

JUNCHENG LIU

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Juncheng Liu is a distinguished Professor-level Senior Engineer with extensive expertise in electrical engineering, specializing in power systems and automation. He holds a Bachelor's degree in Electrical Engineering from Xi'an Jiaotong University and a Master of Engineering degree from the same institution. Mr. Liu has made significant contributions to the field of power quality, with over three decades of experience in research, development, and leadership roles across various organizations.

EDUCATION

- **July 1984 - July 1988:** Studied in the Department of Electrical Engineering at Xi'an Jiaotong University, specializing in Power Systems and Automation, and obtained a Bachelor's degree.
- **2009 - 2015:** Pursued a Master's degree in Engineering at the School of Electrical Engineering, Xi'an Jiaotong University, and obtained a Master of Engineering degree.

PROFESSIONAL EXPERIENCE

Boyuu Electric | Xi'an, China

CTO 06/2010-Present

- Power Quality research and product development.
- Organized and led the development and drafting of national and international power quality standards.

Lingbu Technology Co., Ltd | Shenzhen, China

CTO 05/2001-05/2010

- power quality monitoring

Xi'an Electrical Research Institute | Xi'an, China

Senior Scientist 06/1995-04/2021

- power quality management research

Xi'an Transmission and Substation Design and Research Institute | Xi'an, China

Engineer 08/1988-05/1995

- HVDC transmission and power quality management research.

PROFESSIONAL AFFILIATIONS

- Convener of the IEC TC8 WG11 International Standard Working Group on Power Quality.
- IEC TC8 Representative for the IEC ACEC (IEC SMB Advisory Committee on Electromagnetic Compatibility).

- Registered expert in IEC TC8 WG8 (Maintenance of Electrical Equipment), IEC TC8 JWG9 (Low Voltage DC Distribution), and IEC TC8 SC8B WG1 (Microgrids).
- Expert member of Cigre JWG C4.24 Working Group on Future Grid Power Quality and Electromagnetic Compatibility.
- Member of the National Technical Committee on Voltage, Current, and Frequency Standardization.
- Vice Chairman of the Power Quality Committee of the China Power Supply Society.
- Senior Member of the China Electrotechnical Society.

HONORS & AWARDS

- *Second Prize, Xi'an Science and Technology Progress Award. 2014*
- **IEC 1906 Award. 2015**
- **Top Ten Practitioners Award, China's Top Ten Figures in Standardization. 2015**
- *Third Prize, China Machinery Industry Science and Technology Award. 2016*
- *Third Prize, China Machinery Industry Science and Technology Award. 2017*
- *First Prize, China Machinery Industry Science and Technology Award. 2018*
- *Third Prize, China Machinery Industry Science and Technology Award. 2019*
- *Third Prize, Technical Standard Innovation Contribution Award, State Grid Corporation of China. 2020*
- *Second Prize, China Machinery Industry Science and Technology Award. 2021*

SELECTED PUBLICATIONS

- **Author:** *Power Quality Analysis Methods*, China Electric Power Press, October 2011, ISBN 978-7-5123-2164-9.
- **Editor-in-Chief:** *Application Manual of National Power Quality Standards*, China Standards Press, 2007, ISBN 978-7-5066-4571-3.
- **Co-editor:** *Application Manual of National Standards for Reactive Power Compensation Devices*, China Standards Press, 2008, ISBN 978-7-5066-5041-0.
- **Co-editor:** *Application Guide for National Power Quality Standards*, China Standards Press, 2009, ISBN 978-7-5066-5408-1.
- **Co-editor:** *Application Guide for Power Quality Standards*, China Standards Press, October 2018, ISBN 9787506687201.

Additionally, authored and co-authored dozens of research papers and led or participated in the development of numerous international, national, and industry standards related to power quality.