

## Annex

# China Nuclear Energy Sustainable Development Forum ——2025 Spring International Summit Agenda (draft)

### **Organized by:**

China Nuclear Energy Association (CNEA)

### **Targets:**

Deeply discussing the role of nuclear energy in achieving the goal peak and neutrality; fully exchanging the innovation-driven development of nuclear energy, especially AI technology application; actively promoting the international exchange and cooperation in nuclear energy fields.

### **Language:**

English and Chinese, simultaneous interpretation will be arranged.

### **Audience:**

Governmental officials, senior experts, academician, nuclear groups managers, professionals, reporter, postgraduate, etc. from government bodies concerned, R&D institutes, nuclear power corporations, NPPs, universities, media, etc. It is expected to be about 500 attendees.

### **Location:**

Function Hall B+C, Floor 1, China National Convention Center, Beijing, China

### **Schedule:**

April 27-29: Three full days

April 27: Opening session and main forum

April 28: “Innovation-driven Development” sub-forum

April 29: “Smart Digitalization Transformation” sub-forum

## **Main Forum**

### **April 27 (Sun.)**

Morning moderator: CAO Shudong, Executive Vice Chairman, CNEA

09:00-09:05: Welcome the guests and introduce the agenda

### **Session I Opening Remarks**

09:05-09:25 YANG Changli, Rotating Chairman, CNEA

### **Session II Keynote Speeches**

09:25-09:45 DONG Baotong  
*Vice Minister, Ministry of Ecology and Environment*  
*Director General, National Nuclear Safety Administration*

09:45-10:05 WANG Hongzhi  
*Director General, National Energy Administration*

10:05-10:25 LIU Jing  
*Vice Chairman, China Atomic Energy Authority*

10:25-10:45 Rafael Mariano Grossi  
*Director General, International Atomic Energy Agency*

### **Session III Report Release**

10:45-11:05 Release *the China's Nuclear Energy Development Report (2025)*  
*WANG Yiren, the Report's Chief Expert, former Vice Chairman of CAEA*

### **Session IV Awards Ceremony**

11:05-11:25 The CNEA's Science and Technology Award  
The Frist Prize of National Skills Competition: Nuclear Energy

### **Session V Exhibition Launch Ceremony**

11:25-11:30 Opening speech on the 16<sup>th</sup> China International Exhibition on Nuclear  
Power Industry (CIENPI)  
*CAO Shudong, Executive Vice Chairman, CNEA*

11:30-12:30 Exhibition tour

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

Afternoon moderator: GUO Limin, Secretary General, CNEA

13:30-13:35 Introduce the agenda

### **Session VI Theme Reports**

13:35-13:55 William D. Magwood  
*Director General, OECD Nuclear Energy Agency*

- 13:55-14:15 SHEN Yanfeng, General Manager, CNNC
- 14:15-14:35 GAO Ligang, General Manager, CGN
- 14:35-14:55 LU Hongzao, Deputy General Manager, SPIC
- 14:55-15:15 ZHANG Tao, Deputy General Manager, China Huaneng Group
- 15:15-15:30 *Coffee break***
- 15:30-15:50 Actively develop nuclear power in a safe and orderly manner, accelerate the construction of a new type of power system  
*SHU Yinbiao, academician of Chinese Academy of Engineering, special advisor of CNEA Expert Committee, Chairman of Chinese Society for Electrical Engineering*
- 15:50-16:10 Prospects on nuclear energy development in France  
*Luc Rémont, Chairman & CEO, EDF Group*
- 16:10-16:30 The “Three-Step Strategy” for China’s nuclear energy development  
*LUO Qi, Academician of Chinese Academy of Engineering, Chief Engineer of CNNC*
- 16:30-16:50 Key issues on SMR comprehensive application  
*WANG Binghua, Deputy Director of CNEA Expert Committee, former President of SPIC*
- 16:50-17:10 Climate Change and Zero Carbon Nuclear Energy  
*HUANG Wei, Director, Department of Energy Planning, Information and Knowledge Management of the Nuclear Energy Department, IAEA*
- 17:10-17:30 Current status and prospect of nuclear power in Japan  
*MASUI Hideki, President, JAIF*
- 17:30-17:50 Scientifically understand the nuclear safety laws, promote the risk-oriented nuclear safety regulation  
*TANG Bo, former Deputy Director General, National Nuclear Safety Administration*

