

# TUMENNAST ERDENE BOLD

Assistant Professor, Researcher (Ph.D.)  
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The Republic of Korea.  
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## EDUCATION

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, The Republic of Korea.*

**Ph.D. in Information & Telecommunication Technology (Management) 2018**

Dissertation: The Utilization of Social Media for the Public Sector in Post-Communist Country:  
Based on Citizen and Organizational Perspectives

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, The Republic of Korea.*

**Master of Arts (MA) in Information & Telecommunication Technology (Management) 2014**

Thesis: A Smart Government EA Framework for Mobile Application Services in Mongolia

*Mongolian University of Science and Technology, Computer Science and Management's School,  
Ulaanbaatar, Mongolia.*

**Bachelor of Computer Science (B.Sc.) in Software and Hardware Engineering (Dual Major) 2006**

Thesis: Microcontroller based Network Server and Control

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## TEACHING EXPERIENCE, RESEARCH AREA

*Woosong University, ECIS, Daejeon, Korea*

**Assistant Professor 2019-Now**

Lecture Subjects: Computational Thinking and Programming course, Business Systems Applications course, Management Information Systems course, Special Topics in Digital Economy course, Logic and Web Software course, Introduction to Web Analytics Tool course, Big data and Software Application course, Cryptocurrency and Blockchain Technologies course.

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea*

**Teaching Assistant and Lecturer 2014-2018**

Teaching assistant and Lecture Subjects: Special Topics in Global IT course, Special Topics in ICT Policy and Strategy course, Special Topics in PPP course, Special Topics in ICT4D course, National Informatization Strategy course, Special Topics in ICT/Software R&D course, Global Project Management Practices of ICT4D course, R&D Strategy of IT/SW course, e-Government course.

**Research Area:** Social Media, SNS, Smart/Mobile/e-Government, Public Sector Innovation, Enterprise Architecture (EA), Blockchain, Innovation and Technology Adoption, Smart Farm, Technology Transfer, ICT Policy and Strategy, ICT Management, ICT4D, and ICT Supply Chain.

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## WORK EXPERIENCE

*Woosong University, ECIS, Daejeon, Korea*

**Assistant Professor 2019-Now**

Full-time faculty, lecturer, and researcher

*Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea*

**Post-Doctoral Researcher 2018-2019**

R&D on project: "Study on Blockchain Technology Adoption in Public Sector" funded by Ministry of Science and ICT, the Government of Republic of Korea, and Korea Advanced Institute of Science and Technology (KAIST).

