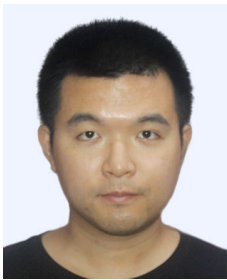


郑策

个人信息

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出生地: 山东, 中国
出生日期: 1991 年 10 月 15 日



工作经历

索尼中国研究院 2021.08 - 至今
无线研究员/研究科学家 (科学家岗)
国际标准组织 3GPP SA2 代表 (Delegate)

法国科学研究院 (CNRS) 2017.10 - 2020.10
研究员

博士课题

”Impulsive and Dependent Interference Modeling in IoT Networks”, funded by [ARBurst](#)

教育背景

里尔大学, 法国, 博士 2017.10 - 2020.10
导师: Laurent CLAVIER & Malcolm EGAN

奥尔堡大学, 丹麦, 项目交换 2019.09 - 2019.12
导师: Troels PEDERSEN & Petar POPOVSKI (IEEE Fellow)

西安交通大学, 中国, 硕士 2013.09 - 2016.07
导师: 罗新民

哈尔滨工业大学, 中国, 本科 2009.09 - 2013.07
导师: 赵洪林

访学经历

CITI-LAB, INSA Lyon, 里昂, 法国 2018.12
1st Winter School on Information Theory and Signal Processing for Internet of Things

德岛大学, 德岛, 日本 2014.07 - 2014.08
The Electrical and Information Science Course Program

加州大学洛杉矶分校, 洛杉矶, 美国 2014.02 - 2014.03
American Language Center Intensive English Communication Program

奖励荣誉

- Mobility Grant**, 欧盟 2019
支持本人在丹麦奥尔堡大学访问的费用
- IRACON 5th TS Grant**, 欧盟 2019
支持本人在 INSA Lyon 访问的费用
- 研究生奖学金, 中国 2016-2019
免除三年学费及生活费支持

学术论文

- Qiong Liu, Chenhao Wang, **Ce Zheng**, “Distributed Decisions on Optimal Load Balancing in Loss Networks”, *In IEEE Global Communications Conference, 2022* (To be submitted)
- Ce Zheng**, Malcolm Egan, Laurent Clavier, Gareth W. Peters, Jean-Marie Gorce, “On the interference arising from random spatial fields of interferers utilizing multiple subcarriers”, *In: EURASIP Journal on Wireless Communications and Networking. 2022 ; Vol. 2022.*
- Ce Zheng**, Malcolm Egan, Laurent Clavier, Petar Popovski, Anders Ellersgaard Kalør, “Stochastic Resource Allocation for Outage Minimization in Random Access with Correlated Activation”, *In 2022 IEEE Wireless Communications and Networking Conference (WCNC).* (pp. 1-6), Austin, US
- Ce Zheng**, Malcolm Egan, Laurent Clavier, Petar Popovski, Anders Ellersgaard Kalør, “Stochastic Resource Optimization of Random Access for Transmitters with Correlated Activation”, *In 2021 IEEE Communication Letters*
- Ce Zheng**, Malcolm Egan, Laurent Clavier, Troels Pedersen and Jean-Marie Gorce. “Linear Combining in Dependent α -Stable Interference”, *In 2020 IEEE International Conference on Communications (ICC)* (pp. 1-6), Dublin, Ireland.
- Ce Zheng**, Egan Malcolm, Laurent Clavier, Gareth W. Peters, Gorce, Jean-Marie. “On the Validity of Isotropic Complex α -Stable Interference Models for Interference in the IoT” *In 2019 GRETSI, Groupe d’Etudes du Traitement du Signal et des Images.*
- Ce Zheng**, Egan Malcolm, Laurent Clavier, Gareth W. Peters, Gorce, Jean-Marie. “Copula-Based Interference Models for IoT Wireless Networks” *In 2019 IEEE International Conference on Communications (ICC)* (pp. 1-6), Shanghai, China.
- Egan Malcolm, Laurent Clavier, **Ce Zheng**, Mauro De Freitas, Jean-Marie Gorce. “Dynamic interference for uplink SCMA in large-scale wireless networks without coordination” *EURASIP Journal on Wireless Communications and Networking* 2018, no. 1 (2018): 213.
- Ce Zheng**, Jiancun Fan, and Xinmin Luo. “Spectrum and energy efficiency analysis of ultra dense network with sleep.” *2016 8th IEEE International Conference on Communication Software and Networks (ICCSN).*

专利

- Ce Zheng**, Chen Sun. “A Service Guarantee Strategy in Federated Learning(FL) Network”. 2022
- Ce Zheng**, Chen Sun. “A Handover Scheme in Hierarchical Federated Learning ”. 2022

Wei Chen, Tianming Zang, **Ce Zheng**, Chen Sun. “An UE Selection Approach for FL: Clustering Based on Individual Physical Parameters or Performance Metrics”. 2022

Wei Chen, Yuanrui Liu, **Ce Zheng**, Chen Sun. “Sidelink-enhanced Model Splitting and Transmission Scheme between AI/ML Endpoints”. 2022

Wei Chen, Junjie Wu, **Ce Zheng**, Chen Sun. “Federated Learning in V2X Communications for Side-link Enhancement”. 2022

Wei Chen, Zhanyuan Xie, **Ce Zheng**, Chen Sun. “A Scheme to Ensure Service Continuity During Handover between Vehicle Mounted Relays—Users Outside the Vehicle”. 2022

Wei Chen, Changkun Li, **Ce Zheng**, Chen Sun. “Achieving Low Latency Communications through Pushing over Idle Resource Blocks and Caching”, 2022

学术报告

Online (29/11/2019 and 30/11/2021), *Choosing a proper starting point in SGD by exploiting dependence between features — an intuition from resource allocation in event triggered communication* 索尼 AI 大会, 索尼

AALBORG (13/11/2019 and 27/11/2019), *Copula Theory in Communication Society*, invited talk and hosted by Professor Petar POPOVSKI and Professor Troels PEDERSEN, Department of Electronics, 奥尔堡大学, 奥尔堡, 丹麦

AALBORG (30/09/2019 and 03/10/2019), *Modeling Impulsiveness and Dependence of Interference in Wireless Communication Network*, invited talk and hosted by Professor Troels PEDERSEN and Professor Petar POPOVSKI, Department of Electronics, 奥尔堡大学, 奥尔堡, 丹麦

GUANGZHOU (30/05/2019), *Interference Modeling for Wireless IoT Networks*, 特邀报告 (陈立教授和 Dr. Ting-yi Wu) , 电子与通信工程学院, 中山大学, 广州, 中国

RENNES (06/03/2019), *Modeling Interference with α -stable and Copulas*, ARBurst Project meeting, ITER Lab, 雷恩, 法国

LILLE (12/06/2018), *Dependent Impulsive Interference modeling*, Seminar on ‘Mathematics and IoT’, IRCICA Lab, 里尔, 法国

LYON (11/10/2018), *Modeling of Dependence in Impulsive Interference and Copula Theory*, ARBurst Project meeting, CITI-lab, 里昂, 法国

RENNES (14/02/2018), *Copula Theory and Dependence in Interference*, ARBurst Project meeting, ITER Lab, 雷恩, 法国

研究技能

Matlab, Latex, Stochastic Geometry, Copula Theory, α -stable, Markov Chain, Federated Learning, NOMA, SCMA, NB-IoT, LPWAN, XR, AI, VMR, 3GPP SA1 & SA2

语言技能

普通话 (母语);
英语 (精通): TOEFL 96;
法语 (初级): A1