

Curriculum Vitae/CV/

	<p>Enkhtur Tsogbaatar Senior Lecturer, School of Information and Communication Technology (SICT) , Mongolian University Science and Technology (MUST) Email: enkhtur@must.edu.mn; enkhtur@sict.edu.mn; turuu0512@gmail.com; Phone: +97699054973</p>
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1. Personal profile

Surname:	Tsogbaatar
Given name:	Enkhtur
Place of Birth City, Country	Ulaanbaatar, Mongolia
Date of birth:	12.05.1989
Marital Status:	Married
Email:	enkhtur@must.edu.mn ; enkhtur@sict.edu.mn ; turuu0512@gmail.com ;
Address:	Apt-31, Building 49B, Jukov town, 5th subdistrict, Bayanzurkh district, Ulaanbaatar

2. Education

Secondary School:	14th School, Ulaanbaatar./1997-2007/
Higher education:	Doctor of Engineering in Information Science from Nara Institute of Science and Technology (NAIST), Japan. Thesis title: Deep learning-based cyberattacks behaviour analysis for IoT ecosystem /2019-2022/ Master of Information Technology in Information Network, SICT, MUST /2011-2013/ Bachelor of Information Technology in Information Network, SICT, MUST /2007-2011/
Professional training:	<ol style="list-style-type: none">1. Training of CompTIA Pentest+ -2023.08.21-2023.08.252. Training of Certified Ethical Hacking-2023.01.17-2023.01.233. Training of Data Analytics and Cyber Security in Lovely Professional University, India-2022.11.05-2022.12.224. Instructor training of Cisco CCNA Security 2018.

	<p>5. Instructor training of Cisco CCNA IV 2018.</p> <p>6. Instructor training of Cisco CCNA III 2017.</p> <p>7. Training Professional Engineer ICT Sector of Mongolia 2017.</p> <p>8. Rapid 7 Workshop 26-27 April 2017</p> <p>9. Training of Certified Ethical Hacking-2017.04.17-2017.04.21</p> <p>10. Training of Certified Course in Network Security in UTL Technology India-2016.07.11-2016.09.17</p> <p>11. Training of Cisco CCNA Security 2016.</p> <p>12. CCNA official certificate. 2015.</p> <p>13. Instructor training of Cisco CCNA I, II 2014.</p> <p>14. Training of Teaching License 2014.</p>
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3. Work experience

Organization:	Position	Role of position
SICT, MUST, Mongolia	Senior Lecturer, Department of Information network and security. /2016-present/	Teach computer networking and cybersecurity subjects. Research interests include machine learning, anomaly detection, IoT security, and information security risk assessment.
Empasoft Institute of Technology, Mongolia	Cofounder and Senior Lecturer, Department of Cyber security. /2023-present/	Part time, Teach computer networking and cybersecurity subjects
Infocert LLC	Cofounder and Chief Executive Officer /2022-present/	Part time, ISO27001:2013 and information security consulting and audit
Soonchunhyang University, Korea	Postdoctoral Researcher, Laboratory for Information Systems Security Assurance /2022.07-2023.07/	Research interests include machine learning, anomaly detection, IoT security, and in-vehicle security.
Nara Institute of Science and Technology, Japan	Research Assistant, Laboratory for Cyber Resilience /2020.04-2022.03/	Research interests include machine learning, anomaly detection and IoT security.

SICT, MUST, Mongolia	Lecturer, Department of Information network. /2011-2016/	Teach computer networking and cybersecurity subjects. Research interests include information security risk assessment.
SICT, MUST, Mongolia	CCNA, CCNA Security and Information Security Instructor at the Cisco Academy of the ICT Training Center.	Teach CCNA I-IV, CCNA Security, and Information Security training

4. Professional

Professional certificates	<ol style="list-style-type: none"> 1. CCNA certificate. Validation ID- ECC8467092315. 2023. 2. CCNA certificate. Validation ID- ECC16790374197. 2015. 3. Certified Ethical Hacking certificate. 2017- ECC16790374197 4. Professional engineer ICT sector of Mongolia Scope: Information network. 17-224. 2017 5. CCNA Security Instructor
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02.12.2023

Recent publications

1. **Gereltsetseg Altangerel, Máté Tejfel and Enkhtur Tsogbaatar**, "A 1D CNN-based model for IoT anomaly detection using INT data," *2022 IEEE 16th International Scientific Conference on Informatics (Informatics)*, Poprad, Slovakia, 2022, pp. 106-113, DOI: <https://doi.org/10.1109/Informatics57926.2022.10083469>.
2. **Enkhtur Tsogbaatar, Monowar H. Bhuyan, Doudou Fall, Yuzo Taenaka, Khishigjargal Gonchigsumlaa, Erik Elmroth, Youki Kadobayashi**: "A 1D-CNN Based Deep Learning for Detecting VSI-DDoS Attacks in IoT Applications", In *Proceedings of the 34th International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA/AIE 2021)*, July 2021. DOI: [10.1007/978-3-030-79457-6_45](https://doi.org/10.1007/978-3-030-79457-6_45).
3. **Enkhtur Tsogbaatar, Monowar H. Bhuyan, Yuzo Taenaka, Doudou Fall, Khishigjargal Gonchigsumlaa, Erik Elmroth, Youki Kadobayashi**: "DeL-IoT: A Deep Ensemble Learning Approach to Uncover Anomalies in IoT", *Internet of Things*, Vol. 14, pp. 100391, 2021. DOI: [10.1016/j.iot.2021.100391](https://doi.org/10.1016/j.iot.2021.100391)
4. **Enkhtur Tsogbaatar, Monowar H. Bhuyan, Yuzo Taenaka, Doudou Fall, Khishigjargal Gonchigsumlaa, Erik Elmroth, Youki Kadobayashi**: "SDN-enabled IoT Anomaly Detection using Ensemble Learning", In *Proceedings of the 16th International Conference on Artificial Intelligence Applications and Innovations (AIAI)*, June 2020. DOI: [10.1007/978-3-030-49186-4_23](https://doi.org/10.1007/978-3-030-49186-4_23)

5. **Enkhtur Tsogbaatar, Gereltsetseg Altangerel, Minj Purevdagva, Dashdorj Yamkhin:** “A comparative study on information security risk analysis methods”, The 13th International Conference of Technology and Innovation "Khureltogoot 2017", 10/21/2017, Page-29
6. **Minj Purevdagva, Enkhtur Tsogbaatar, Dashdorj Yamkhin:** “Engineering of Access Point, its Analytical Modeling of Empirical Wifi Traffic”, IFOST-2017, 5/31/2017, Page-130
7. **Gereltsetseg Altangerel, Enkhtur Tsogbaatar, Dashdorj Yamkhin:** “Performance analysis on IPv6 transition technologies and transition method”, IFOST-2016, 5/24/2016, Page-112, DOI: [10.1109/IFOST.2016.7884155](https://doi.org/10.1109/IFOST.2016.7884155)
8. **Enkhtur Tsogbaatar, Erdenetuya Dorj, Gereltsetseg Altangerel, Tserenkhuu Manlaibaatar, Nyamlkham Badam:** “A current study of transition process Mongolian’s IPv6” Khurel togoot 2014, 10/10/2014, Page-147