

INAUGURAL PROGRAMME

International Conference on

Industry 4.0 in the Developing World: Challenges, Gaps and Opportunities

16-17 March 2022, Colombo, Sri Lanka

Colombo time	Inaugural Program
9:00	Registration
9:30	Welcome Address – Dr. Sirimal Premakumara Chairman, Industrial Technology Institute (ITI), Sri Lanka
9:40	Introductory Remarks – Mr. Jayantha De Silva Secretary, Ministry of Technology and State Ministry of Digital Technology & Enterprise Development, Sri Lanka
9:50	Remarks by PNCU's Representative – Mr. Syed Junaid Akhlaq Secretary General, Pakistan National Commission for UNESCO (PNCU), Pakistan
10:00	Keynote Address – Dr. Bernardo Calzadilla-Sarmiento Managing Director, Directorate of Digitalization, Technology and Agri-Business; and Director, Department of Digitalization, Technology and Innovation, UNIDO, Austria
10:15	Remarks by COMSATS Representative – Prof. Dr. Ashraf A. Shaalan Chairperson COMSATS Coordinating Council and Former President National Research Centre (NRC), Egypt
10:25	Address by the Chief Guest – Hon. Namal Rajapaksa Minister of Youth & Sports; Minister of Development Co-ordination and Monitoring; and State Minister of Digital Technology & Enterprise Development, Sri Lanka
10:40	Vote of Thanks – Mr. Irfan Hayee Deputy Director Programs, Commission on Science and Technology for Sustainable Development in the South (COMSATS), Pakistan
10:50	Group Photo
11:00	Refreshments

TECHNICAL PROGRAMME

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Colombo time	Technical Program: DAY-1 – 16th March
11:30-14:30	Session-1: Introduction to 4IR - Implications for developing countries
11:30	Economic Resurgence through Technology Diffusion – Mr. Jayantha De Silva, Secretary, Ministry of Technology, Sri Lanka
12:00	Digital Transformation and 4IR for Competitiveness – Mr. Aleksei Savrasov, Industrial Development Officer, United Nations Industrial Development Organization (UNIDO Headquarters), Vienna, Austria
12:30	Fourth Industrial Revolution -- Opportunity or Risk? – Mr. Azhar Zia-ur-Rehman, Member Presidential Committee on Emerging Technologies, Government of Pakistan, Pakistan
13:00	4th Industrial Revolution and the Sri Lankan Labour Market – Are we ready? – Dr. Nisha Arunatilake, Director of Research, Institute of Policy Studies (IPS), Sri Lanka
13:30	Lunch Break
14:30-16:00	Session-2: Are the Blockchain & 4IR Technologies - really the next big thing after Internet?
14:30	What is Blockchain, Case Study – Use of Blockchain by Dubai Govt – Dr. Sohail Munir, Advisor Emerging Technologies and Digital Transformation, Digital Dubai, UAE
15:00	How to implement IIoT in Emerging Markets - A business and technical case study of Linked Things – Ms. Sophia Aziz Hasnain – CEO Linked things, Pakistan
15:30	Refreshment
16:00- 17:00	Session-3: Will the Society 5.0 increase digital gap between advanced countries and developing countries?
16:00	What is Society 5.0, Society 5.0 vs Industry 4.0 – Mr. M. Hammad Bashir Saeed, Project Expert, Private Financing Advisory Network (PFAN), United Nations Industrial Development Organization (UNIDO)
16:30	Artificial Intelligence, Culture and Education – Mr. Ajmal Anwar Awan, Member (International Coordination), Ministry of Information Technology and Telecommunication, Pakistan

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Colombo time	Technical Program: DAY-2 – 17 th March
09:30-11:50	Session-4: Innovations and upcoming trends and applications of 4IR in Health, Agriculture, Energy, Disaster risk management
09:30	Health Revolution in the Fourth Industrial revolution – Mr. Azhar Zia-ur-Rehman, Member Presidential Committee on Emerging Technologies, Government of Pakistan, Pakistan
10:00	Internet of Things (IoT) and Robotics for Sri Lankan Agriculture : Opportunities and Challenges – Prof. Dr. Pradeep Abeygunawardhana, Director Technology Diffusion, Information and Communication Technology Agency (ICTA), Sri Lanka
10:30	Application of 4IR for Disaster risk management, challenges and opportunities – Dr. Ruwan Weerasinghe, Director Electro Technology Laboratory, Industrial Technology Institute (ITI), Sri Lanka
11:00	Refreshments
11:20	Micro-grids -The Way Forward for Electrification of Rural Communities in 4IR – Dr. Sobia Baig, Head Energy Research Centre, COMSATS University, Islamabad (CU), Pakistan
11:50-13:30	Session-5: The concept of Smart Cities
11:50	Industry 4.0 Maturity Assessment Models and Manifest on National Digital Maturity Assessment Model for SMEs – Dr. Nuriye Ünlü, Director, Yazılım Teknolojileri Araştırma Enstitüsü (YTE), Turkey
12:30	A Smart City with all things sensing, connected, and intelligent – Dr. Indika De Zoysa, Vice President, Huawei Technologies Lanka Co (Pvt) Ltd, Sri Lanka
13:00	Smart Cities: Challenges in Cost-Benefit Analysis – Dr. Ajith Pasqual, Professor, University of Moratuwa, Sri Lanka, and President - Sri Lanka Electronics Manufacturers and Exporters Association (SLEMEA), Sri Lanka
13:30	Lunch Break
14:30-16:40	Session-6: Digital Technology and International trade for Island countries like Sri Lanka
14:30	A blueprint for implementing smart grids in developing countries – Mr. Sumedha Rubasinghe, Founder and CEO, Entgra Pvt. Ltd., Sri Lanka
15:00	Technology Enablement for New Business Models and International Trade in Sri Lanka Mr. Asela Wickremesooriya, Chief Transformation Officer, Aitken Spence, Sri Lanka
15:30	Application of Deep learning for industry 4.0 – Dr. Ranga Rodrigo, Head, Electronic and Telecommunication Engineering Department, University of Moratuwa, Sri Lanka
16:00	PANEL DISCUSSION: 'CREATING ENABLING ENVIRONMENT FOR 4IR' – Moderator: – Sohail Munir; Azhar Zia ur Rehman; M. Hammad Bashir Saeed; Dr. Nuriye Unlu
16:40-17:00	Closing Session
17:00	Group Photo and Refreshments

EXTENDED SESSION

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Colombo time	Technical Program: DAY-3 – 18th March
09:30-11:50	Extended Session
09:30	Beyond Digital Transformation in the Fourth industrial revolution – Mr. Azhar Zia-ur-Rehman, Member Presidential Committee on Emerging Technologies, Government of Pakistan, Pakistan
11:00	Q&A
11:30	Refreshments