everywhere nowadays, such as the statically deployed surveillance cameras or the constantly moving cameras on the vehicles or drones, there is an urgent need of systematic and coordinated mining of the dynamic environment in the 3D physical world, so that the explored information can be exploited for various smart city applications, such as security surveillance, intelligent transportation, business statistics collection, health monitoring of communities, and etc. In this talk, I will first present an automated and robust human/vehicle tracking directly in 3D space through self-calibration of static and moving monocular cameras. These tracked objects locations and speed, as well as their poses, can all be described based on the GPS coordinates, so that the tracked objects from multiple cameras can be effectively integrated and reconstructed in the 3D real-world space.

专家介绍:

黄正能教授是美国华盛顿大学电气工程系教授, 于2001年当选IEEE Fellow, 他同时还是IEEE信号处理学会多媒体信号处理技术委员会的创办会员, 并曾于1996-2000年担任IEEE神经网络委员会的学会代表。迄今为止他已撰写超过300篇期刊、会议论文, 出版多媒体信号处理、多媒体系统集成和互联网领域的相关书籍。目前, 黄教授担任IEEE通信学会多媒体技术委员会委员和IEEE信号处理学会多媒体信号处理技术委员会委员, 多个IEEE系列顶级期刊编委。

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