<p><i>Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea</i></p> <p><b>Teaching Assistant</b></p> <p>Teaching Assistant and Lecturer on Special Topics subjects in Global ICT Policy and Strategy, PPP, ICT4D, National Informatization, ICT/Software R&amp;D, R&amp;D Strategy of IT/SW, Blockchain, e-Government, etc.</p>	<b>2014-2018</b>
<p><i>FarmaTrust Ltd, London, the United Kingdom</i></p> <p><b>Consultant</b></p> <p>Consulted to project and pilot on "FarmaTrust Anti-Counterfeit Medicine Project using Blockchain and AI in Mongolia", and coordinated with the Government of Mongolia.</p>	<b>2018-2018</b>
<p><i>BandZ Network Ltd, Toronto, Canada</i></p> <p><b>Head of Global Cooperation</b></p> <p>Global cooperation and partnership with Governments, Industries, and Academia in decentralized extranet technology startup.</p>	<b>2017-2018</b>
<p><i>The Global Commercialization Center (GCC), Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea</i></p> <p><b>Regional Expert on Technology Transfer</b></p> <p>Coordinated Innovation &amp; Technology Transfer projects between Mongolia and Korea: Smart Farm Cooperation Project, Cosmetics Products Advanced Technology Transfer, Mining Advanced Technologies Transfer Survey &amp; Business Opportunity creation, Coal to Liquid (CTL) advanced technology feasibility, Smart Coal technologies technology feasibility, Smart Grid demand survey, Natural Products R&amp;D demand inspection, Smart Education project, Prisoner's e-Tracking system project feasibility, etc.</p>	<b>2015-2018</b>
<p><i>The Global Information &amp; Telecommunication Technology Program (ITTP), Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea</i></p> <p><b>Academic Researcher</b></p> <p>MS &amp; Ph.D. researcher focused on Blockchain, ICT, Social Media, Enterprise Architecture, Smart/Mobile/Electronic-Government, Innovation and Technology Adoption area, etc.</p>	<b>2012-2018</b>
<p><i>Mongolian e-Government Center (NGO), Ulaanbaatar, Mongolia</i></p> <p><b>Co-Founder and Secretariat</b></p> <p>Global Partnership in ICT projects and businesses, bridge, and research on trending ICT &amp; e-Government solutions, Technology Transfer Expertise, e-Government capacity building and trainings, networking experts &amp; delegates in ICT &amp; e-Government government area.</p>	<b>2014-2019</b>
<p><i>The Information, Communication, Technology and Post Authority, the Government Agency of Mongolia under Prime Minister.</i></p> <p><b>Deputy Director</b></p> <p>Managed and implemented Mongolian nationwide projects: National Datacenter Project (2008-2009), The Extension and Innovation of Backbone network project (DWDM, IP/MPLS, SDH, 2011-2012), Mongolian Internet Exchange Renewal Project (2010-2011), Soum Center Access Internet Delivery Projects (2010-2012), The Ulaanbaatar city remote area wireless internet service delivery project (2011)</p> <p>Conducted Feasibility Study (F/S) Projects: National Datacenter Upgrade to Cloud Based solutions project F/S (2011), National Datacenter Disaster Recovery center project F/S (2010), Metropolitan City IP/MPLS backbone network project F/S (2011), etc.</p>	<b>2009-2012</b>

*The Railcom Center, Mongolian Ulaanbaatar Railway - Mongolia and Russian Joint Stock Company, Ulaanbaatar, Mongolia.*

**Network Engineer & System Administrator**

**2006-2009**

Implemented new initiatives as network engineering: New business ADSL service, DSLAM, New P2P wireless access network, advanced switching and routing IP networking (BGP, OSPF, EIGRP, RIPv1, RIPv2, VLAN, VPN, IPLC, QoS, etc.) Cisco, Huawei routers & switches.

Advanced System administration in windows, UNIX based FreeBSD, NetBSD and Linux servers (Web server: Apache, e-Mail servers: Qmail, FTP & TFTP server, DNS server: BIND, NAT, Firewall, Squid Cache server, VMWare, PPPoE, VoIP server, OTRS, MRTG, PRTG, Cacti, Gatekeeper, IpSwitch, GNS3, Ntop, SSH, etc.)

Other System Administration: VoIP configurations (Asterisk, PBX, Cisco Voice Gateway), Security administration (Cisco PIX firewall, m0n0wall, PF, IPFW, IPFILTER), Programming (PHP, Perl, MySQL, PostgreSQL, Joomla, C++), Troubleshooting Backbone, Internet (IP, DWDM, E1), and access side network issues and failures (Dial-Up, ADSL, P2P wireless, FTTH).

