

# 姓名:董燕

电子与信息工程系教授

## 个人简介

董燕, 1997年毕业于西安电子科技大学, 获信号与信息处理专业工学硕士学位, 2007年毕业于华中科技大学获通信与信息系统工学博士学位。2005年澳大利亚悉尼大学访问学者。2009年微软亚洲研究院青年访问教师。近年来承担了包括国家自然科学基金重点项目、十二五总装预研、国家863计划等在内的10余项国家级课题。担任国家自然科学基金委、电子学报、IEEE TMC等审稿专家以及多个国际会议的TPC成员或评审人。IEEE会员, SIGMOBILE, ACM会员, 图形图像学会高级会员、湖北省运筹学会理事。研究方向: 软件无线电, 无线传感器网络、网络优化、无线通信系统设计、卫星通信、自适应传输、无线定位、高密度调制解调理论、稀疏编码理论等。在国内外主要刊物上发表学术论文40多篇, 其中SCI和EI收录38篇, 申请与授权国家技术发明专利20项。 导师代码 2355.

## 个人网站:

<http://ei.hust.edu.cn/aprofessor/dongyan>

## 个人邮箱:

[dongyan@hust.edu.cn](mailto:dongyan@hust.edu.cn)

## 代表性论文:

- Connectivity-based space filling curve construction algorithms in high genus 3D surface WSNs, ACM Trans. on Sensor Networks, Vol.12, No.3, Article 22, Aug. 2016.
- An improved migrating birds optimisation for a hybrid flowshop scheduling with total flowtime minimization, Information Sciences, 2014.09
- Network Coding over Connected Dominating Set: Energy Minimal Broadcasting in Wireless Ad Hoc Networks, Wireless Networks, 2014.07
- Non-binary Sparse Measurement Matrices for Binary Signal Recovery, C SSP, 2014.03
- Wengui Rao, Fang Lu, Shaoping Chen, Yan Dong and Shu Wang, Low-Complexity Rate Compatible Modulation via Variable Weight Sets, globalcom 2014.
- Wengui Rao, Yan Dong, Fang Lu, Shu Wang, Log-Likelihood Ration Algorithm for Rate Compatible Modulation, ISCAS2013.
- Jingming Sun, Shu Wang, and Yan Dong. Sparse block circulant matrices for compressed sensing. IET Communications, Volume:7, Issue:13, September 2013, 1412 - 1418.
- Huang, Yuheng; \*Dong, Yan; Jo, Minho; Liu, Yingzhuang, Selective Demodulation Scheme Based on Log-Likelihood Ratio Threshold, KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS, 7(4), pp 767-783, 2013/4/30.

- Yuheng Huang, Yan Dong, Rupeng Xie, Yingzhuang Liu, A New Rate Adaptive System: Controlled Soft Demodulation, ComComAP 2012.
- Guang Wu, Shu Wang, Bang Wang, Yan Dong, Shu Yan, A novel range-free localization based on regulated neighborhood distance for wireless ad hoc and sensor networks, Computer Networks (Elsevier), Volume 56, Issue 16, 14 November 2012, Pages 3581-3593.
- Guang Wu, Shu Wang, Bang Wang, Yan Dong, Multi-hop distance estimation method based on regulated neighborhood measure, IET Communications, 2012, Vol. 6, Issue 13, pp. 2084-2090.
- Dan Shan, Kai Zeng, Weidong Xiang, Paul Richardson, and Yan Dong, PHY-CRAM: Physical Layer Challenge-Response Authentication Mechanism for Wireless Networks, JSAC-PHYSEC 2013.
- Shuai Wang, Chonggang Wang, Kai Peng, Guang Tan, Hongbo Jiang, Yan Dong, Network Coding over Connected Dominating Set: Energy Minimal Broadcasting in Wireless Ad Hoc Networks, Wireless Networks, Springer, 2013
- Xinghai Hu, Hongyuan Mei, Yan Dong, An Algorithm for Testing k-Coverage Condition in WSNs based on k-NPVD, WISENet, June 5, 2013.

### 主要奖励或荣誉:

#### 承担课题

- 国家自然科学基金重大研究计划重点支持项目“空地网络协同信息分发的传输模型与关键技术”，2016.1-2019.12, 承担, 经费120万;
- 十二五“自适应信息传输技术”，2011.1-2015.12, 负责人, 450万
- 国家863计划, 2012.7-2016.6, 端到端传输控制, 负责人, 经费200万
- 国家自然科学基金重点项目“无线网络技术在救灾救援中的应用”，2010.1-2013.12, 负责人, 经费200万;
- 国家863计划“信息网络接入与切换控制技术”，2007.7-2011.6, 负责人, 经费100万;
- 毕业生就业于华为、百度、腾讯、南方电网、烽火、中兴、中船集团、中电集团、中移动、中国联通等。

#### 承担课程:

- 软件无线电 (181.523)
- 移动通信系统仿真与实验 (0840291)
- 随机信号分析 (081609)