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Burkhant 4-7, 2th khoroo, 14th bag, Darkhan sum, Darkhan-Uul aimag, Mongolia
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EDUCATION

Ministry of Energy, SHUTIS, Ulaanbaatar, Mongolia
Consulting engineer training in electrical system and network 2022
School of Energy, SHUTIS, Ulaanbaatar, Mongolia
Master of Science in Power Plants and Systems 1997
Thesis "Mathematical model of steady-state calculation of power system"
School of Energy, SHUTIS, Ulaanbaatar, Mongolia
Bachelor of Electrical Engineering in Power Generation and Distribution Automation 1986-1991
Thesis "Development of relay protection and automatic measuring devices on integrated microcircuits"
Darkhan Polytechnic, Mongolia
Electrical technician 1981-1984
Thesis "Relay protection of thermal power plant elements"
Bulgan Province, Bulgan Sum, General Education School
Secondary Education 1979-1981
Bulgan Province, Orkhon Sum, General Education School
Incomplete Secondary Education 1971-1979

WORK EXPERIENCE

Department of Energy and Information Technology, Technical School in Darkhan-uul province of SHUTIS
Senior teacher 2021 to present
Department of Energy and Information Technology, Technical School in Darkhan-uul province of SHUTIS
branch manager 2017-2021
Department of Energy, School of Technology in Darkhan-Uul province of SHUTIS
Head of Department 2011-2017
Department of Energy, Technical College, Darkhan-Uul, Mongolia
Head of Department 1995-2010
Department of Energy, Technical College, Darkhan-Uul, Mongolia
head of teaching department 1991-1994
Darkhan-Seleng Electricity Network Department, Darkhan City
test fitter, cable line master 1984-1986

RESEARCH INTEREST

Study of the quality of electricity in the distribution network / leader: 2011 to present
Academician of Science, Dr. Professor D. Sodnomdorj.

PUBLICATIONS AND PAPERS

J. Bat-Erdene (2020), Coursework Methodology for the Electromagnetic Transition Process of Electrical Systems (handbook, fourth edition), ISBN 978-99929-2-401-8. 3.5 press release 2020
J. Bat-Erdene (2019), Electrical equipment of power stations and substations (Textbook), ISBN 978-9919-21-988-8. 45.325 press pages 2019
J. Bat-Erdene (2019), Power system relay protection (first book, revised and enriched third edition): /Basic university textbook/, ISBN 978-99929-859-3. 48 press pages 2019
J. Bat-Erdene (2016), Power System Relay Protection (Book One, Second Edition), ISBN 978-99929-859-3. 48 press pages 2016
J. Bat-Erdene (2012), Methodology of the course work of Electromagnetic transition process, ISBN 978-99929-2-401-8. 3.5 press release 2012
J. Bat-Erdene (2012), Methodology of designing the electrical part of power plants and substations, ISBN 978-99929-2-401-8. 9.4 XX 2012
J. Bat-Erdene (2008), Improving the reliability of electrical equipment (explanations, questions and answers), ISBN 978-99929-859-8-4. 138 pages. 2008

RESEARCH REPORTS AND ARTICLES

Development and use of smart meters/J. Bat-Erdene, S. Batbaatar, M. Ariunjargal//Development of information and technology in the energy and mining industry-2022: Proceedings of the meeting of the E/sh.-Darkhan-Uul province, 2022 .-Pages 135-138. 2022

Increasing the efficiency of electric energy in the power supply system/J. Bat-Erdene//Collection of the work of the National Institute of Technical Education and Research of the State Technical University №22(10)-298. -2022.-Pages 35-39. 2022

Research on adjusting the voltage of the 6 kV overhead line from cell №28 of Dzhungharaa substation/G. Gansuren, B. Uyangasaihan, J. Bat-Erdene//Collection of works of teachers and students of the DaTS of SHUTIS №21 (8)-285.- 2021.- Pages 105-110 2021

Introduction of energy management by installing smart meters in factories/Ch. Byambasuren, J. Bat-Erdene//Higher Education Era Journal 2021/05(05).-Pages 111-114. ISBN 978-9919-9608-6-5. 2021

