



# **PROPOSAL FOR CIGRE SC B5 MEETING & COLLOQUIUM 2015 IN CHINA**

**CHINESE NATIONAL COMMITTEE OF CIGRE**

# APPLICATION FORM



CHINESE NATIONAL COMMITTEE OF CIGRE

23 August 2013

Dear Dr. Iony Patriota de Siqueira, Chairman of SC B5,  
Dear Mrs. Rannveig S. J. Løken, Secretary of SC B5:

Re: Applying for Hosting 2015 SC B5 Annual Meeting and Colloquium in Nanjing  
China,

On behalf of the Chinese National Committee of CIGRE (CNC), I now sincerely apply to host 2015 CIGRE Study Committee B5 annual Meeting and Colloquium in Nanjing, 2015.

As you may have witnessed, China's power industry has been developing very fast in the last decades, together with the economy. The achievements of new technology of power protection and automation in China are especially noticed by our electrical engineering communities. Besides the high voltage transmission systems including 1000kV UHVAC and  $\pm 800$ kV UHVDC, there are also increasing demands on the protection and control of distribution grids. We need to learn from international counterparts and share with them our experience and challenges. To have CIGRE SC B5 meeting in China, more local professionals, especially those young engineers, can be benefited. Considering China's great number of electrical engineers, to hold the CIGRE events in China would also help in promoting CIGRE organization. Meanwhile, I believe our participants may find potential business opportunities in the future.

I also cordially invite you and our SC B5 colleagues to discover the beauty and mystery of Nanjing, a unique ancient oriental city. Nanjing is one of the historical and cultural cities rectified by the state. With a history of about 6000 years and the



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Capital of Ten Dynasties, being since the year 229 AD, it has become a famous tourist attraction.

China has successively hold CIGRE Ad Co meeting in Nanjing in 2007, CIGRE Steering Committee meeting in Lijiang in 2013, CIGRE C1&C2&C5 Symposium in 2009, CIGRE A1 Colloquium and B1 Colloquium in 2011. We have experiences in organizing the CIGRE events and we have the confidence to make SC B5 annual Meeting and Colloquium another successful CIGRE event in China.

I appreciate greatly for your consideration in above proposals. CNC will do the best once the proposal is approved by the committee.

Yours sincerely,

Dr Ruomei LI  
Vice Chairman, Chinese National Committee – CIGRE

# CNCC ACTIVITIES IN CIGRE



- Chinese National Committee of CIGRE (CNCC)
  - Established in 1980
- Membership in CIGRE from 1998
  - 26 members in B5
- Involvements in CIGRE
  - Contributions to 7 completed Working Groups
  - Participations in 21 ongoing Working Groups
  - Conveners of 2 Working Groups
  - Paper Organization to CIGRE conference
  - Protection & Automation Expo in CIGRE 2008, 2010, 2012
- Host of AORC-CIGRE 2013 in Guangzhou, CN

# CNCC ACTIVITIES IN CIGRE



## Why to apply?

- **Let more CIGRE members be aware of practical technology and implementation in China on PACS**
- **Enhance academic atmosphere in CSEE linked to CIGRE on PACS**
  - Chinese Society for Electrical Engineering (CSEE)
  - Member of CIGRE and CIRED; Non-profitable Academic Organization; Established in 1934; 100,000+ members
- **Stimulate more contributions to CIGRE B5 from Utilities, Manufacturers and Universities in CN**

# POWER INDUSTRY IN CHINA



- **Transmission**

- Power Transmission Network ranked **1st** in the world
- Up to HVAC (**1000kV**) and HVDC (**±800kV**)

- **Generation**

- Power Generation Capacity ranked **2nd** in the world
- Installed Generation Capacity **1,144GW** up to 2012
- Renewable Energy
  - Wind power generation: 63GW up to 2012
  - Solar power generation: 7GW up to 2012
  - Hydro power generation: 249GW up to 2012

# THE WAY TO SMART GRID



- **Digital Substation**

- **700+** substations (110kV to 750kV) are adopting IEC 61850 station bus and/or process bus (IEC 61850-9-2 SV, IEC 61850-8-1 GOOSE/MMS)
- More and more digital substations are under construction



**Outdoor MU**



**Outdoor Intelligent CB Controller**

# WHAT WE PLAN TO



- **Share experiences and lessons from China to international delegates**
- **Put international standards into more practices**
- **Display job-done examples of new technologies in China**
- **Let more professionals in China learn from international delegates**