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**AWARDS**

- *"The Excellent Paper Award"* **2019**  
Korea Institute of Enterprise Architecture, Seoul, Korea.
- *"The Award of Excellence"* **2018**  
Graduation Ceremony, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.
- *"The Best Young Engineer"*, **2017**  
Mongolian Youth Federation, Tuv Province, Mongolia.
- *"The Excellent Award of Collaborative Spirit"* (third time) **2016**  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.
- *"The Excellent Award of Collaborative Spirit"* (second time) **2016**  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.
- *"KAIST ITTP Best Paper Award"* **2015**  
Global Leadership Academy for Digital Revolution (GLADE), e-Government Global Academy, National IT Society Agency (NIA), Jeju, Korea.
- *Recipient of Ph.D.'s Full Scholarship (tuition and stipend for 3.5 years)* **2014**  
The National IT Industry Promotion Agency (NIPA), the Ministry of Science and Information and Planning (MSIP), the Government of the Republic of Korea.
- *"The Award of Collaborative Spirit"* (first time) **2014**  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.
- *"2013 ITTP Best Report Award - The First Prize"* **2013**  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.
- *"The Award of the Most Fair Play Volleyball Team"* (by team) **2013**  
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea
- *Recipient of Master's Full Scholarship (tuition and stipend for 2 years)* **2012**  
The National IT Industry Promotion Agency (NIPA), the Government of the Republic of Korea.
- *"The Certificate of Honor of the Information Communications Technology Sector of Mongolia"* **2011**  
The Information Communication Technology and Post Authority, The Government of Mongolia.
- *"The Best Young Man" golden medal* **2010**  
The Governor of Ulaanbaatar City, Ulaanbaatar, Mongolia.

- *"The Best Design" Award (by team)* **2005**  
"ABU Robocon Mongolia 2005" national competition, Mongolian Robocon Society, Mongolian National Broadcasting TV, Ulaanbaatar, Mongolia.
- *"The First place on Electronic National 6th Olympiad" (by team)* **2005**  
The Mongolian Universities' Association, Mongolian National University. Ulaanbaatar, Mongolia.
- *"The Special Award" of Think Quest-3 Web design contest of Mongolia (by team)* **2001**  
The Think Quest Organizing National committee, Computer Times Magazine, Ulaanbaatar, Mongolia.
- *"The Special Award of the Mongolian Beautiful Script"* **2000**  
MonTsame Agency and "Khumuun bichig" newspaper, Ulaanbaatar, Mongolia.
- *"The 3<sup>rd</sup> place on National Technical and Technology Olympiad" (K2 car modeling)* **2000**  
Mongolian Technical Technology Olympiad National Committee, Ulaanbaatar, Mongolia.

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#### PUBLICATIONS AND PAPERS

