师资队伍/个人信息（样表）

<table>
<tr><td>姓　名</td><td>舒 磊</td><td>性别</td><td>男</td><td rowspan="4">  </td></tr>
<tr><td>职　称</td><td>教授</td><td>系别</td><td>电气工程系</td></tr>
<tr><td>学　位</td><td>博士</td><td>电话</td><td>17826026608</td></tr>
<tr><td>E-mail</td><td colspan="3">lei.shu@njau.edu.cn</td></tr>
<tr><td>单位地址</td><td colspan="2">南京市浦口区点将台路 40 号</td><td>邮编</td><td>210031</td></tr>
<tr><td>研究领域</td><td colspan="4">物联网、大数据、人工智能</td></tr>
<tr><td>社会兼职</td><td colspan="4">★ 英国林肯大学，林肯教授，博士生导师
★ 中国计算机学会计算机应用专委会副主任
★ 编委，IEEE Transactions on Industrial Informatics
★ 编委，IEEE/CAA Journal of Automatica Sinica
★ 编委，IEEE Communications Magazine
★ 编委，IEEE Systems Journal
★ 编委，IEEE Access</td></tr>
<tr><td>承担项目</td><td colspan="4">(Selected Projects)
★ 2018，南农-林肯智能工程研究中心建设经费，南京农业大学，主持人
★ 2017，基于群智感知的高精度工业噪声地图核心问题研究，广东省科技发展专项资金（前沿与关键技术创新方向--粤港联合创新领域），主持人
★ 2016，中英国际联合工业网络设备故障诊断合作创新平台项目，广东省普通高校国际暨港澳台合作创新平台及国际合作重大项目（自然科学），主持人
★ 2015，工业无线传感器网络协同睡眠调度的关键问题研究，国家自然科学青年科学基金，主持人
★ 2014，基于无线传感器网络面向智能化工厂集成监控的中间件研究，广东省扬帆计划，主持人
★ 2014，基于无线传感器网络对石化企业内泄漏的有毒气体边界的精确探测及泄漏点的排查，广东省高等学校专项资金项目，主持人</td></tr>
<tr><td>学术成果</td><td colspan="4">(Selected Publications)
★ Mithun Mukherjee, Lei Shu, Di Wang, Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. In IEEE Communications Surveys and Tutorials, 2018. (SCI)
★ Zeyu Zhang, Amjad Mehmood, Lei Shu, Zhiqiang Huo, Yu Zhang, Mithun Mukherjee, A Survey on Fault Diagnosis in Wireless Sensor Networks. In IEEE Access, 2018. (SCI)
★ Lei Shu, Yuanfang Chen, Zhihong Sun, Fei Tong, Mithun Mukherjee, Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. In IEEE Transactions on Emerging Topics in Computing, 2017. (SCI)
★ Lei Shu, Mithun Mukherjee, Michael Pecht, Noel Crespi, Son N. Han, Challenges and Research Issues of Data Management in IoT for Large-scale Petrochemical Plants. In IEEE Systems Journal, 2017. (SCI)
★ Lei Shu, Yuanfang Chen, Zhiqiang Huo, Neil Bergmann, Lei Wang, When Mobile Crowd</td></tr>
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	Sensing Meets Traditional Industry. In IEEE Access, 2017. (SCI) ★ Mithun Mukherjee, Rakesh Matam, Lei Shu, Leandros Maglaras, Mohamed Amine Ferrag, Nikumani Choudhury, Vikas Kumar, Security and Privacy in Fog Computing: Challenges. In IEEE Access, 2017. (SCI) ★ Zhiqiang Huo, Yu Zhang, Pierre Francq, Lei Shu, Jianfeng Huang, Incipient Fault Diagnosis of Roller Bearing using Optimized Wavelet Transform based on Multi-speed Vibration Signatures. In IEEE Access, 2017. (SCI) ★ Miguel Martinez-Garcia, Timothy Gordon, Lei Shu, Extended Crossover Model for Human-control of Fractional Order Plants. In IEEE Access, 2017. (SCI) ★ Lei Shu, Mithun Mukherjee, Likun Hu, Neil Bergmann, Chunsheng Zhu, Geographic Routing in Duty-cycled Industrial Wireless Sensor Networks with Radio Irregularity. In IEEE Access, 2016. (SCI) ★ Lei Shu, Mithun Mukherjee, Xiaoling Wu, Toxic Gas Boundary Area Detection in Large-scale Petrochemical Plants with Industrial Wireless Sensor Networks. In IEEE Communications Magazine, 2016. (SCI) ★ Lei Shu, Xiaoling Xu, Mingxiang Zhang, Kun Wang, Xiaoling Wu, A Survey on Gas Leakage Source Detection and Boundary Tracking based on Wireless Sensor Networks. In IEEE Access, 2016. (SCI) ★ Mithun Mukherjee, Lei Shu, Likun Hu, Gerhard P. Hancke, Chunsheng Zhu, Sleep Scheduling in Large-scale Industrial Wireless Sensor Networks for Toxic Gas Monitoring. In IEEE Wireless Communication Magazine, 2016. (SCI) ★ Jianfeng Huang, Guohua Chen, Lei Shu, Shihua Wang, Yu Zhang, An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. In