



The World Manufacturing Convention

Binhu International Exhibition & Convention Center, Hefei, 24-26 May 2018

Shaping the Future of Manufacturing

(Program as of 27 March 2018)

Shaping the future of manufacturing

Manufacturing is undergoing a fundamental revolution worldwide. The Internet of Things, Artificial Intelligence and advanced Robotics, big data and cloud computing are radically transforming industrial activity, creating a unique opportunity for new significant productivity gains and competitive advantages for first mover countries and companies. At the same time, major new developments in the global economy as well new issues and challenges on the international trade scene coupled with environmental pressures are putting pressure on corporations to review the location of their activities and reshape their supply chains.

Industry 4.0 – the fourth industrial revolution – is spreading fast with tremendous implications in the economic, corporate, social and geopolitical domains. Whether it is Germany's "Industry 4.0" or China's "Made in China 2025", the US "Manufacturing revitalization", France's "Industry of the Future", Japan's "Society 5.0" or India's "Make in India" every major country is today confronting the challenge of creating the conditions for the successful transformation of its industrial base as a crucial asset for tomorrow's prosperity.

The Global Alliance of SMEs - GASME - is convening the World Manufacturing Convention to discuss the key elements of the manufacturing revolution underway and assess their impact; to explore the policies and initiatives that will allow countries and corporations to leverage the new opportunities created by this industrial revolution, and to manage the challenges that are involved.

The World Manufacturing Convention will also provide a privileged framework for promoting efficient exchanges of views and expertise. It will offer participants an opportunity for creating new business relationships and for matchmaking between Chinese and foreign manufacturers.

The Global Alliance of SMEs (GASME) is co-hosting the World Manufacturing Convention with the United Nations Industrial Development Organization (UNIDO), the Federation of German Industries (BDI), the Anhui Provincial Government, the Ministry of Industry and Information Technology of the People's Republic of China (MIIT), the Chinese People's Association for Friendship with Foreign Countries (CPAFFC), and the Chinese Academy of Engineering (CAE).

Co-Chairmen:

Addressing the challenge of sustainable industrialization



全球中小企业联盟
Global Alliance of SMEs (GASME)
Consultative Status with UNIDO 联合国工业发展组织咨商机构

Mr. Christian Wulff, Former President of the Federal Republic of Germany

Mr. Jean-Pierre Raffarin, Former Prime Minister of the French Republic

Hosts

Global Alliance of SMEs

United Nations Industrial Development Organization

Federation of German Industries

Anhui Provincial Government

Ministry of Industry and Information Technology of the People's Republic of China

Chinese People's Association for Friendship with Foreign Countries

Chinese Academy of Engineering

Supporting Organizations

Ministry of Commerce of the People's Republic of China

Ministry of Foreign Affairs of the People's Republic of China

Development Research Center of the State Council

Partners *(as of 25 March)*

French Federation of Mechanical Industries

Japan Machinery Federation

American Chamber of Commerce in Shanghai

Confederation of Indian Industry

British Chamber of Commerce Shanghai

China Association of International Trade of the Ministry of Commerce of the People's Republic of China

Industrie 4.0 Club

Strategic Partner

Smadja & Smadja Strategic Advisory

Major Speakers

Top government leaders from the People's Republic of China

Leaders of Anhui Provincial Government

Top executives from major Chinese corporations and multinational corporations

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Senior personalities from international organizations

Heads of major business organizations

Thought leaders and experts from major Chinese and international think-tanks and academic centers of excellence

Participants

The Convention will bring together about 2000 participants. Among them:

- Senior executives from international and Chinese manufacturing corporations from all key industrial and I.T sectors
 - Senior executives from financial institutions
 - Senior executives of corporations from the services sector
 - Editors from economic, business and industry publication
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Program (as of 27 March 2018)

