



Curriculum Vitae

Buyankhishig Ulziinyam

PERSONAL INFORMATION

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EDUCATION

Hohai University	Nanjing, People's Republic of China	
Ph.D student in College of Computer and Information		2017
Mongolian University of Science and Technology	Ulaanbaatar, Mongolia	
M.S. in Telecommunication Engineering		2008
B.S. in Telecommunication Engineering		2005

EMPLOYMENT

2020–2024 Lecturer, Mongolian University of Science and Technology, Mongolia

2017–2020 PhD student, College of Computer and Information, Hohai University, People's Republic of China

2010–2017 Lecturer, Department of Wireless Communication, School of Telecommunication and Information Technology, Mongolian University of Science and Technology, Mongolia

2009–2010 Assistant lecturer, Department of Wireless Communication, School of Telecommunication and Information Technology, Mongolian University of Science and Technology, Mongolia

2005–2009 Education affairs officer, School of Telecommunication and Information Technology, Mongolian University of Science and Technology

GRANTS AND AWARDS

“Outstanding worker” of Education, The minister of Education, culture and science, 2023

Winner(Research team member), Best Research Paper Awards, MUST, 2013

RESEARCH INTEREST

- Resource allocation
- 5G
- D2D communications
- Intelligent optimization algorithms

- Vehicular Fog networks
- Modeling and Simulation

TEACHING EXPERIENCE

- Mobile communication systems, nanofabrication technology, Nanophysics (applied), Thin film technology, Semiconductor integrated circuit technology, Power electronics, Basic electronics

SHORT-TERM TRAINING EXPERIENCE

- “Ethical Hacking Essentials” certificate, System Center and ICT Training LLC, Ulaanbaatar, 2024.
- “Training on CCNP level Certification and Virtualization using VMWare” certificate, Lovely Professional University, India, 2023.
- Certificate of course “Small Satellite Mission” on Devanhalli guest house, Bengaluru, India, 2016.
- “CCNA Routing and Switching: Introduction to Networks” certificate, Mongolian University of Science and Technology, Ulaanbaatar, 2015.
- Certificate of course “Modern Telecommunications” on Moscow Technical University of Communications and Informatics, Moscow, Russia, 2014.
- Certificate of course “Second International training course on Navigation and Satellite Positioning System” on Centre for Space Science and Technology education in Asia and the Pacific , Ahmedabad, India, 2013.
- Teaching Authority, SN:780/10, Mongolian State University of Education, Ulaanbaatar, 2010.
- Teaching Authority, №412, Mongolian University of Science and Technology, Ulaanbaatar, 2009.

SUMMARY

- Ability to work independently as well as in a team with others.
- Adequate knowledge on mobile communication systems, heterostructure, Device to Device communications underlying cellular network, resource allocation, intelligent optimization algorithms.
- Experience in modeling and computer simulation: Matlab, Qualnet, TMS.
- Computer skills: MS Office, Photoshop etc.

PUBLICATION

Scientific publication:

1. "System-Wide Energy Efficient Computation Offloading in Vehicular Edge Computing With Speed Adjustment", Haotian Li, Xujie li, Mingyue Zhang and Buyankhishig Ulziinyam, **IEEE Transactions on Green Communications and Networking 2020**, January 2024, DOI: 10.1109/TGCN.2023.3349273.
2. "Multi-task offloading scheme for UAV-enabled fog computing networks", Xujie li, Lingjie Zhou, Ying Sun and Buyankhishig Ulziinyam, **EURASIP Journal on Wireless Communications and Networking 2020**, November 2020, DOI: 10.1186/s13638-020-01825-y.
3. "The Performance Analysis of Virtual Queues for Space-Ground Integrated Networks", Ying Sun, Xujie Li, Jichang Shen, Buyankhishig Ulziinyam and Xuedong Zheng, **IEEE Access, Edge Intelligence for Internet of Things**, Vol.8, pp. 214190 - 214195, November 2020, DOI:10.1109/ACCESS.2020.3041021.
4. "Multicast-Oriented Task Offloading for Vehicle Edge Computing", Haotian Li, Xujie Li, Mingyue Zhang and Buyankhishig Ulziinyam, **IEEE Access**, Vol.8, pp.187373 - 187383, October 2020, DOI: 10.1109/ACCESS.2020.3030943.
5. Otgonbayar Bataa, Erdenebayar Lamjav, Buyankhishig Ulziinyam. "Possibility of IoT infrastructure design for Public Safety Network", **MUSTAK-2015**, The 6th conference on, pp. 50-55, 2015.
6. Buyankhishig Ulziinyam, Otgonbayar Bataa, Bayarmaa Ragchaa. "The study of human exposure to radio frequency fields from wireless communication mobile phone.", **Khurel Togoot-2014**. Conference on, pp. 156-161, 2014.
7. Otgonbayar Bataa, Tulga Orosoo, Buyankhishig Ulziinyam. "LTE Spatial Channel Model for use in System Level Simulation.", **IFOST-2013**. International Forum on, pp. 149-152, 2013.
8. Otgonbayar Bataa, Erdenebayar Lamjav, Buyankhishig Ulziinyam, Young-il Kim, and Khishigjargal Gonchigsumlaa. "Interference Cancellation Algorithm with Pilot in 3GPP/LTE." **ICCST-2013. International Conference on Creative and Technology**, pp. 46-49,2013.
9. Otgonbayar Bataa, Erdenebayar Lamjav, Buyankhishig Ulziinyam. "WiMAX 16m Mutual Information based effective SINR mapping.", **CCVT-2010. International conference on Communication and Vehicular technology**, pp. 77-81, 2010.