

# 2015

## CHINA WIND POWER 2015

October 14-16, Beijing, China

China International Exhibition Center (New Venue)

### Climate Change and Wind Energy: Energy Transition for A Sustainable Future



## CWP 2015 Conference Program

14 <sup>th</sup> October, Wednesday (Day 1)			
09:00-10:30	Conference Opening (W201)		
10:30-12:30	<b>Plenary (W201)</b> Climate Change and Wind Energy: Energy Transition for A Sustainable Future		
12:30-13:30	<b>Lunch</b>		
	<b>W201</b>	<b>W105</b>	<b>W102</b>
13:30-15:00	<b>Policy Session</b> Energy Internet and Electricity Market Reform (I)	<b>Technology Session</b> Global Wind Technology Development and Trend	<b>Technology Session</b> Offshore Substation and Cable
15:00-15:30	<b>Coffee Break</b>		
15:30-17:30	<b>Policy Session</b> Energy Internet and Electricity Market Reform (II)	<b>Technology Session</b> Advanced Global Wind Technology: Case Study	<b>Technology Session</b> China's Offshore Industry: Installation Technologies
15 <sup>th</sup> October, Thursday (Day 2)			
	<b>W201</b>	<b>W105</b>	<b>W102</b>
09:00-10:30	<b>Entrepreneur Forum</b> Manufacturer's Forum (I)	<b>Technology Session</b> Low Wind Site Development (I)	<b>Technology Session</b> Wind Farm O & M (I)
10:30-11:00	<b>Coffee Break</b>		
11:00-12:30	<b>Entrepreneur Forum</b> Manufacturer's Forum (II)	<b>Technology Session</b> Low Wind Site Development (II)	<b>Technology Session</b> Wind Farm O&M (II)
12:30-13:30	<b>Lunch</b>		
	<b>W201</b>	<b>W105</b>	<b>W102</b>
13:30-15:00	<b>Entrepreneur Forum</b> Offshore Development Forum	<b>Technology Session</b> Wind Turbine Design and Optimization	<b>Technology Session</b> Wind Turbine Testing and Quality Control (I)
15:00-15:30	<b>Coffee Break</b>		
15:30-17:30	<b>Policy Forum</b> Doing Business in Global Markets	<b>Policy Forum</b> Wind Farm O&M Business Model	<b>Technology Session</b> Wind Turbine Testing and Quality Control (II)
16 <sup>th</sup> October, Friday (Day 3)			
09:00-12:00	<b>W105</b> Roundtable Discussion: China's 13 <sup>th</sup> Five Year Plan		
12:00-13:30	<b>Lunch</b>		

# Agenda

Day 1

Wednesday, 14th October 2015

09:00 - 10:30 Conference Opening (W201)

Moderator: **Qin Haiyan**, Chinese Wind Energy Association, Secretary General

1. Welcome Address: **Li Junfeng**, Chinese Renewable Energy Industry Association, President
2. Welcome Address: **Yao Xingjia**, Chinese Wind Energy Association, President
3. Opening Address: Leaders from Chinese and Foreign Related Government Departments
4. Welcome Address: **Kluas Rave**, Global Wind Energy Council (GWEC), Chairman

10:30 - 12:30 Conference Plenary (W201)

Climate Change and Wind Energy: Energy Transition for A Sustainable Future

Moderator: **Yao Xingjia**, Chinese Wind Energy Association, President

1. Guiding Principle of China's 13<sup>th</sup> Five Year Plan of Wind Energy and Industry Development Plan, Representative from National Energy Administration (NEA)
2. Guiding Principle of China's 13<sup>th</sup> Five Year Plan of Wind Technology Development, Representative from Ministry of Science and Technology (MOST)
3. China's Energy Development Strategy and Renewable Energy's Strategic Position, **Wang Zhongying**, China National Renewable Energy Centre, Director
4. Global Wind Energy Development Update and Wind's Contribution to the Mitigation of Climate Change, **Steve Sawyer**, Global Wind Energy Council, Secretary General
5. Integrating Large Shares of Renewables into Power Systems, **Paolo Frankl**, IEA, Head of Renewable Energy Division
6. The Energiewend in Germany and The New Amendment of EEG 2014, **Nicolas Oetzel**, Federal Ministry for Economic Affairs and Energy, General issues of the energy transition and optimization, Division Head

