

## **CURRICULUM VITAE**

### **1. Name: Ganbold Shagdar**

### **2. Education – degree, discipline, institution, year:**

PhD: Optical communication, Gwangju Institute of Science and Technology, Gwangju, Republic of Korea, 20011.03 – 2016.02

MSc: Telecommunication, Mongolian University of Science and Technology, Ulaanbaatar, Mongolia, 1996.09 – 1997.06

BSc: Telecommunication, Telecommunication, Mongolian University of Science and Technology, Ulaanbaatar, Mongolia, 1986.09 – 1991.06

### **3. Academic experience – institution, rank, title, when, full time or part time:**

2016.04 – until now: Associate Professor, in Department of Communication Engineering Technology, School of Information and Communication Technology of Mongolian University of Science and Technology (MUST), full time

1993 – 2008: Teacher, in Department of Telecommunication system and Switching technology, School of Information and Communication Technology of MUST, part time

### **4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time**

- 2016.04 – now: Associate Professor in in Department of Communication Engineering Technology, School of Information and Communication Technology of Mongolian University of Science and Technology (MUST)
- 2011.03 – 2016.02: Doctor Student in Gwangju Institute of Science and Technology, Gwangju, Republic of Korea
- 2009.01 – 2011.02: Specialist in Information and Communications Network Company of Mongolia.
- 2004.11 – 2008.12: Project manager in Mobicom corporation of Mongolia.
- 2003.07 – 2004.10: Officer, in Policy and Coordination Department of ICT, Ministry of Infrastructure Development of Mongolia.
- 1999.04 – 2003.06: Consultant Engineer, Detecon/decon JV company in Mongolia.
- 1995.10 – 1999.03: Network Planning Expert, Head of Technical Planning Division, Post & Telecommunication Authority of Mongolia.
- 1991.06 – 1995.09: Research worker. Research and Industrial Institute of Mongolia.

### **5. Certifications or professional registrations**

- Consulting engineer of Mongolia

### **6. Current membership in professional organizations:**

- none

### **7. Honors and awards:**





- **Sh.Ganbold**, Z.Buyankhishig "Near Real-time Tracking Mechanism for OUN's Service Performance", pp115-119, "Khurel Togoot-2016" International Research Conference. 2016, Ulaanbaatar, Mongolia
- **Sh.Ganbold**, Z.Buyankhishig "Wavelength minimization based energy-efficiency method in multichannel PON", MUST Research Digest 18/2016,
- B. Tserenlham, Z.Buyankhishig, Sh.Ganbold "Bandwidth allocation methods in WDM-TDM PON", Proceedings of Research Conference., 58-61x
- **Ganbold Shagdar**, Junsu Kim, and Chang-Soo Park, "Sleep-based Energy-efficient DBA in an EPON using the Controlling Mechanism for an ONU's Buffer Occupancy and Packet Delay", Journal of Optical Communications and Networking, 7 (10), pp. 1001-1008, (2015).
- **Ganbold Shagdar**, Junsu Kim, and Chang-Soo Park, "Wavelength channel minimization-based energy-aware mechanism in a multichannel EPON", Journal of Photonic Network Communications, pp. 1-12, published online (Oct, 2015).
- Z.Buyankhisihg and **Sh.Ganbold**, "Optical Multiplexing", Book, DDC 609.2 B-819, Nom Khur, Ulaanbaatar, (2013).
- Z.Buyankhisihg and **Sh.Ganbold**, "Basics of Lightwave Communication", Book, DDC 621.38275 B-819, Nom Khur, Ulaanbaatar, (2011).
- Z.Buyankhisihg and **Sh.Ganbold**, "Capability of Current Backbone Transmission Network of Mongolia", In Proceeding of Doctorate Students Research Conference "Khurel Togoot", on, pp.42-46, Mongolia, (2010).
- **Sh.Ganbold**, "Backbone Transmission Network Innovation of Mongolia", In Research Conference of School of ICT, on, pp.18-20, Mongolia, (2010).
- B.Damdinsuren and **Sh.Ganbold**, "Study for Introduction of Next Generation Network in Mongolia", Scientific and Technology Journal of Mongolia, No.1, pp.5-10, Mongolia, (2009).
- **Sh.Ganbold** and B.Sukhbaatar, "Current Situation of Domestic and Rural Transmission Network of Mongolia", Telecommunication magazine "Bileg", No.7, pp.15-19, Mongolia, (2004).
- B.Sukhbaatar, N.Nansaljav, **Sh.Ganbold**, and N.Baatarsuren, "Project Proposal for the Digital Microwave Link in Western Mongolia", Project report, Mongolia, (1996).
- B.Sukhbaatar, N.Baatarsuren, and **Sh.Ganbold**, "Optic Cable Installation Standard", National Standard MNS5207, Mongolia, (2002).
- **Sh.Ganbold** and Z.Buyankhishig, "Herder's Telecommunication Cryptic Demand", Journal of Telecommunication, No.1, pp.8-14, Mongolia, (2002).

#### **10. Briefly list the most recent professional development activities (conference and seminar):**

- none