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- *"The Effects of Censorship and Organizational Support on the Use of Social Media for Public Organizations in Mongolia"*  
Asia Pacific Journal of Business, Vol.11, No.2, June 2020 (pp.61-79).  
<https://doi.org/10.32599/apjb.11.2.202006.61>.
  - *"Blockchain Reference Model and Use Case for Supply Chains within Enterprise Architecture"*  
Journal of Information Technology and Architecture, Vol. 16. No. 1, March 2019, Pages 1-10
  - Report Contributor: *Mongolian Case Study part of "Embracing Innovation in Government: Global Trends 2019"*, Pages 118-122, by The OECD Observatory of Public Sector Innovation (OPSI) and United Arab Emirates (UAE) Mohammed Bin Rashid Centre for Government Innovation (MBRCGI), introduced at World Government Summit, Feb 2019. Retrieved from <https://trends.oecd-opsi.org/embracing-innovation-in-government-global-trends-2019.pdf>
  - *"Blockchain Conceptual Use Cases for Enterprise Architecture"*  
International Conference on e-Government Enterprise Architecture and Cloud Computing 2018 (eGEAC 2018), pages 5-8. Seoul, Korea, Dec 2018.
  - *"Blockchain Use Case for the Public Sector"*  
Green Smart Development & Vision 2018, the 8th International Symposia on Global Innovation 2018, Seoul, Korea, Nov 2018.
  - *"Proposing Conceptual Platform for Air Ticketing System using Blockchain Technology"*  
2018 International Conference on Future Information and Communication Engineering (ICFICE-2018)-Vol.10, No.1, ISSN 2384-3004, pages 5-8. Pattaya, Thailand, June 2018.
  - *"The Use of Blockchain Technology in e-Government Domain"*  
2018 International Conference on Future Information and Communication Engineering (ICFICE-2018)-Vol.10, No.1, ISSN 2384-3004, pages 9-12. Pattaya, Thailand, and June 2018.
  - *"Disruptive Blockchain Technology Adoption Possibilities for e-Government Applications: An exploratory study"*  
International Conference on Innovation and Entrepreneurship Development (ICIED 2018), and Management and Innovation Scientific Journal, No.2 (008), ISBN: 976999737154-1, Ulaanbaatar, Mongolia, May 2018.
  - *"The Utilization of Social Media for the Public Sector in Post-Communist Country: Based on Citizen and Organizational Perspectives"*  
Dissertation publication, Korea Advanced Institute of Science and Technology (KAIST) Library, Korea, Feb 2018.
  - *"A proposed Model for Adoption of Social Media in Public Sector as a new Communication Tool"*  
Journal of the 13th International conference of Technology and Innovation "KHURELTOGOOT-2017", ISBN: 978-99978-57-38-5, Ulaanbaatar, Mongolia, Dec 2017.
  - *"A Smart Government EA Framework for m-Services in Mongolia"*  
LAP LAMBERT Academic Publishing, ISBN-13: 978-3330086326, Germany, May 2017.
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- *"Securing Government Information and Data in Developing Countries"*  
IGI-Global, (chapter 5, 90-103) DOI: 10.4018/978-1-5225-1703-0.ch005, USA, Mar 2017.
  - *"Benchmarking Public Procurement 2017: Assessing Public Procurement Regulatory Systems in 180 Economies"*  
World Bank Group, (as Publication Contributor), Nov 2016. Retrieved from:  
<http://pubdocs.worldbank.org/en/121001523554026106/BPP17-e-version-Final-compressed-v2.pdf>
  - *"Proposing a Social Media Adoption Model in Public Sector"*  
The International Conference on Global Science and Technology Convergence, The seventh conference of MUSTAK-2016, ISBN: 978-99973-46-29-2, Ulaanbaatar, Mongolia, Dec 2016.
  - *"Critical Success Factors for Social Media Use in Public Sector"*  
The Green Smart Development & Vision 2015, the fifth International Symposia, Seoul, Korea, Dec 2015.
  - *"An Exploratory Study on Social Network Service Adoption of Web Services on Smart e-Government"*  
The International Conference on Global Science and Technology Convergence, the sixth conference of MUSTAK-2015, Ulaanbaatar, Mongolia, Aug 2015.
  - *"A Framework Development for Mobile Application Services of Smart e-Government in Mongolia"*  
The International Conference on Global Science and Technology Convergence, The sixth conference of MUSTAK-2015, Ulaanbaatar, Mongolia, Aug 2015.
  - *"Using EA with Social Network Services for e-government services in Mongolia"*  
2014 KIEA International Conference on Enterprise Architecture for e-Government. Seoul, Korea. Nov 2014.
  - *"A Smart Government Framework for mobile application services in Mongolia"*  
The ICFW 2014-The International Conference on Future Web, Busan, Korea. Nov 2014.
  - *"Proposing m-Government Service Architecture Design Using Enterprise Architecture in Mongolia"*  
Journal of Information Technology and Architecture of Korea. Vol. 11. No. 3, Pages 261-270. Nov 2014.
  - *"M-Government EA framework in Mongolia"*  
2013 Korean Enterprise Architecture (EA) conference book, Seoul, Korea, 2013.
  - *"Microcontroller based Network server and control"*  
Bachelor's thesis publication, Mongolian University of Science and Technology, Ulaanbaatar, Mongolia, 2006.

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#### ATTENDED NOTABLE CONFERENCES