12:30 - 13:30 Lunch

13:30 - 15:00 Policy Session(W201)

Energy Internet and Electricity Market (I)

Moderator: **Qin Haiyan**, Chinese Wind Energy Association, Secretary General

**Keynote:**

1. Energy Internet: A Revolution of Energy Value Chain, **Cao Yin**, Cinda Security, Principle Analyst
2. Making the Industrial Internet Real: Solutions for the Energy Industry, **Kang Pengju**, GE Renewable Energy, GM, Engineering
3. The Future of Energy, **Zhang Lei**, Envision, President
4. Prospect of The Opening Up of the Wholesale Electricity Market and the Market Opportunities, **Liu Dunnan**, North China Electric Power University, Association Professor
5. Energy Internet and Renewable Energy Development, Goldwind

6. Way Forward, Future Vision and Challenges, **Sebastian Meyer**, Azure International, Research & Advisory, Director

**15:00 - 15:30 Coffee Break**

**15:30 - 17:30 Policy Session(W201)**

**Energy Internet and Electricity Market (II)**

**Moderator: Qin Haiyan, Chinese Wind Energy Association, Secretary General**

**Panelist:**

Cao Yin, Kang Pengju, Zhang Lei, Liu Dunnan, Sebastian Meyer, Goldwind

**13:30 - 15:00 Technology Session(W105)**

**Global Wind Technology Development and Trend**

**Moderator: Yao Xingjia, Chinese Wind Energy Association, President**

**Aris Karcanias , FTI Consulting, Managing Director**

**Keynote :**

1. Wind Technology Development Trends, **Philip Totaro**, Totaro and Associate, CEO and Founder
2. The Global Cost of Wind Energy In 2025, **Zhou Yiyi**, BNEF, Senior Analyst

**Panelist :**

1. Zhang Feng, Envision, R&D Director
2. Daniel Belton, Vestas Asia-Pacific & China, Senior Manager, Technical Sales Support
3. Philip Totaro, Totaro and Associate, CEO and Founder
4. Zhou Yiyi, BNEF, Senior Analyst
5. Pan Weiping, Goldwind, Director of R&D Center
6. Juan Diego Díaz Vega, Gamesa, Marketing Director

**15:00 - 15:30 Coffee Break**

**15:30 - 17:30 Technology Session(W105)**

**Advanced Global Wind Technology: Case Study**

**Moderator: Liu QI, Shanghai Electric Wind Energy Group, Vice President**

1. The Key value of wind power forecast, **Yang Zhenbin**, CMA Wind and Solar Energy Resources Center, Deputy Director
2. GE Wind Technology Advancement, **Li Guangxi**, GE (China) Research and Development Center Co., Ltd. Engineering Director
3. Intelligent Control Technology of Wind Turbine, **Si Jianlong**, Zhejiang Windey Co., Ltd, Vice President
4. Functional Safety Certification of Wind Turbines, **Hou Hongqiang**, China General Certification Center, Senior Engineer
5. The Present Situation and Developing Trend of Wind Turbine Concrete Tower in China, **Cong Ou**,

Goldwind, Science&Technology Co.,Ltd, Manager of Advanced Wind Turbine Tower Program

6. Vestas's Grid Friendly Wind Power Plant with Advanced Grid Operations -Developed from World Leading Technologies of Simulation Modeling and Grid Connection Studies, **Zhou Yi**, Vestas Asia Pacific and China, Technical Manager

