

教师个人信息

姓名	马华东	
性别	男	
职务	执行院长	
学术兼职	中国计算机学会常务理事、多媒体专委会副主任、传感网专委会副主任，中国图形图像学会常务理事；《China Communication》(SCI) 副总编。曾任YOCSEF 07/08年度主席，中国计算机学会青年工作委员会主任（08/09年度）。	
老师类型	博导	
所属中心	物联网技术中心	
职称	教授	
承担课程	多媒体计算理论与技术 计算机图形学 计算机图形学	
研究方向	多媒体系统与网络、物联网与传感网	
个人介绍	马华东，教授、博士生导师，国家杰出青年科学基金获得者，国家973计划项目“物联网体系结构基础研究”首席科学家。1995年在北京中科院计算所获博士学位。现任北京邮电大学计算机学院执行院长、智能通信软件与多媒体重点实验室主任，校学术委员会常委。1998、1999年两次应邀到联合国大学国际软件技术研究所访问研究，1999至2000年在美国密西根大学电子工程与计算机科学系从事博士后研究，2004年夏美国德克萨斯大学访问教授，2006年技大学访问教授。1998年被评为北京市青年学科带头人，2004年入选教育部新世纪优秀人才计划，2005年获国务院政府特殊津贴。目前主要研究领域涉及多媒体系统与网络、物联网与传感网。	
承担课题	主持承担主要项目：国家973计划项目“物联网体系结构基础研究”；国家杰出青年基金项目“网络环境中多媒体计算”；国家自然科学基金重点项目“无线多媒体传感器网络设计理论与关键技术”；以及国家支撑计划课题、北京市科研计划项目；与中国电信、微软、英特尔、亿阳等企业合作项目。	
获奖和成果	申请国家发明专利30项（已授权15项）；出版著作4部。获北京市优秀教学成果奖一等奖、中国电子学会科技奖3次（其中一等奖、二等奖、三等奖各1次）、IEEE ICPADS2010最佳论文奖等奖励。近年来共发表和录用论文150多篇，其中IEEE/ACM Trans.、INFOCOM、ACM Multimedia等国际一流刊物/会议20多篇。	
发表论文	<p>近五年来发表的部分论文：</p> <ol style="list-style-type: none"> [1] Huadong Ma, Chengbin Zeng, Charles X. Ling: A Reliable People Counting System via Multiple Cameras. ACM Transactions on Intelligent Systems and Technology, 3(2): 31 (2012) [2] Chao Wang, Huadong Ma, Yuan He, Shuguang Xiong: Adaptive Approximate Data Collection for Wireless Sensor Networks. IEEE Trans. Parallel and Distrib. Syst. 23(6): 1004-1016 (2012) [3] Liang Liu, Huadong Ma. On Coverage of Wireless Sensor Networks for Rolling Terrains. IEEE Trans. Parallel and Distributed System. 23(1): 118-125 (2012). [4] Liang Liu, Yuning Song, Huadong Ma, Xi Zhang: Physarum optimization: A biology-inspired algorithm for minimal exposure path problem in wireless sensor networks. INFOCOM 2012: 1296-1304 [5] Haitao Zhang, ShaoJie Tang, Xiang-Yang Li, Huadong Ma: Tracking and identifying burglar using collaborative sensor-camera networks. INFOCOM 2012: 2596-2600 [6] Liang Liu, Xi Zhang, Huadong Ma: Optimal density estimation for exposure-path prevention in wireless sensor networks using percolation theory. INFOCOM 2012: 2601-2605 [7] Liang Liu, Anlong Ming, Huadong Ma, Xi Zhang: A binary-classification-tree based framework for distributed target classification in multimedia sensor networks. INFOCOM 2012: 594-602 [8] Hong Luo, Huixiang Tao, Huadong Ma, Sajal K. Das: Data Fusion with Desired Reliability in Wireless Sensor Networks. IEEE Trans. Parallel and Distributed System. 22(3): 501-513 (2011). [9] Liang Liu, Xi Zhang, Huadong Ma. Localization-Oriented Coverage in Wireless Camera Sensor Networks. IEEE Transactions on Wireless Communications 10(2):484-494(2011). [10] XuFei Mao, ShaoJie Tang, Xiaohua Xu, Xiang-Yang Li, Huadong Ma. Energy-Efficient Opportunistic Routing in Wireless Sensor Networks. IEEE Trans. Parallel and Distributed System, 22(11):1934-1942 (2011). [11] Huadong Ma. Internet of Things: Objectives and Scientific Challenges, Journal