Thursday 24 May 2018	
16:00 Onwards	Registration of participants
17:00 – 17:15	Coffee break
18:30 – 20:30	Official Welcome Banquet
Friday 25 May 2018	
09:30 – 10:30	Official opening ceremony
10:45 – 12:15	<p>Plenary session Developing the right ecosystems for smart manufacturing</p> <p>How to create the best conditions for integrating the relevant technologies, such as additive manufacturing, robotics, artificial intelligence and advanced materials to forge a more efficient, leaner, manufacturing process and organization and generate business growth?</p> <ul style="list-style-type: none"> ✓ What are the key requirements and conditions that corporations need to bring together to ensure the success of their shift to smart manufacturing or Industry 4.0? ✓ What national policies are needed to smooth the way and accelerate the transition to Industry 4.0?
12:30 – 13:45	Lunch
14:00 – 17:30	<p>14:00 – 15:30 Break-out Session 1 <i>Leveraging the potential of Artificial Intelligence</i> <i>The digital enterprise: creating the greatest competitive advantage from IOT, Advanced Robotics and Artificial Intelligence?</i></p> <p>Artificial Intelligence and robotics are revolutionizing the industrial landscape triggering and sustaining the shift towards Industry 4.0. Companies are today facing the challenge of ascertaining how best to use Artificial Intelligence capabilities and advanced robotics to achieve a competitive advantage in a context where technology is evolving very fast and highly skilled</p>



	<p>are creating new opportunities for improving performance, and becoming even more consumer-centric, but also new challenges in putting all the parts together.</p> <ul style="list-style-type: none"> ✓ What are the new opportunities for automation in electronics manufacturing? ✓ Is the digital factory the next step for the electronics industry? ✓ Creating partnerships with technology solutions providers and other organizations to get the needed technology capabilities outside of the company's core focus.
<p>14:00 – 17:30 <u>Industry 4.0 and the productivity challenge</u></p>	<p>14:00 – 15:30 Break-out Session 1 <i>Leveraging the power of big data for productivity and competitiveness</i></p> <p>Leveraging Big Data - the ever-increasing amount of structured and unstructured data generated through multiple sources and stored - is now a priority for businesses to increase their productivity and remain competitive. Companies are investing billions of dollars in Big Data initiatives to better understand their customers and detect early-on the new consuming patterns, to streamline supply chains and make production processes more efficient, to reduce cost and make better informed strategic decisions.</p> <ul style="list-style-type: none"> ✓ How can Big Data be best used by businesses to make a difference performance-wise? ✓ What should a Big Data corporate strategy take into account and what are the measurements for success? <p><i>Networking break</i></p>



<p>15:30 – 16:00</p> <p>16:00 – 17:30</p>	<p>Break-out Session 2</p> <p><i>What new operating models for industrial manufacturers in a new global economic environment?</i></p> <p>In a new global environment marked by increased volatility, new non-business risks, protectionist tendencies and fast technological change, manufacturing companies need to evolve towards new operating models building upon the potential of advanced manufacturing concepts. This involves creating new strategic partnerships while maintaining the strategic flexibility needed in an era where a partner might all of the sudden become a competitor; achieving greater efficiency in the mining of available data; pushing more forcefully towards sustainable manufacturing in terms of resources and energy use, etc.</p> <p>What road map for moving towards the new operating models required by Industry 4.0?</p>
<p>14:00 – 17:30</p> <p><u>Leveraging the intellectual property capital</u></p>	<p>14:00 – 15:30 Break-out Session 1</p> <p><i>Intellectual Property strategies and priorities for smart manufacturing</i></p> <p>Smart Manufacturing is based on IOT and automation data to transform how products are sourced, produced and put to market, combining the physical and digital ecosystems. The intellectual property and data that underpin these ecosystems are thus not only a crucial asset for companies engaged in smart manufacturing, they also determine in many ways their competitiveness and sustainability in a context of fierce global competition.</p> <ul style="list-style-type: none"> ✓ How should corporations define their priorities with respect to Intellectual Property creation? ✓ How to address the increasing challenge of ensuring overall Intellectual Property protection against patent infringements and security cyber-attacks? ✓ What kind of intellectual property to share and what to develop? <p>What ways to monetize the intellectual property created by shifting to smart manufacturing while not endangering any competitive edge?</p>
<p>15:30 – 16:00</p>	<p><i>Networking break</i></p>
<p>16:00 – 17:30</p>	<p><i>Meeting the success factors for technology transfer for</i></p>