**13:30 - 15:00 Technology Session(W102)  
Offshore Substation and Cable  
Moderator: CGN Wind Energy Limited**

1. ABB OWC (Offshore Wind Connections) Business - Offshore Wind Substation , **Wilson Yuan**, ABB (China) Limited, Senior Sales Manager
2. Criteria for Design and Verification of Offshore Substations for Wind Farms, **Xi Wang**, DNV GL, Senior Engineer
3. Cable Laying Technology Between Array, **Wang Shilin**, CT offshore
4. Cable Installation & Cable Protection, Mr.**Ton Tuk** (from CP/NL ) and **Mr.Jan van de Velde** (from Move Renewable )
5. Seven Reasons to Make the Switch to Vibrating Pile Foundations, Mr.**Arjen van der Schoot** , ICE vibro

**15:00 - 15:30 Coffee Break**

**15:30 - 17:30 Technology Session(W102)  
China's Offshore Industry: Installation Technologies  
Moderator: Lu Yichuan, China Longyuan Power Group Corporation Limited, Vice Chief Engineer**

1. Engineering of the Offshore Wind Turbine, **Li Ze**, Jiangsu Longyuan Zhenhua Marine Engineering Co.,Ltd, General Manager
2. A Fast Boat to Asian-WTIV Pool, **Torben Ørting Jørgensen**, Maersk
3. The Practice of The Third Generation WTIV in APAC, **Zhan Liang**, ZPMC Profundo Wind Energy Hong Kong Ltd., General Manager
4. The European Offshore Wind Installation Vessel, **Wang Shilin**, A2SEA A/S

**Day 2**

**Thursday, 15<sup>th</sup> October 2015**

**09:00 - 10:30 Entrepreneur Forum(W201)  
Manufacturer's Forum (I)**

**Moderator : Li Junfeng, Chinese Renewable Energy Industry Association, President**

**Keynote:** The Status of China's Wind Power Manufacturing Industry, Yang Xiaosheng, Chinese Wind Energy Equipment Association, President

**Panelist :**

1. Chu Jingchun, Guodian United Power Technology company Limited, General Manager
2. Jin Xiaolong, Shanghai Electric Windpower Group, President
3. Yu Shaoqing, CSIC (Chongqing) Haizhuang windpower Equipment Co.,Ltd., Vice President
4. Xu Dongfu, Sinovel Wind Group Co., Ltd., President
5. Long Xin, XEMC, Vice General Manager
6. Christian Venderby, Vice President, Vestas
7. Gou Jianhui, NGC Gears, Managing Director & President
8. Randall Hoeflein, LM Wind Power, President of Asia Pacific
9. Tu Yunwu, Sungrow power supply co., ltd., Vice President

**10:30 - 11:00 Coffee Break**

**11:00 - 12:30 Entrepreneur Forum(W201)  
Manufacturer's Forum (II)**

**Moderator: Qin Haiyan, Chinese Wind Energy Association, Secretary General**

**Panelist :**

1. Cao Zhigang, Xinjiang Goldwind Science & Technology Co., Ltd, Executive Vice President
2. Zhu Ronghua, China Ming Yang Wind Power Group Co.,Ltd., Vice President
3. Zhang Lei, Envision Energy, President
4. Chen Jun, Dongfang Electric Wind Power Co., Ltd., General Manager
5. Yang Zhenyu, Zhejiang Windey Co. Ltd., President
6. Li Feng, GE China Co. Ltd, Renewables China, General Manager
7. Alvaro Bilbao Moran, Gamesa (China), CEO
8. Chen Chun, Sinomatech Wind Power Co., Ltd., Deputy General Manager
9. Alfredo Parres, ABB, Group Senior Vice President, Head of Global Wind Sector Initiative

