

# ACADEMIC TEAM



## 陈娟 JUAN CHEN

Associate professor, Doctoral supervisor  
School of Electronic and Information Engineering,  
Xi'an Jiaotong University, Xi'an, 710049, China  
E-mail: chen.juan.0201@mail.xjtu.edu.cn

### Research Interests

Electromagnetic numerical method, antenna design, meta-material analysis and design, THz technique

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## Wenchao Chen

Email: wencchen@mail.xjtu.edu.cn

### Research interests

- Seismic imaging and inversion
- Seismic signal processing
- Wavelet, Curvelet, Shearlet and related
- Time-frequency analysis
- Image denoising, deconvolution, inpainting and zooming

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## Jiancun Fan

Associate Professor

Master and Doctoral Supervisor

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### Research Interests

- ✧ Signal Processing and Resource Allocation for Wireless Communication
- ✧ Cross-Layer Resource Optimization for Wireless Network with EE-SE Tradeoff
- ✧ Practical Issues in LTE and Its Evolutional Systems
- ✧ Multiple Antenna MIMO Techniques
- ✧ Research on Key Techniques on 5G Systems
- ✧ Network Security



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## Li Geng

E-mail: [gengli@xjtu.edu.cn](mailto:gengli@xjtu.edu.cn)

### Research Interests

Prof. Li Geng is currently a Professor in the School of Microelectronics, Xi'an Jiaotong University. She also serves as the vice dean of Department of Microelectronics, Xi'an Jiaotong University.

Her current research interests include power management integrated circuits, low-voltage low-power analog and mixed-signal integrated circuits, RF integrated circuit, and bio-implant systems.

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## Binke Huang



Associate Professor of the Department of Information and Telecommunication Engineering, School of Electronic and Information Engineering, Xi'an Jiaotong University.

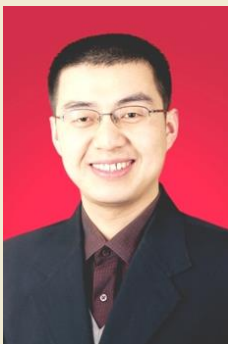
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### Research Interests

His research interests include accurate modeling for microwave and millimeter wave components, fast algorithms in computational electromagnetics, the development of small antennas for wireless communications systems as well as signal process for radar targets. He has authored or co-authored over 30 technical publications. Over twenty articles of them are indexed by SCI or EI.

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## Feng Li

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### Research Interests

Feng Li is currently an Associate Professor and Ph.D. supervisor of Xi'an Jiaotong University. His areas of research include wireless communications and networks, and signal processing for wireless communication systems.

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## Jie Li Associate Professor

Email: jielixjtu@xjtu.edu.cn



Prof. Dr. Jie Li completed his BS degree in Physics at Xi'an Jiaotong University in Xi'an, China in 2006. His current research is focused on developing novel imaging systems, interferometers, and detectors related to polarization and spectral sensing. He is particularly interested in developing novel imaging system and detector technologies that better “hybrid” systems, which are capable of maximizing the spatial, spectral, and polarimetric information contained within a single instrument. Applications include biomedical imaging, remote sensing, food safety, and atmospheric monitoring.

### Research Interests

1. Hyperspectral imager.
  2. Miniature spectrometer.
  3. Polarization imager.
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## Yuanjie Li

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### Research Interests

1. Optoelectronic semiconductor thin films and devices, micro- and nano-structure enhanced high efficiency GaN-LED applications
  2. Multi-functional oxide thin films and nanostructures synthesis and applications in optoelectronic devices
  3. Non-crystalline oxide materials in thin film transistors for flexible displays
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## Feng Liang

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### Research Interests

Feng Liang's research interests include Very Large Scale Integration (VLSI) Circuit Design, VLSI Testing and Design for testability, and Silicon Implementation of Machine Learning Algorithm. Dr. Liang has served as a reviewer for agencies and journals including the National Science Foundation of China and IEEE Transactions on VLSI (TVLSI), etc. In recent 10 years, he has published over 30 papers in various peer-review journals.

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## Li Sun



Specialty: Information and Communications Engineering

Title: Associate Professor

Email: [lisun@mail.xjtu.edu.cn](mailto:lisun@mail.xjtu.edu.cn)

Personal webpage: <http://gr.xjtu.edu.cn/web/lisun>

### Research Areas

- Wireless Communications and Networking
- Physical Layer Security
- Cooperative Communications and Cognitive Radio Networks
- Fifth Generation Cellular Systems (5G)
- Mobile Edge Computing and Wireless Caching

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## Di Zhou



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### Research Interest

(1) Synthesis, characterization, dielectric properties measurements and composition-structure-property relation of electroceramics and their thick films;

(2) Low temperature co-fired ceramics (LTCC) technology;

(3) Phase transition in  $ABO_4$  systems;

High energy storage dielectric materials.

