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个人简介：2009年毕业于安徽大学，2012-2016年受国家留学基金委公派赴西班牙马德里理工大学（*Universidad Politécnica de Madrid, UPM*）学习，获马德里理工大学硕士和博士学位（*Cum Laude & Premio Extraordinarios de Doctorado*）。2016年在美国南卡罗莱纳大学电子电气工程系开展访问研究（合作导师：*David W. Matolak*）。主要研究方向为复杂环境中的电波传播与无线信道建模，在高速铁路，地下限定空间，及低空无人机通信等场景下开展了广泛的实验研究，在*IEEE TITS*、*TVT*、*AWPL*、*ELSEVIER MEASUREMENT*、*IET MAP*、*IEEE VTC*、*EUCAP*等国内外重要学术期刊和会议上发表论文30余篇，申请国家发明专利1项，主持和参与了多项国内外科研项目。担任国际期刊*Frontiers in Communications and Networks*编委，及*IEEE COMMUN MAG*、*IEEE TVT*、*ENVIRON MODELL SOFTW*等期刊审稿人。

研究方向：电波传播、空地协同通信、智能可穿戴

科研项目：

- 国家自然科学基金青年基金，61901104，考虑地物影响的低空无人机与地面车辆通信信道特性研究，2020.01-2022.12，24.5万元，在研，主持
- 上海市松江区科技攻关项目，20SJKJGG4C，基于软件无线电的Massive MIMO原型系统研究，2020.9-2022.5，15万元，在研，主持
- 中央高校基本科研业务费专项资金自由探索项目，19D110407，面向5G动态场景下的电波传播感知与特性分析，2019.01-2021.12，10万元，在研，主持
- 东华大学青年教师启动资助项目，2018.03-2019.03，5万元，已结题，主持
- 国家自然科学基金面上项目，62072096，面向边缘智能的车联网计算通信与路径优化，2021.01-2024.12，57万元，在研，主要成员
- 中央JW科技委 GF 创新项目，19-163-21-TS-001-014-01，频率与极化可重构集成滤波天线研究，2019.01-2020.12，50万元，在研，主要成员
- 中央高校基本科研业务费专项资金学科交叉重点计划项目，物联网移动边缘计算及在智能可穿戴技术中的应用，2020.01-2022.12，50万元，在研，主要成员
- MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD，TEC2014-55735-C3-2-R，ENABLING 5G，2015.01-2017.12，17.5万欧元，主要成员
- MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD，IPT-2011-1034-370000，TECRAIL，2012.01-2014.12，25万欧元，主要成员