**09:00 - 10:30 Technology Session(W105)**

**Low Wind Site Development (I)**

**Moderator: Dong Delan, Power China Northwest Engineering Corporation Limited**

1. Integrity Achievement of Wind Measurement Data by Using Mesoscale Meteorological Reanalysis Data, **Peng Tao**, Huaneng Clean Energy Research Institute, Technical Advisor
2. The Design of Low Wind Speed Wind Farm, **Dong Delan**, Power China Northwest Engineering Corporation Limited, Deputy Chief Engineer
3. The Design Misconduct of Low Wind Wpeed WTGs, **Meng Qingshun**, Goldwind, Product Department Manager
4. How to Ensure The Investment Profit of Low Speed Wind Farm? ---the wind farm design based on the life-cycle integrated product development, **Wang Xiaoyu**, Envision Energy, Vice President

5. Application of 30m Land Surface Cover Product in Refined Wind Energy Resource Assessment, **Zhang Shuangyi**, Institute of Atmospheric Physics, Chinese Academy of Sciences , Ph.D candidate

**10:30 - 11:00 Coffee Break**

**11:00 - 12:30 Technology Session(W105)**

**Low Wind Site Development (II)**

**Moderator: Hu Liwei, China Water Resources Pearl River Planning Surveying & Designing Co.,Ltd , Dean of new energy**

1. Low Wind Speed Area Simulation and Distribution Characteristics in China, **Song Lili**, CMA Wind and Solar Energy Resources Center , Chief Professor
2. Wind Power Developing Technology in Low-Wind-Speed Region, **Guo Chen**, Huaneng Renewables Corporation, Ltd. Deputy Manager
3. Micrositing Technique for Wind Farm under Complex Conditions, **Hu Liwei**, China Water Resources Pearl River Planning Surveying & Designing Co.,Ltd, Dean of new energy
4. Low Wind Site Development Technology in Vestas , **Alex Shang**, Vestas Asia Pacific and China, Wind and Site Engineer
5. Consideration On the Development of Low Wind Speed and Complex Terrain Site , **Peng Ming** , Guangdong Province Wind Power Generation Co., Ltd. Specific Responsibility

**09:00 - 10:30 Technology Session(W102)**

**Wind Farm O &M (I)**

**Moderator: Yue Junhong, Longyuan(Beijing)Wind Power Engineering Co, Ltd., Chief Engineer**

1. How to Increase AEP--Application of Blade Add-on, **Zhao Nan**, LM Wind Power AS, Engineering Director, Asian Pacific
2. Utilizes The Power of the Internet to Improve Wind-farm Operational Excellence, **Zhu Guodong**, Sinovel Wind Group Co. Ltd., Operational Engineering Department General Manager
3. Technologies and Experience for Operating and Maintaining a Wind Power Farm , **Ning Qiaozhen**, Beijing Tianyuan New Energy Technology Co., Ltd, Chief Technical Engineer
4. Extending gearbox life: An Introduction to Computational Prognostics As A Way to Determine Gearbox Remaining Useful Life and Your Options to Extend life, **Edward Wagner**, Sentient Science, Chief Digital Officer
5. Gamesa Perspective on O&M and Solutions For Customers , **Joris Mazille**, Gamesa Service & Project Director (APAC)

**10:30 - 11:00 Coffee Break**

**11:00 -12:30 Technology Session(W102)**

**Wind Farm O &M (II)**

**Moderator: Wu Jincheng, Zhejiang Longyuan co., Ltd., General Manager**

1. Wind Power Development and Risk Prevention, **Wu Jincheng**, Zhejiang longyuan co. Ltd., General Manager
2. How to Improve Energy-based Availability For Wind Assets? GREENWICH CLOUD Driving Transparency and Digitization of Wind Assets Management, **Li Heng**, Solution and Software Wind Product Management Director, Envision
3. Discussion about Operation & Maintenance of Electrical Controller Parts in WTGS, **Liu Bo**, REnergy Electric Tianjin Ltd., Product Manager
4. Specialized Service of Severe Weather Forecasting and Warning at Offshore Wind Farms, **Miao Chunsheng**, Nanjing Xinda Meteorological Science and Technology Co. Ltd., General Manager
5. Application Practice and Problem Analysis About Power Forecasting Service Inspection, **Lou Yonggang**, East Environment Energy Technology Co.,Ltd., Product director
6. Wind Farm Control And Grid Ancillary Services, **Barbara Savini**, DNV GL, Head of Control, Turbine Engineering

