



# *International Conference on Emerging Technologies for Achieving Sustainable Development Goals*

5 November 2019,  
Hotel Istana,  
Kuala Lumpur, Malaysia

*Organized by*

Asian and Pacific Centre for Transfer of Technology of the  
United Nations Economic and Social Commission for Asia and the Pacific

*Jointly with*

Ministry of Energy, Science, Technology, Environment and Climate  
Change, Malaysia

## TENTATIVE PROGRAMME

<b>08:30-09:00</b>	<b>Registration</b>	
<b>OPENING SESSION</b>		
<b>09:00-09:40</b>	<b>Welcome Address</b>	<b>Ms. Michiko Enomoto</b> Head, Asian and Pacific Centre for Transfer of Technology, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)
	<b>Opening Address</b>	<b>Mr. Adnan Aliani</b> Director, Strategy and Programme Management Division, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)
	<b>Keynote Address</b>	<b>Dr. Mohd Nor Azman Bin Hassan</b> Deputy Secretary General (Science, Technology & Innovation), Ministry of Energy, Science, Technology, Environment and Climate Change (MESTECC)
	<b>Group Photo</b>	
<b>SESSION I: Role of Emerging Technologies in Achieving Sustainable Development Goals (SDGs)</b> Technologies serve as game changers towards achieving sustainable development. This session examines the potentials of new and emerging technologies to create inclusive and sustainable society, while addressing need of appropriate policies to facilitate innovative development and to reduce inequalities.		
<b>Chairperson: Ms. Michiko Enomoto, Head, Asian and Pacific Centre for Transfer of Technology, UNESCAP</b>		
<b>09:40-10:05</b>	<b>Role of the New and Emerging Technologies for Sustainable Development</b>	<b>Dr. Michiharu Nakamura</b> Senior Advisor, Japan Science and Technology Agency & 10-Member Multi-stakeholder Group for UN inter-agency Task Team on Science, Technology and Innovation.
<b>10:05-10:30</b>	<b>Policy Ecosystem for Strengthening Innovation Capacities of Countries for</b>	<b>Dr. Per Stenius</b> CEO and Chairman of the Board, Reddal Inc., Finland

	<b>Achieving Sustainable Development Goals</b>	
<b>10:30-10:50</b>	<b>Coffee Break</b>	
<b>Chairperson: Dr. Per Stenius, CEO and Chairman of the Board, Reddal Inc, Finland</b>		
<b>10:50-11:10</b>	<b>Role of Grassroots Innovations for Sustainable Development</b>	<b>Ms. Sharmila Mohamed Salleh, A.M.N</b> Acting Chief Executive Officer, Yayasan Inovasi Malaysia
<b>11:10-11:30</b>	<b>IoT and Big Data Analytics for Providing Innovative Business Solutions for Sustainable Development</b>	<b>Mr. Kumar Rajagopalan</b> Vice President and Country Head, Digital Intelligence Systems India
<b>11:30-11:50</b>	<b>Nanotechnology for achieving Sustainable Development Goals</b>	<b>Dr. Rezal Khairi Bin Ahmad</b> Chief Executive Officer, Nano Malaysia Berhad, Malaysia
<b>11:50-12:10</b>	<b>Emerging Technologies to Achieve SDGs under Bioeconomy-Circular Economy-Green Economy Model</b>	<b>Dr. Aparat Mahakhant</b> Deputy Governor, Thailand Institute of Scientific and Technological Research, Thailand
<b>12:10-13:40</b>	<b>Lunch Break</b>	
<b>SESSION II: Enablers in Facilitating Technology Transfer</b>		
<p>Emerging technologies are considered to possess immense potential to address developmental challenges in almost every field. Prominent technologies are Internet of Things (IoT), 3D printing, Artificial Intelligence, Additive Manufacturing and Block chain technologies, among others. These technologies are drastically changing the society, increasing the productivity and efficiency in manufacturing and service sectors. This session discusses challenges, opportunities and best practices in applying emerging technologies to achieve the 2030 Sustainable Development Goals.</p>		
<b>Chairperson: Mr. Jonathan Wong, Chief, Science, Technology and Innovation Section, Trade, Investment and Innovation Division, ESCAP</b>		
<b>13:40 -14:00</b>	<b>IoT Ecosystem for Sustainable Development and policies to adopt and apply new technologies</b>	<b>Dr. Yoong Siew Wai</b> Senior Manager, National Strategic Initiative, Malaysian Institute of Microelectronic Systems Berhad, Malaysia
<b>14:00-14:20</b>	<b>Intelligent Manufacturing in the Digital Age and enablers for technology transfers</b>	<b>Prof. Xue-Feng Yuan</b> Director, Institute for Systems Rheology, Guangzhou University, China & Founding Director, National Supercomputer Centre, Guangzhou, China

