

- 1. Name: Narantuya Erkhembaatar**
- 2. Education – degree, discipline, institution, year:**
PhD: Telecommunication, Mongolian University of Science and Technology, 2021
MTech: Satellite communications engineer, Andhra University, India, 2002
BSc: Telecommunication engineer, Polytechnic Institute, Mongolia, 1989
- 3. Academic experience – institution, rank, title, when, full time or part time:**
1991-present: Senior Lecturer, School of Information and Communication Technology, Mongolian University of Science and Technology, full time;
- 4. Non-academic experience – company or entity, title, brief description of position, when, full time or part time**
None.
- 5. Certifications or professional registrations**
None.
- 6. Current membership in professional organizations:**
None.
- 7. Honors and awards:**
 - “Best paper” of 2007 in Academic conference on School of Information and Communication Technology: *“The study on information potential distribution”*.
 - “Best Lecturer award” of the School of Information and Communication Technology, MUST, 2011
- 8. Service activities (within and outside of the institution)**
Advisory for senior students in SICT, MUST
- 9. Briefly list the most important publications and presentations from the past five years – title, co-authors if any, where published and/or presented, date of publication or presentation (selected)**
 - Narantuya, E, Otgonbayar. B, *A Study on the evaluation of the ICT development indexes and some results*, In *International Conference on Advanced Communications Technology (ICACT-2024)*, 2024
 - Narantuya. E, *Evaluation of Indicators for ICT Development Index using an Integrated Entropy Weighting Method*, *ICT Focus*, peer-reviewed journal, N2, ISSN 2958-3187, DOI: <https://doi.org/10.58873/sict.v1i1>
 - Narantuya, E, Otgonbayar. B, Buyankhishig.Z, *Analysis on ICT core indicators of Mongolia*, ISSN 1560-8794, 2023, *Research Bulletin of Mongolian University of Science and Technology*, No23(04)310, 32-35
 - Narantuya, E, Otgonbayar. B, *Comparative study of ICT indicators*, *Management and Innovation journal*, ISSN 2790-2382, 2023

- Narantuya, E, Otgonbayar. B, *The study of Information communication technology development index indicators, Proceedings of the Electronic Nation 100 Academic Conference, ENATION-ICT100, 2021, 532-536*
- Narantuya. E, Otgonbayar.B, *Analysis of ICT development index based on entropy, International journal of innovative research in computer and communication engineering, Volume 8, Issue 10, October 2020, 4043-4049*
- Narantuya. E, Otgonbayar.B, *Entropy weight method for evaluating indicators of ICT development index, International journal of current advanced research, Volume 9; Issue 12 (C); December 2020; Page No.23500-23505*
- Narantuya. E, Otgonbayar.B, *In the problem of applying the entropy-based method to the weight optimization of ICT development index, Research Bulletin of the SICT, 2020,25-29*
- Narantuya. E, *Using the entropy weight method and the different stages distribution method on indicators of ICT, Research Bulletin of Mongolian University of Science and Technology, №3/263, 2019, №3(33),160-165*
- *The study on conparition of information entropy, E.Narantuya, Research Bulletin of Mongolian University of Science and Technology, №28/256, 2019, №2(33), 31-36*
 - Narantuya. E ,“Entropy Weigth Metod for entropy properties” In *Khureltogoot-2019, pp41-45, 2019*
 - Narantuya. E ,Otgonbayar,B.“ Study on core ICT indicators”, *MMT-2019, pp 217-22,2019*
 - Narantuya, E, Nyamgerel, S.“ Analysis of information Network nodes” In *Khureltogoot-2018, pp71-75, 2018*
 - Narantuya. E ,Otgonbayar,B.“ Determining ICT indicators using entropy theory” In *International Conference on Advanced Communications Technology (ICACT-2019), pp 217-22,2019*
 - Narantuya. E ,“Defining information entropy and potential in the communication network” In *International Forum on Strategic Technology (IFOST) 2018, pp. 89-94, 2018.*
 - Narantuya. E, “Multiple regression analysis on information potential”, In *Present and Future ICT-2017,pp76-80, 2018*
 - Narantuya. E, “Model of communication using information entropy”, In *Present and Future ICT-2017,pp46-51, 2018*
 - Narantuya. E, “Electrical circuits transfer function for information potential determination”, In *Present and Future ICT-2017, pp 69-72, 2017*
 - Narantuya.E, “Two-port circuits transfer function for information potential determination”, In *International Conference on Innovation and Entrepreneurship Development 4th International conference on Creative science and Technology (ICCST), pp-190-193,2016*
 - Narantuya.E, “Analysis on information potential in the information network”, In *Present and Future ICT-2017, pp 69-72, 2015*
 - Narantuya. E, “Global Navigation Satellite System Based Search and Rescue System-2014, In *Present and Future ICT-2014, pp80-86, 2014*

- Narantuya. E, “Study on Information Potential”, In *Present and Future ICT-2013*, pp 37-40, 2013
- Narantuya. E, “Analysis on Information Potential of Information Sources”, In *4th International conference on Creative science and Technology (ICCST) 2013*, pp. 62-65, 2013.
- Narantuya. E, “Study on Development of Information Potential”, In *8th International Forum on Strategic Technology (IFOST) 2013, Vol. 2*, pp. 380-383, 2013.
- Narantuya. E, “Study on Development of Information Potential”, In *Information conference on knowledge Based Industry (ICKI) 2011*, pp.269-271, 2011.

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

- Attended the *International Conference on Advanced Communications Technology (ICACT-2024)*, 04-07 Feb,2024
- Attended the *International Conference on Advanced Communications Technology (ICACT-2019)*,18-22 Feb,2019
- Attended the *International Forum on Strategic Technology (IFOST) 2018*, 28-30 June, 2018.
- Attended the International Conference of MUSTAK-2010, 28-30 Oct, 2010.
- Attended the *8th International Forum on Strategic Technology (IFOST) 2013*, 28/06-01/07,2013
- Attended the ICT-2014, 20-21 Feb, 2014.
- Attended the ICT-2014, 10-12 March, 2015.
- Attended the International Conference on Innovation and Entrepreneurship Development 4th International conference on Creative science and Technology (ICCST), 12-13 May,2016
- Attended the ICT-2014, 05-07 April, 2017.