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Iskander Kurabayev - Public CV

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REGISTRY REVIEWED: 2026-08-23

PROFILE

- Name: Iskander Kurabayev.
- Source-registry review date: 2026-08-23.

RESEARCH FOCUS

- Insulation parameters.
- Energy efficiency.

CURRENT ROLES

- Senior Lecturer, S. Seifullin Kazakh Agrotechnical Research University. The role is recorded as current as of 2026-08-09.
- Independent Director and Board Member, Astana-Energy JSC. Elected: 2024-01; the role is recorded as current as of 2026-08-09.

EDUCATION

- PhD - Electrical complexes and systems.
- Master of Technical Sciences - Electrical Power Engineering.
- Specialist degree - Industrial power supply; Engineer-electrician.

PROFESSIONAL CREDENTIAL

- Certified energy auditor in the field of energy saving and energy efficiency improvement. Certificate issued on 2026-08-14 and valid until 2029-08-06; professional practice is recorded since 2010.

RESEARCH PROJECT

- AP22787517 (2024-2026), Principal Investigator. Development and testing of a prototype device for measuring insulation parameters in electrical networks with an isolated neutral.

SELECTED PUBLICATIONS

- 2023. Error estimation of the developed method for ungrounded AC systems to determine the network insulation. DOI [10.52167/1609-1817-2023-125-2-428-436](https://doi.org/10.52167/1609-1817-2023-125-2-428-436)
- 2023. Approbation of the developed method for determining network insulation parameters on an operating excavator. DOI [10.48081/YIUH4401](https://doi.org/10.48081/YIUH4401)
- 2022. Mathematical description of the method for ungrounded AC systems to determine the network insulation. DOI [10.1049/gtd2.12436](https://doi.org/10.1049/gtd2.12436)
- 2022. Experimental research of the developed method to determine the network insulation for ungrounded AC systems in laboratory conditions. DOI [10.1109/ICECET55527.2022.9873012](https://doi.org/10.1109/ICECET55527.2022.9873012)
- 2019. Experimental studies of a developed method for determining the insulation parameters in a network with isolated neutral voltage up to 1000 V. [Public article](#)

PATENTS

- 37923. Способ измерения несимметричных параметров изоляции в электрических сетях с изолированной нейтралью напряжением до и выше 1000 В с учетом метода симметричных составляющих. Published: 2026-03-27; status: active as of 2026-08-09. [Official register](#)
- 35922. Способ измерения параметров изоляции электрических сетей с изолированной нейтралью напряжением до и выше 1000 В с учетом симметричных составляющих. Published: 2022-10-21; status: not in force; checked 2026-08-09. [Official register](#)
- ЕА 041128. СПОСОБ ИЗМЕРЕНИЯ ПАРАМЕТРОВ ИЗОЛЯЦИИ ЭЛЕКТРИЧЕСКИХ СЕТЕЙ С ИЗОЛИРОВАННОЙ НЕЙТРАЛЬЮ НАПРЯЖЕНИЕМ ДО И ВЫШЕ 1000 В С УЧЕТОМ КВАДРАНТОВ КОМПЛЕКСНОЙ ПЛОСКОСТИ. Published: 2022-09-16; status: not in force; checked 2026-08-09. [Official register](#)

SELECTED RECOGNITION

- 2024. For contribution to energy saving - industry award.
- 2023. Distinguished Power Engineer - Ministry of Energy of the Republic of Kazakhstan.
- 2018. Honoured Energy Worker - Ministry of Energy of the Republic of Kazakhstan.
- 2016. Honoured Energy Worker - Kazakhstan Electric Energy Association.

PROJECTS IN DEVELOPMENT

- AI Energy Auditor - in development. Draft concept for AI-assisted energy audit with traceable reasoning; not a launched product or active AI service.
- STM32 / measurement lab - in development. Hardware signal capture and a measurement test bench; no validated performance claim is made.

PUBLIC PROFILES AND CONTACT

- Public profile and professional contact route: <https://ikurabayev.kz/>
- ORCID: [0000-0002-4331-4726](#)
- Scopus Author ID: [57473761100](#)

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