Introduction of energy management by installing smart meters in factories/Ch. Byambasuren, J. Bat-Erdene//Compendium of the work of the Department of Energy and Information Technology of SHUTIS.- 2021. 2021

Methodology for calculating the intensity loss of low-voltage network/T. Gerelt-Od, J. Bat-Erdene//Collection of the work of the Department of Technical Education and Research of SHUTIS.- 2021. 2021

Intensity loss of rain feeder of 110/35/6 kV Dzungharaa substation/G. Gansuren, B. Uyangasaihan, J. Bat-Erdene//Compendium of the work of the National Technical Service of SHUTIS. - 2021. 2021

Software used in the commercial activities of "Darhan-Seleng Electric Distribution Network" Joint Stock Company/M. Ariunjargal, S. Batbaatar, J. Bat-Erdene//Compilation of the work of the Department of Technical Education and Training of SHUTIS.- 2021. 2021

Investigation of line intensity loss from cell №26 of 110/35/6 kV Dzungharaa substation/B. Zayaatushig, J. Bat-Erdene//Proceedings of the conference of E. Sh. - 2021. 2021

Software used in the commercial activities of "Darhan-Seleng Electric Distribution Network" Joint Stock Company/M. Ariunjargal, S. Batbaatar, J. Bat-Erdene//Proceedings of the conference of E.Sh. - 2021 2021

Calculation of Sukhbaatar 6 kV network mode and determination of intensity loss/O. Uyanga, J. Ariunaa, D. Sodnomdorj, J. Bat-Erdene//Compendium of works of DaTS of SHUTIS №31/252.- 2019.- Pages 131-136. 2019

The effect of high-power CHP operation on the system in Mongolia /S. Khuslen, J. Bat-Erdene, Sh. Gantumor//Compilation of works of the DaTS of SHUTIS № 31/252.- 2019.- Pages 120-124. 2019

Use of 10 MW solar power plant and participation in energy system operation /D. Khishigtogtoh, Sh. Gantumor, J. Bat-Erdene//Compendium of works of the DaTS of SHUTIS №31/252. - 2019.- Pages 115-119. 2019

Mode of operation of neutral point of low-voltage network and selection of portable disconnecting device /N. Telmen, J. Bat-Erdene//Compendium of works of DaTS of SHUTIS №13/240.- 2018.- Pages 72-77 . 2018

About protective strip of power line network /T. Sumya, J. Bat-Erdene, E. Enkhchimeg//Importance of leadership: E/sh conference proceedings.- Darkhan-Uul province, 2017.- Pages 70-73. 2017

Study of the stability of EHS with thermal and hydroelectric power plants /Kh. Ider, J. Bat-Erdene//Compilation of works of the DaTS of SHUTIS №10/193.- 2017.- Pages 68-77. 2017

The current state of Darkhan city electricity supply project implementation /J. Bat-Erdene, T. Sumya, E. Enkhchimeg// Current state and future goals of Darkhan-Mountain province's energy and water supply system: Consultation-2017 E/sh conference compilation.- Darkhan-Uul province, 2017.- Pages 92-97. 2017

A WORK INTRODUCED INTO INDUSTRIAL PRACTICE

The project to establish an electrical system automation laboratory: was implemented with the investment of MCEL LLC. -Darkhan-Uul province, 2022.- (Teaching laboratory of DaTS) 2022

Electrical equipment of power stations and substations: Copyright certificate of Mongolia / J. Bat-Erdene.- 2019.- Number 11391. 2019

Electrical equipment cabinet and laboratory project: implemented with the investment of "Darhan-Seleng Electric Distribution Network" Joint Stock Company. - DARKHAN-UUL province, 2018, 2019.- (Teaching laboratory of DaTS). 2018-2019