# HOST CITY – NANJING



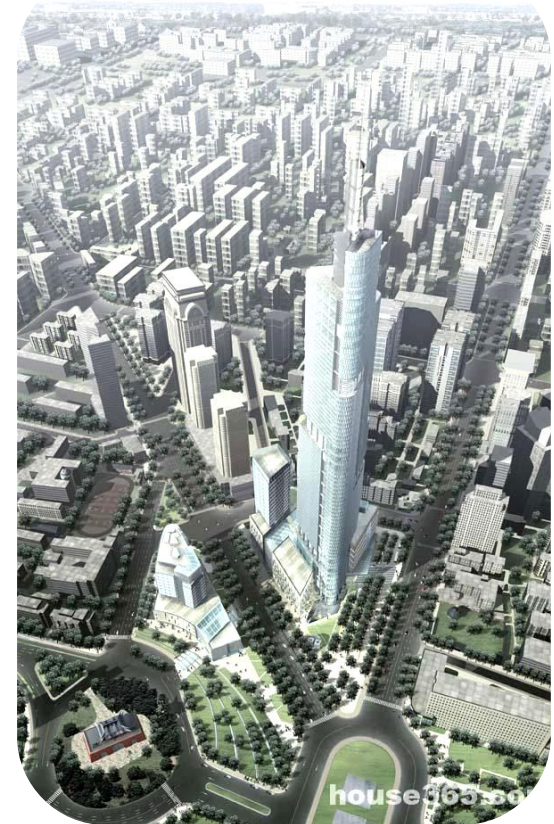
- Historic & Modern City
  - 2500+ years history
  - 2007 CIGRE Administrative Council Meeting
  - Host City of 2013 Asian Youth Games
  - Host City of 2014 Youth Olympic Games



**Dr. Sun Yat-sen's Mausoleum**



**Xuanwu Lake  
(Imperial Lake, 600 years ago)**



**Nanjing City**



# HOST CITY – NANJING



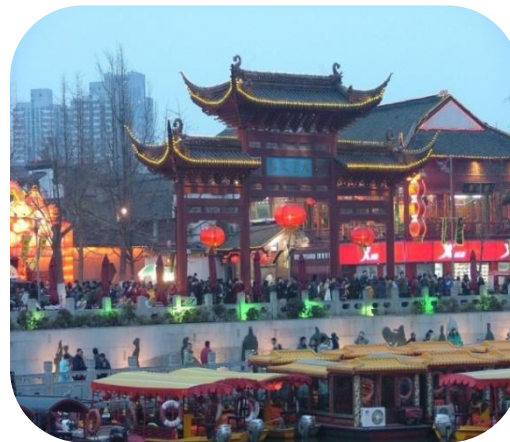
Olympic Stadium



World Ranked 7<sup>th</sup>  
Highest Building



Old Presidential Palace



Confucius Temple



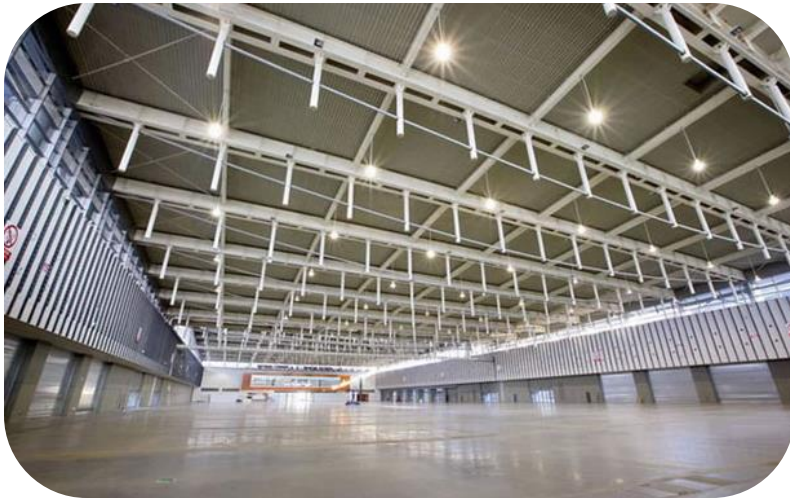
Old Buildings

# PACS CENTER - NANJING



- Location of Jiangsu Provincial Power Company, which is the second largest power T&D in China
- Protection & Automation Research and Manufacturing Center of China
- One of Top Three Education Centers of China
  - Over 30 Universities located in Nanjing

# PROPOSED VENUE: INTERNATIONAL CONFERENCE CENTER



# PROPOSED PROGRAM



2015	21 Sept Mon	22 Sept Tue	23 Sept Wed	24 Sept Thu	25 Sept Fri	26 Sept Sat
AM	WG AG	WG AG	Tutorial	Colloquium PS2	SC meeting	Technical Visit
PM		WG, AG Contribut.	Colloquium PS1	Colloquium PS3		
Night			Dinner	Dinner		
All Day		Registrat.	Exhibition	Exhibition		
			Accompanying Person' s Tours			

# PROPOSED VISIT AND TOUR



- Proposed Technical Visit
  - Digital Substation Project
- Accompanying Person's Tours
  - City Tour
  - Nanjing, Suzhou, Hangzhou, Yangzhou?



**Thanks for Your Attention**

**CHINESE NATIONAL COMMITTEE OF CIGRE**