

# Junjie Yin

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## Education

### Southeast University (SEU)

MS in Electrical Engineering

Nanjing

Sep. 2020 - Jun. 2023

### North China Electrical Power University (NCEPU)

BS in Smart Grid Information Engineering

Beijing

Sep. 2016 - Jun. 2020

## Technical Skills

### Programming

Matlab, C, Python

### Professional Softwares

Simulink, PLECS, Mathcad, PSCAD, RT-Box, Multisim, CVX, IBM Cplex, Yalmip

### Drawing & Typesetting

Photoshop, Illustrator, SketchUp, Office, L<sup>A</sup>T<sub>E</sub>X, Beamer

### Languages

English, Mandarin (Native)

## Publications

- [1] J. Yin, J. Wang\*, J. You, et al. "Integrated Energy System Optimal Operation in Coal District with Hydrogen Heavy Trucks," *Frontiers in Energy Research*, 9:748673, 2021. [\[Link\]](#)
- [2] J. Yin, Y. Chen\*, G. Sang, et al. "QoE-Oriented Rate Control and Resource Allocation for Cognitive M2M Communication in Spectrum-Sharing OFDM Networks," *IEEE Access*, 7:43318-43330, 2019. [\[Link\]](#)

## Research Projects

### Research on Active and Rapid Support Technology of Transient Frequency and Voltage for Photovoltaic/Wind Farm Stations

Beijing

National Key Research and Development Program of China (No. 2021YFB2400500)

Dec. 2021 - Nov. 2025

### Research on Distribution Network Planning and Power Supply Restoration Technology Facing the Reliability Needs of End Users

Tianjin

State Grid Corporation Headquarters Technology Project (No. 5400-202012118A-0-0-00)

Jan. 2020 - Dec. 2021

### Research on Friendly Grid-Supporting and Online Evaluation Technology of New Energy for Bilateral Service between Factory and Grid

Yangzhou

Jiangsu Power Grid Corporation Scientific Research Project (No. J2021012)

Jun. 2021 - Dec. 2022

### Research on Interaction and Coupling Characteristics of Multi-energy Flow in Integrated Energy System

Changzhou

Jiangsu Power Grid Corporation Scientific Research Project (No. J2019082)

Sep. 2019 - Dec. 2020

## Awards and Honors

|                |  |          |
|----------------|--|----------|
| Oct. 2020-2021 | <b>Scholarship:</b> "Graduate Scholarship of SEU" (2 Times), "Graduate Scholarship of NR Electric Co., Ltd"  | Nanjing  |
| Nov. 2020      | <b>Contest:</b> Second Prize of China in "National Post-Graduate Mathematical Contest in Modeling"           | Shanghai |
| Jun. 2020      | <b>Honorary Title:</b> "Excellent Graduate of Beijing"   | Beijing  |
| Nov. 2019      | <b>Contest:</b> First Prize of Beijing in "Contemporary Undergraduate Mathematical Contest in Modeling"      | Beijing  |
| Oct. 2017-2019 | <b>Scholarship:</b> "Undergraduate Scholarship" (3 Times), "Scholarship of Beijing Banner Electric Co., Ltd" | Beijing  |
| Sep. 2017-2019 | <b>Honorary Title:</b> "Outstanding Student Leaders" (2 Times), "Distinction Student"                        | Beijing  |

## Volunteer Services

### IEEE ACCESS, IEEE Transactions on Industry Applications

Peer Reviewer

ScholarOne Website

Oct. 2020 - Present

### Huizhou Electric Power Co., Ltd, China Southern Power Grid

Intern

Huizhou

Jul. 2019 - Aug. 2019

### School of Electrical and Electronic Engineering, North China Electric Power University

Student Leader

Beijing

Feb. 2016 - Jun. 2020