	<p>SMEs</p> <p>The technological enhancement of SMEs is recognized as a MUST success factor for implementing a shift towards Industry 4.0 at the national level. While efficient technology transfers are crucial to this enhancement process, they face however a number of difficulties and obstacles, whether it is confidentiality and Intellectual Property protection issues, insufficient technology capabilities, lack of financial or management resources on the recipient companies' side etc.</p> <p>A technology transfer suitable for SMEs has also to be focused on the demands of that category of businesses.</p> <ul style="list-style-type: none"> ✓ How should SMEs prepare themselves to be able to integrate and leverage technology transfers? ✓ What are the key success factors for technology transfers? ✓ How can SMEs best cooperate with academic R&D centers? What kind of PPPs would be most conducive for successful technology transfers?
<p>Saturday 26 May 2018</p>	
<p>09:00 – 09:30</p>	<p>Opening address</p>
<p>09 :30 – 10 :45</p>	<p>Investment priorities for smart manufacturing</p> <p>In most cases, existing production facilities have to be upgraded to meet the requirements for smart manufacturing. Systems must be overhauled, new infrastructures must be set up, different automation systems must be made to connect and function together to create an architecture for data collection and management. All of this means new investments of various scale. Obviously, investments should focus on developing the technology platforms and the new operating models that will enable the smart manufacturing capabilities that will enhance productivity and customers' operations.</p> <ul style="list-style-type: none"> ✓ How to make the right investments choices on new IT, machinery and talent? <p>Strategic alternatives for securing the capital needed to shift to smart manufacturing</p>
<p>11 :00 – 12 : 15</p>	<p>Business organizations in a world of disruptions</p> <p>Corporations and national economies are struggling to keep pace with the major disruptions that are radically changing the technological, economic, trade, financial and</p>



	<p>business environment in which they operate. Even major global MNCs have today to up their game to ensure that they will not miss the next new game-changing factor and in that respect SMEs are even more under pressure to avoid losing their relevance and competitiveness in a volatile environment.</p> <ul style="list-style-type: none"> ✓ What does this new context mean for the way business organizations operate? How can they keep – or even improve – their relevance and usefulness for their members? ✓ Are there new ways in which they could help their members, new missions and tasks that their members are expecting from them?
<p>14 : 00 – 17 :00</p>	<p><i>Leveraging the potential of blockchain technology</i></p> <p><i>Part one, 14:00 – 15:15</i></p> <p><i>Leveraging blockchain as a springboard for the future of IOT and Industry 4.0</i></p> <p>The Internet of Things keeps generating ever larger inflows of information and data. However, the Cloud technology might not prove to be secure or even fast enough in the near future to handle the mass of data and information which is expanding in an exponential way – especially as concerns about the security against data tampering or stealing are increasing. The blockchain technology looks increasingly as a response to this emerging problem by creating highly secure platforms for information management and sharing.</p> <ul style="list-style-type: none"> ✓ What is the potential for the blockchain technology as a way to sustain the further development of Industry 4.0 and IOT? ✓ How to address the challenges involved in leveraging blockchain technology such as missing standards and scalability? <p><i>Part two: 15:45- 17:00</i></p> <p><i>Leveraging the blockchain technology to create new business models</i></p> <p>As a global public ledger able of automatically recording,</p>

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	<p>storing and verifying a high volume of digital transactions, in blocks of cryptographically validated data that users can't modify or corrupt, the blockchain technology has the potential of helping to create new business models for the manufacturing industry, based on assets sharing improved monitoring and documenting of product quality, improved supply chain efficiency.</p> <ul style="list-style-type: none">✓ Where do we stand in validating this potential?✓ What would be required for an optimal integration of blockchain technology?
11:00-17:30	<i>One-on-one Matchmaking</i>