**Session VII Conclusion**

- 17:50-18:00 CAO Shudong, Executive Vice Chairman, CNEA

***Adjourn***

## **Sub-forum I: Innovation and Development**

**April 28 (Mon.)**

Morning moderator: ZHANG Tingke, Director, CNEA Expert Committee

09:00-09:05: Introduce the agenda

### **Session I Keynote Speeches**

09:05-09:25 Release *the Report on Scientific Innovation and Development on Nuclear Energy in China (2024)*

*TANG Bo, former Deputy Director General, National Nuclear Safety Administration*

09:25-09:45 Global SMR R&D progress and prospects

*Tbd, IAEA*

09:45-10:05 ITER project progress and prospects

*LUO Delong, Deputy Director General, ITER (video)*

10:05-10:25 Nuclear wastes management and D&D in France

*MARTY Pierre Noel, Vice President, D&D and Service Department, Orano Group*

**10:25-10:40 Coffee break**

### **Session II Theme Reports: Innovation and Prospects on Advanced Nuclear Energy Technology**

10:40-11:00 “Guohe One” status and prospects

*ZHENG Mingguang, Chief Designer of Guohe One, SPIC*

11:00-11:20 Improvement and innovation of HTR technology

*ZHANG Zuoyi, Chief Designer of HTR project, Tsinghua University*

11:20-11:40 Improvement and innovation of HPR1000 technology

*XING ji, Chief Designer of HPR1000, CNNC*

11:40-12:00 Improvement and innovation of HPR1000 technology

*WANG Xin, Chief Designer of HPR1000, CGN*

**12:00-13:30 Lunch**

Afternoon moderator: WANG Ping, Deputy Secretary General, CNEA

13:30-13:50 Innovation and Prospects of SFR technology

*ZHANG Donghui, Chief Engineer, CNNC Xiapu Nuclear Power Co., Ltd.*

13:50-14:10 Russian generation IV nuclear energy system

*Polyakov Andrey, Project Director, Rosatom Energy Projects*

14:10-14:30 R&D and Innovation of TMSR technology

*Tbd, Shanghai Institute of Applied Physics, Chinese Academy of Sciences*

14:30-14:50 Status and prospects on LFR technology in China  
*Tbd, China Nuclear Power Technology Research Institute, Co., Ltd.*

**14:50-15:10 Coffee break**

**Session III Theme Reports: Innovation and Development of Nuclear Energy Chain**

15:10-15:30 Exploration, Production, Demand, and Prospects of Global Uranium Resources  
*Tbd, World Nuclear Association*

15:30-15:50 ATF development and application  
*Sophie Lemaire, Senior Vice President, EMEA/Asia PWR Fuel, Westinghouse*

15:50-16:10 Advanced Fuel and Cycles for Sustainable Nuclear Energy in Russia  
*Ilya Ushmarov, Project Manager, TVEL Rosatom*  
*Mikhail Baryshnikov, Project Director, Rosatom Energy Projects*

16:10-16:30 Innovation and Development of Advanced Nuclear Energy System Equipment Technology  
*Tbd, China Nuclear Power Development Center, National Energy Administration*

16:30-16:50 R&D and application of additive manufacturing technology in nuclear energy  
*Andy Lu, Manager, Additive Manufacturing Programs, Global Advanced Manufacturing Programs Division, American Society of Testing Materials (ASTM) INTERNATIONAL*

16:50-17:10 Progress on dry reprocessing technology for spent fuel  
*LIN Rushan, Deputy Director, Radiochemistry Department, China Institute of Atomic Energy*

