



中华人民共和国科学技术部
Ministry of Science and Technology of the People's Republic of China



INTERNATIONAL CONFERENCE ON EMERGING FOURTH INDUSTRIAL REVOLUTION (4IR) TECHNOLOGIES FOR SUSTAINABLE DEVELOPMENT

22 July 2021

Guangzhou, China (Virtual mode)

TENTATIVE PROGRAMME

(Beijing Time GMT+8)

OPENING SESSION		
10:30 – 10:40	Inaugural address	Mr. Linhao Chen Deputy Director General, Department of International Cooperation, Ministry of Science and Technology, People's Republic of China
10:40 – 10:50	Opening Remarks	Dr. Preeti Soni Head of Asian and Pacific Centre for Transfer of Technology (APCTT), United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)
10:50 – 11:00	Video on 4IR technologies	
Technical Session I: 4IR technology innovations for sustainable development – Challenges, opportunities and strategies		
Moderator: Mr. Purushottam Kaushik, World Economic Forum		
11:00 – 11:15	Role and potential of 4IR technologies for inclusive and sustainable development	Mr. Purushottam Kaushik Head, Centre for the Fourth Industrial Revolution India,

		World Economic Forum
11:15 –11:30	“AI+HPC+5G” based Digital Twins Platform and Open Source Eco-system for Smart Manufacturing and Integrated Precision Farming	Prof. Xue-Feng Yuan Guangzhou University, People’s Republic of China
11:30 –11:45	4IR Technologies to respond to COVID-19 challenges to human health and sustainable recovery	Dr. Joon-young Hur Research Fellow, Korea Institute of Public Administration, Seoul, Republic of Korea
11:45–12:00	Smart manufacturing related practices of Sinomach-IT	Dr. Xiangjun Kong Sinomach Intelligence Technology Co. Ltd., People’s Republic of China
12:00–12:15	Unmanned transportation solutions to promote the sustainable development of the mining industry	Dr. Andy Zheng Beijing Tage IDriver Technology Co. Ltd., People’s Republic of China
12:15–12:45	Open Discussion	
12:45–13:45	Lunch Break	
Technical Session II: Promoting 4IR technologies – Strategies for collaborative research, innovation and technology transfer in the Asia-Pacific Moderator: Prof. Xue-Feng Yuan, Guangzhou University, China		
13:45 –14:00	Development of Industrial Internet in China: Challenge and Opportunities	Dr. XU Can Vice President, CASICloud-Tech Co. Ltd., People’s Republic of China
14:00 –14:15	Leveraging open innovation knowledge-flows for co-creation of 4IR technologies	Prof. Rajah Rasiah Ph.D. Asia-Europe Institute, University of Malaya, Malaysia
14:15 –14:30	Collaborative networks and incubators for development, adoption and diffusion of 4IR technologies	Dr. Kalenzi Cornelius Recent Fellow, World Economic Forum and Postdoctoral Fellow, Korea Policy Center for the Fourth Industrial Revolution, Korea Advanced Institute of Science and Technology, Republic of Korea
14:30 –14:55	Open Discussion	
14:55 –15:15	Break	

Technical Session III: Panel Discussion –Strategies for regional cooperation to promote collaborative R&D and innovations of 4IR technologies

The Panel will share views on enhancing the pace of development and uptake of emerging 4IR technologies for sustainable development through regional cooperation. This would include discussion on the role of knowledge-based institutions (KBIs) such as universities, national laboratories and industrial and research organizations engaged in 4IR technology innovations and formulating concrete strategies for regional cooperation.

Moderator: Prof. Rajah Rasiah, University of Malaya, Malaysia

15:15 –16:40	<p>Panelists:</p> <p>Mr. Tamerlan Taghiyev, Acting Executive Director, Centre for Analysis and Coordination of the 4th Industrial Revolution, Ministry of Economy, Republic of Azerbaijan</p> <p>Prof. Xue-Feng Yuan, Guangzhou University, People’s Republic of China</p> <p>Dr. (Ms) Suman Kumari Mishra, Director, CSIR-Central Glass and Ceramic Research Institute, India</p> <p>Prof. Dipshikha Chakravortty, Professor, Indian Institute of Science, India</p> <p>Dr. Alireza Allahyari (PhD), General Director, International Cooperation and Khwarizmi Awards, IROST, Islamic Republic of Iran</p> <p>Prof Ts Dr Rose Alinda Alias, FAPM, Professor (Information Systems), Azman Hashim International Business School (AHIBS), Universiti Teknologi, Malaysia</p> <p>Mr. Caesar Angelito Estioko Arceo, Supervising Science Research Specialist, Invention Development Division (IDD), Technology Application and Promotion Institute (TAPI), Department of Science and Technology (DOST), Philippines</p> <p>Mr. Olimjon Alijonovich Tychiev, Director of the National Office for the Implementation of Innovations and Transfer of Technology of the Ministry of Innovative Development, Uzbekistan</p>	
16:40 –16:50	Closing Remarks	<p>Dr. Preeti Soni Head of Asian and Pacific Centre for Transfer of Technology (APCTT), United Nations Economic and Social</p>

		Commission for Asia and the Pacific (ESCAP)
16:50–17:00	Closing Remarks	Ms. Xuemei Yang Director, Division for International Organizations and Multilateral Cooperation, Department of International Cooperation, Ministry of Science and Technology, People’s Republic of China