IEEE Access, 2016. (SCI) ★ Liyun Zuo, Shoubin Dong, Lei Shu, Chunsheng Zhu, Guangjie Han. A Multi-queue Interlacing Peak Scheduling Method Based on Tasks Classification in Cloud Computing. In IEEE Systems Journal, 2016. (SCI) ★ Lei Shu, Lei Wang, Jianwei Niu, Chunsheng Zhu, Mithun Mukherjee, Releasing Network Isolation Problem in Group-based Industrial Wireless Sensor Networks. In IEEE Systems Journal, 2015. (SCI) ★ Liyun Zuo, Lei Shu, Shoubin Dong, Chunsheng Zhu, Takahiro Hara, A Multi-objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. In IEEE Access, 2015. (SCI)
奖励荣誉	★ 2009年，第七届国际嵌入式与普式计算会议，杰出领导奖 ★ 2010年，全球电信会议（GlobeCom 2010），最优论文奖 ★ 2013年，全球通信国际会议（ICC 2013），最优论文奖 ★ 2013年，广东省“扬帆计划”引进紧缺拔尖人才 ★ 2014年，计算机处理与通信国际会议（ComManTel 2014）最优论文奖 ★ 2014年，中国计算机学会-计算机应用专委会特别贡献奖 ★ 2015年，中国计算机学会-计算机应用专委会优秀委员奖 ★ 2015年，南京市第十一届自然科学优秀学术论文奖 三等奖 ★ 2016年，第九届国际无线互联网会议（WICON 2016）杰出领导奖 ★ 2017年，国际信号处理无线通信与计算会议（SIGTELCOM 2017）最优论文 ★ 2017年，IEEE Systems Journal 最优论文奖 ★ 2017年，IEEE Healthcom 2017 国际会议 杰出领导奖 ★ 2017年，EAI Chinacom 2017 国际会议 杰出领导奖 ★ 2018年，IEEE Access 2017 国际期刊 杰出编辑奖

Teaching staff/ Personal information（样表）

<table>
<tr><td>Name</td><td>Lei Shu</td><td>Gender</td><td>Male</td><td rowspan="4">  </td></tr>
<tr><td>Title</td><td>Professor</td><td>Department</td><td>Electrical Engineering</td></tr>
<tr><td>Degree</td><td>Ph.D</td><td>Telephone</td><td>17826026608</td></tr>
<tr><td>E-mail</td><td colspan="3">lei.shu@njau.edu.cn</td></tr>
<tr><td>Unit address</td><td colspan="2">No.40, Dian-Jiang-Tai Road, Puko District, Nanjing, Jiangsu, China</td><td>Post code</td><td>210031</td></tr>
<tr><td>Research field</td><td colspan="4">Internet of Things, Big Data, Intelligent Engineering</td></tr>
<tr><td>Social appointments</td><td colspan="4">★ Lincoln Professor and Ph.D. Supervisor, the University of Lincoln, UK
★ Vice-Director, CCF TCAPP
★ Associate Editor，IEEE Transactions on Industrial Informatics
★ Associate Editor，IEEE/CAA Journal of Automatica Sinica
★ Associate Editor，IEEE Communications Magazine
★ Associate Editor，IEEE Systems Journal
★ Associate Editor，IEEE Access</td></tr>
<tr><td>Research projects</td><td colspan="4">★ 2018， Fund for Launching NAU-Lincoln Joint Research Center of Intelligent Engineering, NAU, PI
★ 2017，“Research on the Key Problems of High Precision Industrial Noise Map based on Crowd-sensing Intelligence”, Science and Technology Planning Project of Guangdong Province, PI
★ 2016， “Sino British Joint Industrial Network and Equipment Fault Diagnosis Cooperative Innovation Platform”, Guangdong Province Ordinary University International and Hong Kong, Macao and Taiwan Cooperative Innovation Platform and Major Projects of International Cooperation (NATURAL SCIENCE), PI
★ 2015，“Research on Key Issues of Cooperative Sleep Scheduling in Industrial Wireless Sensor Networks”, National Natural Science Foundation of China, PI
★ 2014， “Middleware Design for Industrial WSNs Integration in Large Scale Petrochemical Plants”， Guangdong Provincial “Sailing Program”, PI
★ 2014， “Boundary and Leakage Point Detection of Toxic Gas in Large Scale Petrochemical Plants”, Guangdong Provincial Special Fund for High Level Talent Researcher, PI</td></tr>
<tr><td>Academic achievements</td><td colspan="4">(Selected Publications)
★ Mithun Mukherjee, Lei Shu, Di Wang, Survey of Fog Computing: Fundamental, Network Applications, and Research Challenges. In IEEE Communications Surveys and Tutorials, 2018. (SCI)