17:10-17:30 Progress of heavy ion accelerator facility (HIAF)  
*SUN Zhiyu, Director General, Institute of Modern Physics, Chinese Academy of Sciences*

17:30-17:50 High-end equipment and technology in nuclear technology applications  
*WANG Zhentao, Division Director, Institute of Nuclear and New Energy Technology, Tsinghua University*

**Session IV Conclusion**

17:50-18:00 ZHANG Tingke, Director, CNEA Expert Committee

***Adjourn***

## Sub-forum II: Digital Intelligence Transformation

**April 29 (Tues.)**

Morning moderator: GUO Limin, Secretary General, CNEA

09:00-09:05: Introduce the agenda

### **Session I Keynote Speeches**

09:05-09:35 *WANG Binghua, Director of CNEA Informatization Committee, former President of SPIC*

09:35-10:05 *HUANG Wei, Director, Division of Planning, Information and Knowledge Management, Department of Nuclear Energy, IAEA*

10:05-10:35 *ZHENG Weimin, Academician of Chinese Academy of Engineering, Supercomputing Expert*

**10: 35-10:50 Coffee break**

### **Session II Theme Reports**

10:50-11:10 Consolidate digital infrastructure and comprehensively promote digital transformation and upgrading  
*YIN Weiping, Department of Technology Quality and Digitalization, CNNC*

11:10-11:30 Practice of digital transformation of nuclear energy based on scenario driven and innovation  
*ZHOU Guofeng, Department of Technology and Digitalization, CGN*

11:30-11:50 AI technology application in conventional electricity and its reference to the digital transformation of nuclear power  
*WANG Feng, Director, Department of Technology and Digitalization, SPIC*

11:50-12:10 Promote digital transformation of energy based on industrial Internet  
*ZHENG Huaiguo, Director, Digitalization Department, CHINA HUANENG*

**12:10-13:30 Lunch**

Afternoon moderator: LONG Maoxiong, Deputy Secretary General, CNEA

13:30-13:50 Digital transformation of the operating nuclear power units  
*QIU Shaoyang, General Manager, Nuclear Power Operation Research (Shanghai) Co., Ltd*

13:50-14:10 Deepen institutional and mechanism innovation, promote the digital transformation of Yangjiang nuclear power plant  
*ZHAO Fuming, President, Yangjiang Nuclear Power Co., Ltd.*

- 14:10-14:30 Innovative practice of digital transfer of nuclear power  
*YAN yan, President, Shanghai Nuclear Engineering Research and Design Institute Co., Ltd.*
- 14:30-14:50 Innovative application of digital collaborative design scenarios in nuclear power  
*XU Weiqiang, General Manager, Huaneng Nuclear Energy Technology Institute Co., Ltd.*
- 14:50-15:10 The application of AI in Korea's nuclear power  
*Tbd, KAIF*
- 15:10-15:30 Coffee break**
- 15:30-15:50 Ensure the nuclear fuel supply by advanced intelligent manufacturing  
*ZHANG Jie, President, CNNC Jianzhong Nuclear Fuel Co., Ltd.*
- 15:50-16:10 Intelligent application of nuclear power equipment production and quality improvement  
*LI Huagang, Deputy General Manager, Shanghai Electric Nuclear Power Group Co., Ltd*
- 16:10-16:30 Improve the reliability of steam turbine operation by AI technology  
*Tbd, EPRI*
- 16:30-16:50 Strengthen the innovation capabilities, serve the digital development in nuclear energy  
*SUN Yongbin, President, CGN Digital Technology Co., Ltd*
- 16:50-17:10 R&D and application of additive manufacturing technology in nuclear energy  
*Andy Lu, Manager, Additive Manufacturing Programs, Global Advanced Manufacturing Programs Division, American Society of Testing Materials (ASTM) INTERNATIONAL*
- 16:50-17:10 Application of domestic open source AI large model  
*Tbd, Hangzhou Deepseek Artificial Intelligence Basic Technology Research Co., Ltd*

**Session III Conclusion**

- 17:10-17:20 GUO Limin, Secretary General, CNEA

***Closed***