



ARIUNZAYA Batgerel, Ph.D.

Office: School of Information and Communications Technology, room 319,
Bayanzurkh district, 22th khoroo, Ulaanbaatar, Mongolia, 13341

Email: b.ariunzaya@must.edu.mn

ORCID: <https://orcid.org/0009-0000-0020-8256>

Phone: 976 - 70151333

Mobile: 976 - 89016683

EDUCATION

- | | | |
|-------|---|------|
| Ph.D. | Mobile communication and digital broadcasting engineering, University of Science and Technology (UST), Republic of Korea
<i>Dissertation:</i> “Study on Ultra-High Isolation Antenna Designs for In-Band Full Duplex Communications”, UST2015D044
<i>Advisor:</i> Eom Soon Young, Ph.D. | 2015 |
| MSc. | Electrical engineering, University of Ulsan (UOU), Republic of Korea | 2010 |
| MSc. | Information Technology, School of Information and Communication Technology (SICT), Mongolian University of Science and Technology (MUST), Mongolia | 2006 |
| BSc. | Information Technology, School of Information and Communication Technology (SICT), Mongolian University of Science and Technology (MUST), Mongolia | 2005 |

ACADEMIC EXPERIENCE

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|------------------|---|-----------------|
| Senior lecturer | School of Information and Communication Technology, Mongolian University of Science and Technology, Mongolia, full-time | 2015 to present |
| Research student | Electronics and Telecommunications Research Institute (ETRI), Republic of Korea, full time | 2010-2015 |
| Lecturer | School of Information and Communication Technology, Mongolian University of Science and Technology, Mongolia, full time | 2005-2008 |

RESEARCH INTEREST

- Antenna and RF designing
- Information system analysis, programming
- Designing of information and communication system of building

CERTIFICATIONS AND PROFESSIONAL REGISTRATIONS

Auditor of ISO 9001:2015 Quality Management System, Certificate number: GCTP-1900-1229

Professional engineering № 20-309, Satellite and Mobile Communication

Professional engineering PE-21-4672, Design of Information, Communication and Alarm System of Building

PUBLICATIONS

- Batgerel, A., J. I. Choi, and S. Y. Eom. "High-gain bidirectional MDAS antenna design excited by stacked-microstrip dipole." *Journal of Electromagnetic Waves and Applications* 26, no. 11-12 (2012): 1412-1422
- Batgerel, Ariunzaya, and Soon-Young Eom. "Dual-band microstrip antenna structure combined with high-gain dielectric rod and sleeve-dipole elements." *Microwave and Optical Technology Letters* 54, no. 8 (2012): 1835-1838
- Batgerel, Ariunzaya, and Soon-Young Eom. "Isolation improvement of a TRx stacked microstrip patch antenna using double spur-line band rejection filters." *Microwave and Optical Technology Letters* 55, no. 7 (2013): 1444-1448
- Batgerel, Ariunzaya, and Soon-Young Eom. "90° branch-line Coupler with Reconfigurable Output Power Ratios." *Microwave and Optical Technology Letters* 55, no. 8 (2013): 1878-1881
- Eom, Soon Young, Ariunzaya Batgerel, and Laxmikant Minz. "Compact Broadband Microstrip Crossover With Isolation Improvement and Phase Compensation." *Microwave and Wireless Components Letters, IEEE* 24, no. 7 (2014): 481-483
- Batgerel, Ariunzaya, and Soon Young Eom. "High-isolation microstrip patch array antenna for single channel full duplex communications." *Microwaves, Antennas & Propagation, IET* 9, no. 11 (2015): 1113-1119
- Batgerel, Ariunzaya, Soon Young Eom, Laxmikant Minz, Joung Myoun Kim, and Jae Ick Choi. "High gain bidirectional microstrip dipole antenna." In *Ultra-Wideband (ICUWB), 2011 IEEE International Conference on*, pp. 21-24. IEEE, 2011
- Batgerel, Ariunzaya, Myung Sun Song, Jae Ick Choi, and Soon Young Eom. "TRx stacked microstrip patch antenna with high isolation." In *Communications and Information Technologies (ISCIT), 2012 International Symposium on*, pp. 654-656. IEEE, 2012
- B. Ariunzaya, P. Uuganbayar, and N. Chuluunbandi, "Stepped Impedance Filter Design for Digital Television transmitter in Mongolia", Khurel Togoot-2015,10/22/2015,151
- N. Chuluunbandi, B. Ariunzaya, and P. Uuganbayar, "Bandpass Filter Design for DVB-T2 transmitter", Proceeding of the 6th conference of MUSTAK-2015,8/20/2015,144
- B.Ariunzaya, B.Purevtseren, "VSAT Communication System", Invited lecture, APSCO Training on Satellite Communication, May 12, 2018