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- VIP guest, *"World Blockchain Summit Marvels Seoul 2018"*, International event organized by Korea CEO Summit, Shilla Hotel, Dec 2018
  - Delegate, *"2018 Global ICT Leadership Forum"*, International Ministerial-level conference organized by the Ministry of Science and ICT, and the National Information Society Agency of Korea, Seoul, Korea. Nov 2018
  - Participant, *"Blockchain World Summit"*, B2B, B2C International conference organized by AW Trading, London, the United Kingdom. Sep 2018
  - Participant, *"Blockchain Economic Forum"*, International conference organized by LATOKEN, held in San Francisco Marriott Marquis hotel, San Francisco, the United States. June 2018
  - Invited Panelist, *"Mongolian Economic Forum - 2018", Sub-session: Digital Transformation and Blockchain*, International forum organized by the Government of Mongolia, CEO club, held in the Government House, Ulaanbaatar, Mongolia. May 2018
  - Guest Speaker, *"Digital Transformation and Emerging Technologies"*, international conference organized by The Communication Information Technology Authority and The Cabinet Office, The Government office of Mongolia, National Datacenter, Smart Government Project, and Mongolian e-Government Center, and held in the Ministry of Foreign Affairs, Ulaanbaatar, Mongolia. May 2018
  - VIP guest, *"9th Blockchain Symposium: Token Economy"*, International symposium organized by SYNCO, held in Grand Intercontinental Seoul Parnas Hotel, Seoul, Korea. Apr 2018
  - Participant, *"2017 Daejeon Global Innovation Forum"* UNESCO - World Technopolis Association (WTA) – High-Tech Fair, and Business Conference organized by UNESCO, WTA, Daejeon Metropolitan City, Ministry of Science and ICT, Ministry of Trade, Industry and Energy, Ministry of SMEs and Startups, Innopolis Foundation, Korea Advanced Institute of Science and Technology (KAIST) held at Daejeon Convention Center, Daejeon, Korea. Sep 2017
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- Presenter, "*2016 Global Commercialization Workshop*" organized by Ministry of Science, ICT and Future Planning of Korea, the Global Commercialization Center (GCC) and the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), Chungnam Techno Park (CTP), Electronics and Telecommunications Research Institute (ETRI), Seoul National University International IT Policy Program (ITPP), Munji Campus, Daejeon, Korea. Dec 2016
  - Participant, "*CPR South 2016 – Young Scholars Programme: Inclusive Innovation*" communications policy research Asian and African seminar organized by International Development Research Centre (IDRC|CRDI), and workshop co-hosted by COSTECH and Tanzania Communications Regulatory Agency (TCRA) Zanzibar, Tanzania. Sep 2016
  - Presenter, "*WCCA-AFITA 2016*" World Congress on Computers in Agriculture Asia Federation for Information Technology in Agriculture organized by Korea Rural Community Corporation, Agri-food ICT Convergence Research Institute, Suncheon National University, held in Suncheon, Korea. Jun 2016
  - Presenter, "*The 5th International Symposia on Green, Smart, Development and Vision 2015*" organized by International IT Policy Program (ITPP) and the Smart, Technology, Information, Culture and Knowledge (ISTICK) Center in Seoul National University (SNU), held in Hoam Faculty House of SNU, Seoul, Korea. Dec 2015
