

## Brief Profile of Professor CHUNG, Shu Hung Henry

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### *Current Appointment*

- Dean of Students, CityU
- Chair Professor, *Department of Electrical Engineering, CityU* (<http://www.ee.cityu.edu.hk/~shc>)
- Director, *Centre for Smart Energy Conversion and Utilization Research, CityU*
- Founder of
  - *Jacky Instruments Limited*
  - *Genie6 Technology Limited*

### *Area of expertise*

- Smart grid technologies
- Renewable energy conversion technologies
- Application of computational intelligence in power electronics
- High-voltage power conversion technologies
- Energy saving and environmentally-friendly solutions
- Lighting technologies

### *Professional qualifications and services*

- Fellow of HKIE and IEEE
- Editor-in-chief, *IEEE Power Electronics Letters* [2014-2018]
- Board Member, *IEEE Internet of Things (IoT) Activity Board*
- Board Member, *Accreditation Board, The Hong Kong Institute of Engineers*
- Associate Editor
  - *IEEE Transactions on Power Electronics, Regular Papers*
  - *IEEE Journal of Emerging and Selected Topics on Power Electronics*

### *Research contributions*

- Holds 80 patents
- Author of over 471 research articles (229 journal papers and 246 conference papers) in power electronics, 1 IET research book, and 8 research book chapters

### *Awards [Recent 5 years]*

- 2021 IEEE PELS (Power Electronics Society) R. David Middlebrook Achievement Award (For Energy Utilization Technologies for Smart Cities)
- Outstanding Research Award, CityU, 2020
- Natural Science Prize of Shanghai (Second Class) by the Shanghai Municipal People's Government for the project "Research into Advanced Inverter Topologies for Renewable Energy Generation and Energy Storage Integration into AC Grid", Jan 2019.
- Best paper, High-Performance and Emerging Technology award, ECCE 2017 Conference, IEEE Power Electronics Society, 2018
- Teaching Excellence Award, CityU, 2018
- The President's Award, CityU, 2016
- Best paper, High-Performance and Emerging Technology award, ECCE 2015 Conference, IEEE Power Electronics Society, 2016