**12:30-13:30 Lunch**

**13:30 -15:00 Entrepreneur Forum(W201)**

**Offshore Development Forum**

**Moderator : Wang Zhongying, China National Renewable Energy Centre, Director**

**Yang Xiaosheng, Chinese Wind Energy Equipment Association, President**

**Panelist :**

1. Lu Yichuan, China Longyuan Power Group Co. Ltd., Vice Chief Engineer;
2. Zhang Jianzhong, CGN Wind Energy Limited, Vice General Manager
3. Zhao Xiangqian, Datang Corporation Renewable Power Co., Ltd, Central East Subsidiary Company, General Manager
4. Zhao Shengxiao, PowerChina Huadong Engineering Corporation, Vice Dean of new energy
5. Li Ze, Jiangsu Longyuan Zhenhua Marine Engineering Co.,Ltd., General Manager
6. Mike Hay, UK Trade & Investment, Sector Specialist, Offshore Wind Team
7. Søren Juel Petersen, Rambøll, Director Business Development Offshore Wind
8. Teun Verschoor, IHC IQIP, General Manager-China, Foundation Construction Experts

**Press Release of the First Chinese Offshore Wind Insurance Product.**

**15:00 - 15:30 Coffee Break**

**15:30 -17:30 Policy Forum (W201)**

**Doing Business in Global Markets**

**Moderator: Steve Sawyer, Global Wind Energy Council, Secretary General**

1. Investment in Danish Offshore, **Peder Bo Sorensen**, Investment in Denmark, Ministry of Foreign Affairs of Denmark , Senior Advisor Wind Power, Project Manager
2. Investment Opportunity in “Belt and Maritime Route” Region , **Zhao Feng**, FTI Consulting, Director / Head of Wind Energy
3. The Internationalization of Chinese Company-Case Study of Sany, **Wang Lihe** , International Sales Director, Sany
4. Fowind: Investment Opportunity in Indian Offshore, **Alok Kumar** , Country Manger-India, DNV GL Advisory
5. East Africa: framework and opportunities, **Shane Sun**, MAKE Consulting, Head of APAC

**13:30 - 15:00 Technology Session(W105)  
Wind Turbine Design and Optimization**

**Moderator: Du Guangping, China General Certification Center, Chief Engineer**

1. How Denmark Achieved Strong Wind Performance and the Quality Wind Initiative, **Jacob Høgh**, Danish Energy Agency
2. Wind Turbine Optimization, **Antonio Martinez**, Vestas Asia Pacific and China, Senior Manager of BoP Engineering
3. Dynamic Testing Technology Research of Wind Tubine , **Yang Jiongming** , Goldwind Science & Technology Co.Ltd., Vice-Chief Engineer
4. Independent Variable Pitch Control of Wind Turbine, **Chen Jun**, China General Certification Center, Senior Engineer
5. Wind Turbine Dynamic Model Identification Based On Measurement Data And Software Development, **Zou Libing**, Guangdong Ming Yang Wind Power Industry Group Co.,Ltd , Vice Director of Loads and Stress Department

**15:00 - 15:30 Coffee Break**

**15:30 - 17:30 Policy Forum(W105)  
Wind Farm O&M Business Model**

**Moderator: Shi Pengfei, Chinese Wind Energy Association, Honorary President**

**Keynote :** Quantifying Performance And Yield Differentials in China’s Wind Fleet, **Sebastian Meyer**, Research & Advisory, Director