  - VIP delegate, "*The 23rd IFIP - World Computer Congress*" and "*The 2nd TOPCIT conference*" organized by Korean Institute of Information Scientists and Engineers, Ministry of Science, ICT and Future Planning of Korea, Daejeon Metropolitan city, Chungnam National University, Electronic Telecommunication Research Institute (ETRI), Institute of Information and Communication Technology Promotion (IITP), Korea Advanced Institute of Science and Technology (KAIST), Korea Institute of Science and Technology Information (KISTI), IEEE computer Society held in Daejeon, Korea. Oct 2015
  - Moderator, "*2014 Global ICT Seoul Forum*" under the theme 'Global Collaboration for Creative Economy', organized by the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), SNU International IT Policy Program, supported by the Ministry of Science, ICT and Future planning of Korea and National IT Industry Promotion Agency (NIPA), Seoul, Korea. Nov 2014
  - Presenter, "*2014 KIEA International Conference on Enterprise Architecture for e-Government*" co-organized by Ministry of Government Administration and Home Affairs, Korea Institute of Enterprise Architecture (KIEA), National Information Society Agency (NIA) held at K-Hotel, Seoul, Korea. Nov 2014
  - Delegate, "*2014 United Nations Public Service Forum, Day and Awards Ceremony*" organized by the United Nations Department of Economic and Social Affairs (UNDESA), Division for Public Administration and Development Management (DPADM), The Ministry of Security and Public Administration of Korea, held in Korea International Exhibition Centre (KINTEX), Seoul, Korea. Jun 2014
  - Invited Speaker, "*Jeju Forum 2014*" for Peace and Prosperity, under the theme Designing New Asia, host and organized by Jeju Special Self-Governing Province, International Peace Foundation, East Asia Foundation, Jeju Peace Institute, JoongAng Ilbo, held in Haevichi Hotel & Resort, Jeju, Korea. May 2014
  - Presenter, "*2013 Korea EA International Conference*" organized by the Ministry of Public Administration and Security (MOPAS), National Information Society Agency (NIA), National IT Industry Promotion Agency (NIPA), held in Sookmyung Women's University, Seoul, Korea. Dec 2013
  - Delegate, "*2012 United Nations Public Service Forum, Day and Awards*" international event including 192 member countries, organized by the United Nations Department of Economic and Social Affairs (UNDESA), Division for Public Administration and Development Management (DPADM) held in General Assembly Hall of United Nations, New-York, USA. Jul 2012
  - Participant, "*Global e-Government Forum*" organized by the United Nations, Ministry of Security and Public Administration (MoPAS), Ministry of Knowledge and Education (MKE), National IT Society Agency (NIA), National IT Industry Promotion Agency (NIPA), Korean Association of Public Administration (KAPA), Information Technology Service Industry Association (ITSA) of Korea in Lotte Hotel, Seoul, Korea. Oct 2012
  - Invited Guest, "*8th SEIS 2011 – Sharing Experience in IT Service 2011*" international conference organized by Ministry of Knowledge and Education (MKE), National IT Industry Promotion Agency (NIPA) held in LOTTE Hotel Seoul, Seoul, Korea. Nov 2011
  - Rapporteur, "*United Nations Conference on e-Government in Asia and the Pacific*" organized by United Nations Department of Economic and Social Affairs (UNDESA), Economic and Social Commission for Asia and the Pacific (ESCAP), United Nations Project on Governance (UNPOG),
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and the Ministry of Public Administration and Security (MOPAS) of Korea, held in Millennium Seoul Hilton Hotel Grand Ballroom, Seoul, Korea. May 2011

