**Preliminary Program of SATEC Forum on**

**Innovation and Intelligent Manufacturing**

Beijing, China

Friday, May 20, 2016

Hosts:

Chinese Academy of Engineering

State Administration of Foreign Experts Affairs of China

American Society of Mechanical Engineers

Organizers:

Chinese Mechanical Engineering Society

China National Machinery Industry Corporation

Under the new round of technological revolution and industrial revolution, intelligent manufacturing has increasingly become an important direction of the transformation of the production mode, and the interdisciplinary, collaborative, networked platform for innovation is restructuring the innovation system of manufacturing industry. In recent years, China promulgated the "China Manufacturing 2025", the deployment of a comprehensive implementation of manufacturing power strategy, where intelligent manufacturing is positioned as the main direction of China's manufacturing. Formulation of the American Advanced Manufacturing Partnership program, explicitly proposed to build a national manufacturing innovation network, build between industry and academia for effective manufacturing R & D base, and rely on innovation to protect the American manufacturing continues to lead the world.

In this forum, around the theme of "innovation and intelligent manufacturing", delegates will discuss the US and China's manufacturing strategy, impact of manufacturing technology innovation on traditional manufacturing, ecosystem of manufacturing innovation, intelligent manufacturing technologies and business models, innovative ideas and practice, and jointly explore the paths of upgrading and developing capability of independent innovation, resource use efficiency, industrial structure, IT degree, quality and efficiency of manufacturing.

Chinese-English simultaneous interpretation service will be provided on the forum. We cordially invite your participation and contribution.

08:00-08:30 **Registration**

 Building of China National Machinery Industry Corporation

08:10-08:25 Meeting between the Speakers and Honored Guests

08:30-08:55 **Opening Session**：

 Address from the representatives of Organizers

Moderator: Zhang Yanmin, Vice President & General Secretary, CMES

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| **Keynote Speech** |

09:00-09:30 China Manufacturing 2025

 ——Action Program for Strong Manufacturing Industry

 **Liu Baicheng**, Academician of Chinese Academy of Engineering;

 Professor of Tsinghua University

09:30-10:00 Dr. Wiens shall be the ASME keynote speaker for an update on NNMI and introduction of AMNPO, an interagency office focused on advanced manufacturing.

 **Gloria Wiens**, former ASME Swanson Fellow at the NIST Advanced Manufacturing National Program Office (AMNPO);

 Associate Professor, Mechanical Engineering, University of Florida

10:00-10:30 Panel Discussion

Chinese Moderator: **Chen Xuedong**, Academician of CAE, Chief Engineer of China National Machinery Industry Corporation (TBD)

US moderator--TBD

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| **Special Topic I：Advanced and Sustainable Manufacturing Technology** |

10:30-10:55 Promoting Green Manufacturing and Building Better Homes

 **Xu Delong**, Vice President and Academician of Chinese Academy of Engineering

10:55-11:20 Prof. David will make a presentation about the Smart Manufacturing Leadership Coalition and how it interfaces and supports the manufacturing industry through pursuing a comprehensive technology that no one company can undertake.

 **Jim Davis**，UCLA's Vice Provost, Information Technology and Chief Academic Technology Officer

11:20-11:40 Panel Discussion

Chinese Moderator: **Liu Zhifeng**, Vice President, Hefei University of Technology

US moderator--TBD

12:00-13:00 Work Lunch

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| **Special Topic II：Digital Design and Manufacturing** |

13:00-13:25 Smart Cloud Manufacturing——A kind of Paradigm, Approach and Ecosystem of Intelligent Manufacturing In “Internet +”world

 Li Bohu, Academician of Chinese Academy of Engineering,

 Professor of Beijing University of Aeronautics and Astronautics

13:25-13:50 Mr. Tennety will provide an overview of the various GE digital technologies and how they’re being used.

 **Uday Tennety**，Director, Strategic Engagements and Innovation, GE Digital 13:50-14:10 Panel Discussion

Chinese Moderator--TBD

US moderator--TBD

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| **Special Topic III: Additive Manufacturing** |

14:10-14:35 Development Trend of Additive Manufacturing

 **Lu Bingheng**, Academician of Chinese Academy of Engineering,

 Professor of Xi'an Jiaotong University

14:35-15:00 Mr. Shinbara will make a presentation on MTConnect and other standards-based approaches to advancing the state of manufacturing, and continued enablers and challenges to AM/3DP development and adoption. **Tim Shinbara**，Vice President, Association for Manufacturing Technology

15:00-15:15 Coffee Break

15:15-15:35 Panel Discussion

Chinese Moderator--TBD

US moderator--TBD

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| **Special Topic VI: Advanced Materials and Manufacturing** |

15:35-16:00 The Manufacturing and Applications of Advanced Light Metal & Ceramic Matrix Composites

 **Zhou Yu**, Academician of Chinese Academy of Engineering, President of Harbin Institute of Technology

16:00-16:25 Title to be decided

 US Speaker to be decided

16:25-16:45 Panel Discussion

Chinese Moderator: **Xie Xishan**, Former Chairman of CMES Materials Institution, Professor of University of Science and Technology Beijing

US moderator--TBD

16:45-17:00 Closing Remarks

Speaker: TBD

**Registration Form**

**SATEC Forum on Innovation·Intelligent Manufacturing**

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| Name |  | Gender |  |
| Member of CMES/ASME | YES□ /NO□ |
| Institution/Company |  |
| Position/Title |  |
| Address |  |
| Postal code |  | Tel  |  |
| Mobile |  | Fax |  |
| Email |  |
| Your research field and interests: |
| the issues/contents you wish to listen to: |
| the issues/questions you wish to discuss with the speakers: |
| Note |  |

Please send this form back by email to fanj@cmes.org or by fax to +86 10 80115555-532149 **before April 2, 2016.**

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