14:20-14:40	<b>Mechanisms for Promoting Technology Transfer - challenges and opportunities</b>	<b>Dr. Ashwani Gupta</b> Scientist G and Head of Department, Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India
14:40 -15:00	<b>Enabling Policies to facilitate transfer and commercialization of Emerging Technologies</b>	<b>Prof. Ir. Dr. Ahmad Fadzil Mohamad Hani</b> President and Group Chief Executive, Standards and Industrial Research Institute of Malaysia Berhad, Malaysia
15:00 - 15:20	<b>Promoting Regional Cooperation on ICT - challenges and opportunities in Asia and the Pacific</b>	<b>Mr. Takahiro Kono</b> Director, National Institute of Information and Communication Technology (NICT, Japan) Asia Center, Bangkok, Thailand
15:20-13:35	<b>Break</b>	
<b>SESSION III: Panel Discussion on Proposals for Regional Cooperation in New and Emerging Technologies</b>		
<b>Moderators:</b> <b>Ms. Michiko Enomoto</b> , Head, Asian and Pacific Centre for Transfer of Technology, ESCAP; <b>Mr. Mr Teoh Phi Li</b> , Undersecretary of International Division, Ministry of Energy, Science, Technology, Environment and Climate Change, Malaysia		
<b>15:35-17:15</b>		
<b>Panelists:</b> <b>Mr. Muhammad Akbar Hussain</b> , Additional Secretary (Science and Technology), Ministry of Science and Technology, Government of People's Republic of Bangladesh, Bangladesh		
<b>Ms. Zhang Yiqing</b> , Programme Officer, Ministry of Science and Technology, Peoples Republic of China		
<b>Mr. Pita Tagicakirewa</b> , Counsellor, Fiji High Commission, Malaysia		
<b>Dr. Ashwani Gupta</b> , Scientist G and Head of Department, Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India		
<b>Mr. Yan Rainto</b> , Director, Centre for the Utilisation and Innovation of Science and Technology, Indonesian Institute of Sciences, Indonesia		

**Dr. Alireza Allahyari**, General Director for Iranian Cooperation, Iranian Research Organisation for Science and Technology, Islamic Republic of Iran

**Tbc**, Ministry of Energy, Science, Technology, Environment and Climate Change, Malaysia

**Dr. Muhammad Tariq Masood**, Joint Scientific Adviser, Ministry of Science and Technology, Pakistan

**Mr. Edgar I. Garcia**, Director, Technology Application and Promotion Institute, Department of Science and Technology, Philippines

**Dr. Jinwon Kang**, Research Fellow, Korea Institute of S&T Evaluation and Planning, Republic of Korea

**Mr. J A Ajith Dhammika Jayasuriya**, Deputy Director General (Research and Development), National Engineering Research and Development Centre of Sri Lanka, Sri Lanka

**Dr. Aparat Mahakhant**, Deputy Governor, R&D Group for Sustainable Development, Thailand Institute of Scientific and Technological Research, The Ministry of Higher Education, Science, Research and Innovation, The Royal Thai Government, Thailand

**Mr. Shakhobjon Sharifovich Sharifov**, Director, Scientific and Practical Center for the Implementation of Innovative Projects, Ministry of Innovative Development, Republic of Uzbekistan

#### CLOSING SESSION

17:15- 17:30	Remarks	<b>Ms. Michiko Enomoto</b> Head, APCTT, ESCAP
	Remarks	<b>Datuk Parang Abai Thomas</b> Senior Undersecretary, Strategic Planning Division, MESTECC
17:30	Refreshments	
<b>End of Programme</b>		