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#### SEMINAR, WORKSHOP, EXHIBITION, TRAINING COURSES

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- "*Certified Blockchain Professional (CBCP) Certification*" by Blockchain Institute of Technology, United States. 2018.
  - "*Certified Blockchain Developer*", "*Certified Ethereum Expert*", "*Certified Blockchain Expert*" certifications from Blockchain Council, 2018.
  - "*IBM Blockchain Essentials*" badge issued by IBM, USA. 2018.
  - "*2017 Global Commercialization Conference*" organized by Ministry of Science, ICT and Future Planning of Korea, the Global Commercialization Center (GCC) and the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), Chungnam Techno Park (CTP), Electronics and Telecommunications Research Institute (ETRI), held in KAIST Industrial building conference hall, Daejeon, Korea. 2017.
  - "*Certificate of Completion – MarkAny Global externship Program*" on Feasibility Study on Public Key Infrastructure (PKI) based Central Government Electronic Document Management System (EDMS) in Mongolia, organized by Business Opportunity Creation Program of Global ITTP, KAIST. 2016.
  - "*2016 IoT International Conference*" organized by Ministry of Science and ICT, Korea IoT Association, Korea Internet Security Agency (KISA), National Information Society Agency (NIA), National IT Industry Promotion Agency (NIPA), Korea Electronics Technology Institute (KETI), Telecommunications Technology Association (TTA), Korea Communications Agency (KCA), held in Coex Hall, Seoul, Korea. 2016.
  - "*2016 IT/SW Global Cooperation Seminar*" organized by Ministry of Science, ICT and Future Planning of Korea, National IT Industry Promotion Agency (NIPA), Korea Information Technology Service Industry Association (ITSA), the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea. 2016.
  - "*2016 Technology Demand Survey Seminar for Global Commercialization*" organized by the Global Commercialization Center (GCC) and the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea. 2016.
  - "*2015 GLADE seminar*" organized by the Global IT Technology Platform (ITTP) of the Korea Advanced Institute of Science and Technology (KAIST), Seoul National University International IT Policy Program (ITPP), National Information Society Agency (NIA) e-Government Global Academy (eGGA) held at NIA Global Center in Jeju-Island, Korea. 2015.
  - "*2015 The IT/SW Service Global Cooperation Camp*" hosted and organized by Ministry of Science and ICT, Future Planning of Korea, National IT Industry Promotion Agency (NIPA), Korea Information Technology Service Industry Association (ITSA), Seoul, Korea. 2015.
  - "*2014 KIEA International Conference on Enterprise Architecture for e-Government*" co-organized by Ministry of Government Administration and Home Affairs, Korea Institute of Enterprise Architecture (KIEA), National Information Society Agency (NIA) held at K-Hotel, Seoul, Korea. 2014.
  - "*Seoul – IoT Korea Exhibition 2014*" organized by Ministry of Science and ICT, Korea IoT Association, Korea Internet Security Agency (KISA), National IT Industry Promotion Agency (NIPA), Korea Electronics Technology Institute (KETI), Coex Hall, Seoul, Korea. 2014.
  - "*2014 IT/SW Service Global Cooperation Conference*" hosted and organized by Ministry of Science, ICT and Future Planning of Korea, Korea Information Technology Service Industry Association (ITSA), FKI conference center, Seoul, Korea. 2014.
  - "*KAIST-NIA Cooperative Workshop for e-Government*" organized by the Global IT Technology Platform (ITTP) of Korea Advanced Institute of Science and Technology (KAIST), e-Government Global Academy (eGGA) of National Information Society Agency (NIA), Munji Campus, Daejeon, Korea. 2014.
  - "*ICT Expert Training Program 2014*" hosted by the Ministry of Science, ICT and Future Planning (MSIP) and organized by the Korea Internet and Security Agency (KISA), Seoul, Korea. 2014.
  - "The International Conference on Industrial Convergence Technology – ICICT 2014", 5th Conference of MUSTAK-2014 organized by Mongolian University of Science and Technology, Korean Soon Chun Hyang University, and Korean ICT Platform Society, Asan city, Korea. 2014.
  - "*2013 International Symposium on ICT convergence in the Food and Agriculture Industry*" organized by Korean Society of Food and Agricultural Information Science, Ministry of Agriculture, Food and Rural Affairs, RDA, EPIS of Korea, at KINTEX, Ilsan, Korea. 2013.
  - "*2013 Global ICT Seoul Forum and SMPR workshop*" under the theme Sharing Experience in Software organized by the Ministry of Science, ICT and Future Planning (MSIP), National IT Industry Promotion Agency (NIPA), Seoul, Korea.
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- *"International conference on Daedeok Innopolis 40th Anniversary"* organized by the Innopolis Foundation, Daejeon, Korea. 2013.