★ Zeyu Zhang, Amjad Mehmood, Lei Shu, Zhiqiang Huo, Yu Zhang, Mithun Mukherjee, A Survey on Fault Diagnosis in Wireless Sensor Networks. In IEEE Access, 2018. (SCI)
★ Lei Shu, Yuanfang Chen, Zhihong Sun, Fei Tong, Mithun Mukherjee, Detecting the Dangerous Area of Toxic Gases with Wireless Sensor Networks. In IEEE Transactions on Emerging Topics in Computing, 2017. (SCI)
★ Lei Shu, Mithun Mukherjee, Michael Pecht, Noel Crespi, Son N. Han, Challenges and Research Issues of Data Management in IoT for Large-scale Petrochemical Plants. In IEEE</td></tr>
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	Systems Journal, 2017. (SCI) ★ Lei Shu, Yuanfang Chen, Zhiqiang Huo, Neil Bergmann, Lei Wang, When Mobile Crowd Sensing Meets Traditional Industry. In IEEE Access, 2017. (SCI) ★ Mithun Mukherjee, Rakesh Matam, Lei Shu, Leandros Maglaras, Mohamed Amine Ferrag, Nikumani Choudhury, Vikas Kumar, Security and Privacy in Fog Computing: Challenges. In IEEE Access**,** 2017. (SCI) ★ Zhiqiang Huo, Yu Zhang, Pierre Francq, Lei Shu, Jianfeng Huang, Incipient Fault Diagnosis of Roller Bearing using Optimized Wavelet Transform based on Multi-speed Vibration Signatures. In IEEE Access, 2017. (SCI) ★ Miguel Martinez-Garcia, Timothy Gordon, Lei Shu, Extended Crossover Model for Human-control of Fractional Order Plants. In IEEE Access, 2017. (SCI) ★ Lei Shu, Mithun Mukherjee, Likun Hu, Neil Bergmann, Chunsheng Zhu, Geographic Routing in Duty-cycled Industrial Wireless Sensor Networks with Radio Irregularity. In IEEE Access, 2016. (SCI) ★ Lei Shu, Mithun Mukherjee, Xiaoling Wu, Toxic Gas Boundary Area Detection in Large-scale Petrochemical Plants with Industrial Wireless Sensor Networks. In IEEE Communications Magazine, 2016. (SCI) ★ Lei Shu, Xiaoling Xu, Mingxiang Zhang, Kun Wang, Xiaoling Wu, A Survey on Gas Leakage Source Detection and Boundary Tracking based on Wireless Sensor Networks. In IEEE Access, 2016. (SCI) ★ Mithun Mukherjee, Lei Shu, Likun Hu, Gerhard P. Hancke, Chunsheng Zhu, Sleep Scheduling in Large-scale Industrial Wireless Sensor Networks for Toxic Gas Monitoring. In IEEE Wireless Communication Magazine, 2016. (SCI) ★ Jianfeng Huang, Guohua Chen, Lei Shu, Shihua Wang, Yu Zhang, An Experimental Study of Clogging Fault Diagnosis in Heat Exchangers Based on Vibration Signals. In IEEE Access, 2016. (SCI) ★ Liyun Zuo, Shoubin Dong, Lei Shu, Chunsheng Zhu, Guangjie Han. A Multi-queue Interlacing Peak Scheduling Method Based on Tasks Classification in Cloud Computing. In IEEE Systems Journal, 2016. (SCI) ★ Lei Shu, Lei Wang, Jianwei Niu, Chunsheng Zhu, Mithun Mukherjee, Releasing Network Isolation Problem in Group-based Industrial Wireless Sensor Networks. In IEEE Systems Journal, 2015. (SCI) ★ Liyun Zuo, Lei Shu, Shoubin Dong, Chunsheng Zhu, Takahiro Hara, A Multi-objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. In IEEE Access, 2015. (SCI)
Reward & honor	★ EUC 2009，Outstanding Leadership Award ★ Globecom 2010，Best Paper Award ★ ICC 2013，Best Paper Award ★ 2013, Sailing Program, Guangdong, China ★ ComManTel 2014, Best Paper Award ★ CCF TCAPP 2014, Outstanding Contribution Award ★ CCF TCAPP 2015, Outstanding Committee Member Award ★ 2015, the 11th Nanjing Nature Research Best Paper Award ★ WICON 2016, Outstanding Leadership Award ★ SIGTELCOM 2017, Best Paper Award ★ IEEE Systems Journal 2017, Best Paper Award ★ IEEE Healthcom 2017, Outstanding Leadership Award ★ Chinacom 2017, Outstanding Leadership Award ★ IEEE Access 2017, Outstanding Associate Editor Award