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## Dawei Wang 王大威

### Research interest

My research mainly focuses on the theoretical modelling and numerical simulation of dynamical system, such as ferroelectric and multiferroic materials and excitons in semiconductors, and their interaction with external fields. I am interested in static properties of perovskites, for instance, their phase transitions.

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## Hui-Ming Wang

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Personal Website: <http://gr.xjtu.edu.cn/web/hmwang>



### Research Interest

Prof. Hui-Ming Wang has been investigating on advanced signal processing techniques in wireless communications, with an emphasis on multiple antenna technology and system implementations. Currently, Dr. Wang is mainly interested in 5G communication technology which consists of Massive MIMO, Non-Orthogonal Multiple Access (NOMA), Filter-Bank based Multi Carrier (FBMC), Millimeter Wave Communication (mm-wave), Full Duplex Technology and Heterogeneous Networks. Dr. Wang has undertaken multiple “863” and NSFC Projects. His research group has been closely collaborating with many great industrial companies such as Microsoft, LG, Intel, Huawei and ZTE.



## Prof. Wu Zhaoxin

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### Research Interest

Area of Expertise and Research Interest: Physical Electronics, Organic optoelectronics



## Professor Feng Yun

Email: [fyun2010@mail.xjtu.edu.cn](mailto:fyun2010@mail.xjtu.edu.cn),

Home Page: <http://eiegrad.xjtu.edu.cn/daoshijianjie/index/>

Specialized: widebandgap semiconductor materials and devices

### Research Interest

optoelectronic devices, such as high power LEDs and LDs.

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## Weizhan Zhang

Website: <http://gr.xjtu.edu.cn/web/zhangwzh123>

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Associate professor, doctoral adviser. CCF Senior Member, IEEE Member, ACM Member. Presided over the National Natural Science of China Fund and other six projects, and the backbone of membership in nearly 10 major national projects.

His research interests include intelligent e-Learning, cloud computing, mobile computing, data mining and other related research fields.

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## Prof. Qinghua Zheng



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Homepage: <http://gr.xjtu.edu.cn/web/qhzheng>

### Research Interest

Prof. Qinghua Zheng, post-doctoral fellow from Harvard University. He is in charge of the Innovative Research Team for Science and Technology under the Ministry of Education and Shaanxi province. Now, he serves as the vice-president of Xi'an Jiaotong University, the director of MOE Key Lab for Intelligent Networks and Network Security and the vice director of College Computing Teaching Steering Committee under the Ministry of Education.

Major Research Fields: Theory and technology of intelligent e-Learning environment, Software reliability evaluation and Network public opinion monitoring.

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## Prof. Hong Wang



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### Research Interest

Prof. Hong Wang is a MOE “Chang Jiang Scholars” Chair Professor and “Tengfei” Chair Professor at Xi'an Jiaotong University. She held visiting appointments at Korea, Germany, Switzerland and the U.S. Prof. Hong Wang's main research interests include dielectric materials, multifunctional composites, and dielectric measurements. Prof. Hong Wang has authored and co-authored over 200 peer-reviewed papers, 27 patents, and has delivered 40 invited talks in international academic conferences.

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## Jinsong Han

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Department of Computer Science and Technology  
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### Research Interest

Wireless Network, RFID, Privacy and Security

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## Hongzhe Xu

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### Research and Projects:

1. Key Techniques of Intelligent Platform Based on Cloud Environment
  2. Key Techniques of Big Data Analysis Based on Object Oriented
  3. Application of Data Mining
  4. Key Techniques of Medical Big Data Analysis
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## Jizhong Zhao

Professor Jizhong Zhao's research focuses in the area of Mobile Computing; Smart Sensing; Parallel and Distributed Processing; Internet of Things; Wireless Sensor Networks.

### Achievements in scientific research:

Professor Jizhong Zhao's research mostly lies at the smart sensing and mobile computing. He manages two research projects of National Science and Technology Major Project of the Ministry of Science and Technology of China.

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## Hongyi Wang

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Homepage: <http://gr.xjtu.edu.cn/web/wanghongyi/home>

Professor Wang's research interests are in power management integrated circuits design, energy harvesting, self-powered chip, high precision amplifier, and Lab-on-a-Chip.