  - *"2013 NIPA-ITSA-ITTP Joint Workshop for Developing business for Feasibility Study and Master Plan on e-Government"* co-organized by KAIST Global IT Technology Program, Korea Information Technology Service Industry Association (ITSA), and National IT Industry Promotion Agency (NIPA) Promotion Agency under the sponsorship of the Korean Ministry of Science, ICT and Future Planning, Daejeon, Seoul, Korea. 2013.
  - *"Cloud Expo Korea 2013"* Asia-pacific regional cloud computing exhibition organized by Busan IT Promotion Agency, Cloud computing Association at BEXCO, Busan, Korea. 2013.
  - *"2013 International forum on technology for society"* organized by KAIST, KITECH, at Press Center, Seoul, Korea. 2013.
  - *"World IT Show 2013"*, Global Technology Exhibition organized by Ministry of Trade, Industry and Energy, Korea international Trade Association, Korea Association for ICT Promotion, Seoul, Korea. 2013.
  - *"2012 Global ICT Seoul Forum on Building Partnership through Sharing IT Developing countries"* hosted and organized by Ministry of Knowledge Economy (MKE) of Korea, organized by National IT Promotion Agency (NIPA), Seoul National University (SNU), Korea Advanced Institute of Science and Technology (KAIST), at Ritz Carlton Hotel, Seoul, Korea. 2012.
  - *"7th Korea Open International Taekwondo Championship"* organized by World Taekwondo Federation, Ministry of Culture, Sports and Tourism of Korea, Korean Olympic Committee, Korea Sports Promotion Foundation, held in Gyeongju city, Korea. 2012.
  - *"2012 Electronics and IT Industry Fair"* under the theme of 'ICT vision and agenda, ICT technology and industrial prospect' organized by Ministry of Knowledge Economy (MKE) held in KINTEX, Ilsan city, Korea. 2012.
  - *"Japan-Mongolia Joint Seminar on Preventing and Mitigating of Disaster from Earthquake"* training course organized by JICA/Japan International Cooperation Agency/ and Disaster Reduction Learning Center, in Tokyo, Osaka, Kobe cities, Japan. 2012.
  - *"APT Training course on IPMAN and Its Applications"* organized by Asia-Pacific Telecommunity/APT/ and Shanghai Telecom Training Center in Shanghai, China. 2011.
  - *"Internet Service Provider Design Seminar and Backbone Routing Protocol Workshop"* training course (internship) organized by The United States Telecommunications Training Institute/USTTI/, sponsored by Cisco Systems, Inc in San Jose, CA. USA. 2010.
  - *"Introduction to the Internet Global Collaborative Development"* training course organized by The United States Telecommunications Training Institute/USTTI/, sponsored by Internet Society (ISOC) in Washington DC, USA. 2010.
  - *"Fostering the Development of Broadband Networks and Converged Services"* training course organized by The United States Telecommunications Training Institute/USTTI/, sponsored by Verizon, in Washington DC, USA. 2010.
  - *"Consultation on Broadband Development Policy in Mongolia"* seminar organized by Korea Information Society Development Institute/KISDI/ and sponsored by Korea Communications Commission in Seoul, the Republic of Korea. 2010.
  - *"Government leadership"* training course organized by Academy of Management, The Government Agency of Mongolia in Ulaanbaatar, Mongolia. 2010.
  - *"Level A of DWDM system ZXWM, M900/ZXMP M800"* engineering training course organized by ZTE University in Shenzhen, China. 2010.
  - *"Cisco Certified Network Associate 1~4"* four semester training courses, organized by Cisco Academy, Railcom Center, Ulaanbaatar, Mongolia. 2007.
  - *"Internet Resource Management Essentials Course and Security Tutorial workshop"* organized by APNIC /Asian Pacific Network Information Centre/ and Datacom LLC in Ulaanbaatar, Mongolia. 2007.
  - *"NGN-Next Generation Network"* engineering training course organized by the Communication Information Technology Agency, Mongolian Telecom Company, and ZTE University in Ulaanbaatar, Mongolia. 2006.
  - *"Internet Resource Management Essentials Course"* training organized by Asian Pacific Network Information Centre (APNIC), and Datacom LLC in Ulaanbaatar, Mongolia. 2006.

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#### LANGUAGES

- Mongolia – Native
  - English – Fluent
  - Korean – Intermediate
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## MEMBERSHIPS

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- Co-Founder, Board Member of Mongolian e-Government Center (NGO).
- Certified Blockchain Council Member, Blockchain Council.
- Researcher, The 4Lab Center, Endicott, Woosong University.

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## REFERENCES

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- <https://oecd-opsi.org/innovations/counterfeit-medicine-detection-using-blockchain-and-ai/>
- <https://techbullion.com/farmatrust-and-government-of-mongolia-round-up-feasibility-study-to-eliminate-fake-drugs-in-the-country/>
- <https://ikon.mn/n/1aoj>
- <https://newspress.mn/v1/p/news/4405>
- <https://bit.ly/2NwAJQv>
- <https://bit.ly/2NIDBPY>
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