


CV – CHI Yongning

Basic Information			
Gender	Male	Birthday	Aug. 1977
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Job title	Professor-level senior engineer	Education	PhD.
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Dr. Chi Yongning is the chief engineer of renewable energy research center of CEPRI (China Electric Power Research Institute), and serves as the secretary of IEC TC 8/SC 8A “Grid Integration of Renewable Energy Generation” since year 2014. He is the expert member of IEA GIVAR Advisory Group, and also a member of CIGRE and IEEE. His research interests includes modeling, control and integration analysis of renewable energy generation. He was responsible for formulating the Chinese connection code for wind power and PV, and led several national level research projects with regard to renewable energy grid integration, offshore wind integration and system analysis. He was honored with the UVIG Achievement Award in 2016, the ESIG Excellence Award in 2019 respectively.

<Renewable Power Plants Interaction with Power Grid and Grid Code Practices>

This PPT focuses on the interaction between large-scale renewable energy and the power system, and the development of grid integration standards. With the growth of renewable energy installed capacity, the penetration rate of renewable energy in the system continues to increase, which has a huge impact on frequency regulation, voltage regulation, power control, and fault protection. On the one hand, renewable energy needs to take more responsibility for supporting and controlling as a power source, and on the other hand, it also puts forward requirements for the compilation of grid-connected standards.