of Computer Science and Technology, 2011, 26 (6): 919- 924. [12] Junqiang Wang, Huadong Ma, Pedestrian detection with geometric context from a single image. ACM Multimedia2011: 1225-1228. [13] Pengjie Li, Huadong Ma, Anlong Ming. Non-rigid 3D model retrieval using multi-scale local features. ACM Multimedia 2011: 1425-1428. [14] XuFei Mao, ShaoJie Tang, Xiaohua Xu, Xiang-Yang Li, Huadong Ma. iLight: Indoor device-free passive tracking using wireless sensor networks. IEEE International Conference on Computer Communications (INFOCOM)2011: 281-285. [15] Haitao Zhang, Huadong Ma. Xiang-Yang Li. Estimate Aggregation with Delay Constraints in Multihop Wireless Sensor Networks, ACM/IEEE International Conference on Cyber Physical Systems (ICCPs 2011) 193,2011.4. [16] Liang Liu, Xi Zhang, Huadong Ma. Optimal Node Selection for Target Localization in Wireless Camera Sensor Networks, IEEE Transactions on Vehicular Technology, Vol.59, No.7, pp.3562-3576, Sep. 2010 [17] Haidong Yuan, Huadong Ma, Xiaodong Huang. Automatic detection and restoration of frame pixel-shift in videos. Multimedia Tools and Applications. 47(2): 307-323 (2010). [18] Huadong Ma, Dongmei Zhang, Bin Wan. IRS: application reconfiguration scheme for wireless sensor networks. Wireless Communications and Mobile Computing 10(4): 522-537 (2010). [19] Hong Luo, Jing Wang, Yan Sun, Huadong Ma, Xiang-Yang Li: Adaptive Sampling and Diversity Reception in Multi-hop Wireless Audio Sensor Networks. International Conference on Distributed Computing Systems (ICDCS) 2010: 378-387. [20] Chengbin Zeng, Huadong Ma, Robust Head-Shoulder Detection by PCA-Based Multilevel HOG-LBP Detector for People Counting. International Conference on Pattern Recognition (ICPR) 2010: 2069-2072. [21] Xiaodong Huang, Huadong Ma, Automatic Detection and Localization of Natural Scene Text in Video. International Conference on Pattern Recognition (ICPR), 2010: 3216-3219. [22] Zhen Yang, Huadong Ma. Hotspot Avoidance for P2P Streaming Distribution Application: A Game Theoretic Approach. IEEE Trans. Parallel and Distributed System, 20(2):219-232(2009). [23] Qi Li, Huadong Ma. GBED: group based event detection method for audio sensor networks. ACM Multimedia 2009: 857-860. [24] Liang Liu, Xi Zhang, Huadong Ma. Dynamic Node Collaboration for Mobile Target Tracking in Wireless Camera Sensor Networks. IEEE International Conference on Computer Communications (INFOCOM) 2009: 1196. [25] Huadong Ma, Xi Zhang, Anlong Ming. A Coverage-Enhancing Method for 3D Directional Sensor Networks. IEEE International Conference on Computer Communications (INFOCOM) 2009: 2791-2795. [26] Anlong Ming, Huadong Ma. Object Tracking Using Particle Filter in Frame-Skipping Videos, International Conference on Pattern Recognition (ICPR)2008, Dec. 2008, USA 	