**Panelist :**

1. Zhang Wenzhong, Huadian Fuxin Energy Corporation Ltd. , Deputy Chief Engineer
2. Zhou Weihua, Guohua Energy Investment Co., Ltd., Vice General Manager of Production Management Dept.
3. Wang Kexun, Hebei suntien new energy technology co.,ltd. Vice General Manager
4. Zhou Yunzhi, Beijing Tianyuan New Energy Technology Co., Ltd, General Manager, Vice President of Goldwind.
5. Michael Liu, General Electric Co. Ltd



6. Zhu Guodong, Sinovel Wind Group Co. Ltd., Operational Engineering Department General Manager
7. Simon Zeng, Vestas China, Service Director
8. Li Jingjia, Eulikind Co., Ltd. , Chairman of the Board

**13:30 - 15:00 Technology Session(W102)**

**Wind Turbine Testing and Quality Control (I)**

**Moderator: Yang Hongyuan, China General Certification Center, Vice GM of Wind Dept.**

1. The Key Technology of Sungrow Converter for Medium-Voltage Power System, **Wang Lingxiang**, Sungrow Power Supply Co.,Ltd. , Technical Director
2. Control Effect of Design on Product Quality, **Cui Xinwei**, Beijing Tri-Power New Energy Science & Technology Co., Ltd. General Manager
3. Technical Requirements and Inspection and Certification of Raw Materials for Wind Turbine Blades, **Xing Hairui**, China General Certification Center, Blade Certified Engineer
4. Lubrication of Main Bearings in Wind Turbines, **Thomas Jörgensen**, Klüber Lubrication München SE & Co. KG, Sales Development Manager
5. Production and Test of High-quality Control Systems in China, **Allan Havmøller Sørensen**, Mita-Teknik, Ningbo, General Manager

**15:00 - 15:30 Coffee Break**

**15:30 - 17:30 Technology Session(W102)**

**Wind Turbine Testing and Quality Control (II)**

**Moderator: Tian De, North China Electric Power University, Professor**

1. Rotor Blade Testing – Current and Future Trends, **Arnoldus van Wingerde**, Fraunhofer Institute for Wind Energy and Energy System Technology IWES Northwest, Business Leader Research
2. Modeling Simulation and Actual Operating Performance Test of Wind Turbine Research, **Tian De**, North China Electric Power University, Professor
3. Fast Automated Ultrasonic Inspection of Wind Turbine Blades, **Leif Jeppesen**, FORCE Technology, Vice President
4. Vibration Based Wind Turbine Drivetrain Condition Monitoring and Fault Diagnosis technique, **Ren Jinsheng**, Mingyang Wind Power Industry Group Co.,Ltd. , Wind Turbine Condition Monitoring and Fault Diagnosis Engineer
5. Diagnosis and Structural Optimization of drive-train System of Wind Turbine, **Lv Xingmei**, CRRC Zhuzhou Institute Co.,Ltd., Wind Power Business Unit, Chief Designer

**Day 3**

**Friday, 16th. October 2015**

**09:00 - 12:00 Roundtable Discussion: China's 13th Five Year Plan**

**Moderator: He Dexin, Chinese Wind Energy Association, Honorary President**

**Ren Dongming, Center for Renewable Energy Development of the ERI (NDRC) , Director**

**Keynote:**

1. Issues Related to the Drafting of the 13th Five Year Plan of Renewable Energy Development, **Ren Dongming**, Center for Renewable Energy Development of the ERI (NDRC), Director
2. Research on National 13th-Five-year Wind Power Plan and Consumption, **Guo Yanheng**, CREEI, Deputy director
3. Planning of the Zhang Jiakou Renewable Energy Demonstration District, **Shen Quanmin**, Zhang Jiakou DRC, Director
4. From China to the World--Introduction of IECRE, **Huang Yutong**, China General Certification Center, Head of International cooperation working group

**Roundtable Discussion: China's 13th Five Year Plan**