Power electronics and conversion technical laboratory project: implemented with the investment of KOICA International Cooperation Organization. - DARKHAN-UUL province, 2014. - (Teaching laboratory of DaTS).	2014
Methodology for the design of the electrical part of power plants and substations: Copyright certificate of Mongolia / J. Bat-Erdene.- 2013.- №5241.	2013
Improving the reliability of electrical equipment: Copyright certificate of Mongolia/J. Bat-Erdene.- 2013.- №5240.	2013
Power system relay protection: Copyright certificate of Mongolia/J. Bat-Erdene.- 2013.- №5239.	2013
Industrial process automation laboratory project: Implemented with the investment of KOICA International Cooperation Organization. - DARKHAN-UUL province, 2010. - (Teaching laboratory of DaTS).	2010
Electric car laboratory project: implemented with the investment of the Ministry of Education and Culture. - DARKHAN-UUL province, 2010. - (Teaching laboratory of DaTS).	2010
Electrotechnical laboratory project: implemented with the investment of the Ministry of Education and Culture. - DARKHAN-UUL Province, 2010. - (Teaching Laboratory of DaTS)	2010
AFTER REVIEWING AND CREATING	
Ministry of Education and Science, German Cooperation GIZ, Competence Center, Vocational Education Teacher Qualification Curriculum Program C1-C5, D1-D5, A1-A5 (industrial electrician), 2023.	2023
Electromechanical transition process of power system (laboratory instructions), Kh. Ider, 2014, 51 pages, ISBN 978-99973-888-6-5.	2014
Electrotechnical materials (conductive materials), T. Sumya, 2014, 5.15 press page	2014
Calculation of electric lighting (manual), B. Uyangasaikhan, 2013, 4.75 pages of publication.	2013
Fundamentals of electrical engineering theory (instructions for laboratory work), A. Bum-Ayush, D. Tserennadmid, 2013, 97 pages.	2013
Applied electrical engineering (manual), Sh. Altankhundaga, 2012, 116 pages.	2012
Electric circuit theory (textbook), A. Bum-Ayush, 2010, 25.6 publication pages, ISBN 978-99929-1-943-4.	2010
Electric network equipment and its use , Sh. Dulamsuren, 2009, 24.3 publication page.	2009
TRAININGS FOR PROFESSIONAL DEVELOPMENT	
Ministry of Energy, School of Energy, University of Science and Technology Consulting engineer training in electrical system and network	2022-05-09
Mongolian Academy of Sciences and Institute of Philosophy, SHUTIS School of Technology in Darkhan-uul province Theoretical and methodological training "problems of teacher professional ethics", "Experience using psychological methods in education"	2023-04-14
Ministry of Education, Culture, Science and Sports, Asian Development Bank, L2766-Mon Higher Education Reform Project Dissemination of CDIO standards and methodologies for outcomes-based education	2018
Asian Development Bank, Ministry of Education, Culture, Science and Sports, Independent Research Institute of Mongolia seminar on the topic "Using the results of higher education labor market research in educational activities"	2018-03-01
HONORS AND AWARDS	
Honorary medal for 100 years of the People's Revolution • Mongolian government	2022.06.24
Chief employee • Industrial Committee of Educational Sciences	2022
The highest state award "Golden Pole" • President of Mongolia	2021
Creative teacher of the year • School of Technology in Darkhan-uul province of the University of Science and Technology	2019-09-27
SHUTIS Rector's Award • Mongolian University of Science and Technology	2015-09-30
TOP-100 endorsements of SHUTIS • Mongolian University of Science and Technology	2014-12-16
Head of public education	2014-01-15

- Ministry of Education, Culture, Science and Sports,
Seal of Friendship 2009-10-26
- Darkhan-Uul Province Governor's Office
Order of Teacher Merit 2009-10-05
- Association of Veteran Teachers
The glory of the teacher 2003-01-24
- Association of Veteran Teachers
Senior teacher badge 2001-12-15
- **Teachers association**
- Chief energy officer** 1999-10-15
- Ministry of Infrastructure Development

LANGUAGES

Russian| can read and understand books, research sources, and TV

TECHNICAL SKILLS

providing consulting services for technical upgrades of electrical systems and networks

PROFESSIONAL AND OTHER MEMBERSHIPS

Associate Professor, Technical College, Darkhan-Uul, Mongolia 1999 to present

Member of the Mongolian trade union 1981 to present