SCI/EI论文：

1. **L. Zhang\***, C. Briso, J.R.O. Fernandez, J.I. Alonso, C. Rodriguez, J. Moreno Garcia, K. Guan, "Delay Spread and Electromagnetic Reverberation in Subway Tunnels and Stations," *IEEE Antennas and Wireless Propagation Letters*, vol. 15, no., pp.585-588, 2016 (IF: 3.51)
2. **L. Zhang\***, J. Rodriguez Pineiro, J. R. O. Fernandez, J. A. Garcia-Naya, D. W. Matolak, C. Briso, L. Castedo, "Propagation Modeling for Outdoor-to-Indoor and Indoor-to-Indoor Wireless Links in High-speed Train," *Measurement*, vol. 110, no., pp.43-52, 2017 (IF: 2.791)
3. **L. Zhang**, Q. Ni, M. Zhai\*, J. Moreno, C. Briso, "An Ensemble Learning Scheme for Indoor-Outdoor Classification Based on KPIs of LTE Network," *IEEE Access*, vol. 7, pp. 63057-63065, 2019 (IF: 4.098)
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5. **L. Zhang**, J. Moreno\*, C. Briso, "Experimental Characterization and Modelling of Intra-Car Communications Inside High-Speed Trains," *IET Microwaves Antennas & Propagation*, Vol. 13, no. 8, p. 1060 -1064, 2019 (IF: 2.036)
6. Q. Ni, Z. Fan, **L. Zhang\***, C. Nugent, I. Cleland, Y. Zhang, N. Zhou, "Leveraging Wearable Sensors for Human Daily Activity Recognition with Stacked Denoising Autoencoders," *Sensors*, vol.20, no.18, pp.5114-5136, 2020 (IF:3.275)
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8. M. Zhai, **L. Zhang\***, D. Li, "One-Step Leapfrog HIE-FDTD Modeling of Plasmonic Structures Using Partial-Fraction Dispersion Models," *IEEE Access*, vol. 7, pp. 106653-106661, 2019 (IF: 4.098)
9. J. Ren, D. Li, **L. Zhang**, G. Zhang\*, "Scaling Performance Analysis and Optimization Based on the Node Spatial Distribution in Mobile Content-Centric Networks," *Wireless Communications and Mobile Computing*, vol.2021, no., pp.8880015-8880032, 2021(IF:1.819)
10. C. Briso, C. Calvo, Z. Cui, **L. Zhang** and Y. Xu, "Propagation Measurements and Modeling for Low Altitude UAVs from 1 to 24 GHz," *IEEE Transactions on Vehicular Technology*, vol. 69, no. 3, pp. 3439-3443, 2020. (IF: 5.339)
11. J. Ding, **L. Zhang**, J. Yang, B. Sun, J. Huang, "Broadband Wireless Channel in Composite High-Speed Railway Scenario: Measurements, Simulation, and Analysis," *Wireless Communications and Mobile Computing*, vol.2017, no.5, pp. 1-15, 2017 (IF: 1.396)
12. K. Guan, B. Ai\*, Z. Zhong, C.F. Lopez, **L. Zhang**, C. Briso, A. Hrovat, B. Zhang, R. He, T. Tang, "Measurements and Analysis of Large-Scale Fading Characteristics in Curved Subway Tunnels at 920 MHz, 2400 MHz, and 5705 MHz," *IEEE Transactions on Intelligent Transportation Systems*, vol.16, no.5, pp.2393-2405, 2015 (IF: 5.744)
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14. C. Briso, J. Moreno, **L. Zhang\***, "Transmission-Based Signaling Systems," *Modern Railway Engineering*, Ali Hessami, *IntechOpen*, DOI: 10.5772/intechopen.70617. 2017 (Book Chapter)
15. **L. Zhang**, J. Moreno\*, C. Briso, K. Guan, "High-Speed Railway Composite Scenarios: Power Delay Profiles and Time-Dispersion Analysis," In: Pirovano A. et al. (eds) *Communication Technologies for Vehicles. Nets4Cars/Nets4Trains/Nets4Aircraft 2017. Lecture Notes in Computer Science*, vol.10222. Springer, Cham. 2017
16. **L. Zhang\***, J. Ding, B. Zhang, C. Briso, K. Guan, "Measurement and Analysis of the Broadband Radio Propagation in a High-speed Railway Station," in Proc. *IEEE 83rd Vehicular Technology Conference (VTC Spring)*, 2016.05.15-2016.05.18
17. **L. Zhang\***, A.P. Gonzalez, J.R.O. Fernandez, J. Moreno, A. M. Gomez, I. Arnedo, C. Briso, "Propagation Measurements and Modelling Inside Trains at 900 MHz, 2.4 and 5.8GHz," in Proc. *IEEE 11th European Conference on Antennas and Propagation (EUCAP 2017)*, 2017.3.19-2017.3.24
18. **L. Zhang**, P. Suarez-Casal, J.R.O. Fernandez, J. Rodriguez-Pineiro, J. C. Sanchez, J. A. Garcia-Naya\*, L. Castedo, C. Rodriguez, J. Moreno, C. Briso, J.I. Alonso, "Experimental Evaluation of 4G Technologies in Metro Tunnel Scenarios," in Proc. *IEEE 10th European Conference on Antennas and Propagation (EuCAP2016)*, 2016.4.10-2016.4.15
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讲授课程：本科生《无线移动通信》 / 研究生《最优化方法》

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