NITI Aayog-ORF AI for All 2018 Conference Agenda

Dates: November 15, 16, 2018
Venue: Taj Lands End, Mumbai

November 15, 2018 (Thursday), Garden View Room	
1500 to 1600	Registration
1600 to 1700	**Inaugural Session** • **Amitabh Kant**, CEO, NITI Aayog • **Samir Saran**, Co-Chair of AI for All, President, Observer Research Foundation • **Anna Roy**, Co-Chair, AI for All, Adviser, NITI Aayog • **Wendell Wallach**, Co-Chair, AI for All, Consultant, Ethicist, and Scholar at Yale University's Interdisciplinary Center for Bioethics
1700 to 1715	**Keynote Address: Dr Ajay Kumar, Secretary, Department of Defence Production, Ministry of Defence**
1715 to 1740	**Fireside Chat: Moderating Content Online: The Role of AI** • **Jack Dorsey**, CEO, Twitter • **Amitabh Kant**, CEO, NITI Aayog • **Samir Saran**, Co-Chair of AI for All, President, Observer Research Foundation
1740 to 1800	**Tea/Coffee**
1800 to 1855	**The Race for Autonomy: Strategies, Security and Implications of AI** Technology may no longer be the great equalizer as countries compete to gain a head start in AI adoption. As states declare their strategies to harness the potential of AI to meet national priorities, the global balance of power will be challenged with the onslaught of the new technology. What will competition look like in the AI age? How can governments redesign and manage transitions in manufacturing, labour, defense and the larger economy as a result of AI? • **William Boothby**, Former Deputy Director of Legal Services, Royal Air Force, UK • **Dong Wang**, Professor, Peking University

	• **Soo-Young Lee**, Professor, Korea Advanced Institute of Science and Technology (KAIST) • **Wendy Cukier**, Professor, Ted Rogers School of Management • **Arohi Jain**, Head of Research, The Future Society (Chair)
1855 to 1910	**Spotlight Speech: AI for All Alliance** • **Arnab Kumar**, Manager, Frontier Technologies, NITI Aayog
1910 to 2005	**Carving out AI Futures: Framing Inclusive Interests of Emerging Economies** The increasing US-China bipolarity in the fight for AI dominance has resulted in other countries evaluating and building their capacities to become contenders. As governments adopt different approaches to create value in the global supply chain, how can access to AI be made inclusive, equitable and transparent? India, for instance, has stated its vision to deploy AI to solve socio-economic problems at scale and even leverage the technology to benefit the differently abled. What are some of the challenges unique to emerging economies when pushing for AI adoption and deployment? How can the West partner with these countries to promote regional stability and create a new global order? • **Robert Ravi**, Senior Advisor ICT, Ministry of Information & Communications Technology, Government of Uganda • **Aakrit Vaish**, Co-Founder and CEO, Haptik • **Jaspreet Bindra,** Adviser and Consultant in Digital Transformation, Blockchain and Future of Work • **Urvashi Aneja**, Founding Director, Tandem Research • **Madhulika Srikumar,** Associate Fellow and Programme Coordinator, Observer Research Foundation (Chair)
2005 to 2205	**Working Dinner: NITI Aayog-World Economic Forum Roundtable on AI for All Alliance and Data Marketplace** (by invite only)
1955 onwards	**Dinner**

November 16, 2018 (Friday), Salcette Hall	
1000 to 1100	**Registration**
1100 to 1110	**Speedtalk: Privacy versus Societal Utility of Data: Emerging AI Trends**

	• **Ramesh Raskar**, Associate Professor, Massachusetts Institute of Technology and Director, Camera Culture Group, MIT Media Lab
1110 to 1205	**AI and Ethics: Big Tech's Big Responsibility** Ongoing research in AI indicates that protecting against bias and securing systems for safety and against emerging threats must be incorporated at the stage of designing applications. The backlash from Google's controversial military AI program, Maven, and Amazon's real-time facial recognition tool, Rekognition, has also brought into question the ethical responsibility of companies in using their tools for weapons and surveillance. As defense and law enforcement modernize their operations, can AI be leveraged to serve national security interests? How can companies be held responsible by employees and users when their technologies are found to be use biased or used to perpetuate harm? • **Eleonore Pauwels**, Research Fellow on Emerging Cybertechnologies, UNU-CPR, New York • **Matthias Scheutz**, Professor in Computer Science, Tufts University • **Thomas Philbeck**, Head, Technology, Society and Policy, World Economic Forum • **Ramesh Raskar**, Associate Professor, Massachusetts Institute of Technology and Director, Camera Culture Group, MIT Media Lab • **Wendell Wallach**, Consultant, Ethicist, and Scholar at Yale University's Interdisciplinary Center for Bioethics (Chair)
1205 to 1220	**Tea/Coffee**
1220 to 1230	**Keynote Address by SVR Srinivas, Principal Secretary, Directorate of IT, General Administration Department, Government of Maharashtra**
1230 to 1245	**Spotlight Speech: Data Marketplace for AI** • **Aalekh Sharan**, OSD to CEO, NITI Aayog
1245 to 1340	**Data for Good: Public-Private Cooperation in Data Sharing** The French Government's new AI strategy calls for making data a public good with the state convening platforms to encourage data sharing among the private sector. India on the other hand has built the world's largest public data infrastructure with the national digital-

	id programme, Aadhaar. As more states mandate data to be localised, trends indicate that policymakers world over are looking to develop solutions to leverage data to prioritize local startups and level the playing field. The NITI Aayog National AI Strategy, for instance, recommends that a National Data Marketplace be established for data aggregation and annotation. Will dominance in data result in a winner-takes-all outcome and determine the leaders in an AI-driven economy? How can the government enable data ecosystems and access to intelligent data? • **Anna Roy**, Adviser, NITI Aayog • **Silvana Lopez**, Founder, The Blockchain Challenge • **David Li,** Co-Founder, Shenzhen Open Innovation Lab • **Lea Kaspar,** Executive Director, Global Partners Digital • **Shailesh Sharda**, Head, Center for the Fourth Industrial Revolution, India, World Economic Forum (Chair)
1340 to 1435	**Lunch**
1435 to 1455	**Speedtalk:** • **Ajay Prakash,** Co-Founder and Head of Product at Perlin • **Ira Saxena,** Young Professional, NITI Aayog
1455 to 1510	**Spotlight Speech: Building the Research Ecosystem** • **Punit Shukla**, Expert, Frontier Technologies, NITI Aayog
1510 to 1525	**Keynote Address by Sir Dominic Asquith KCMG, British High Commissioner to India**
1525 to 1620	**Privacy, Security and Standards in the age of Big Data Analytics** As algorithmic decisions and AI become more ubiquitous redefining everyday experiences, data will be collected at a scale that will challenge principles of data protection such as consent and purpose limitation. With machine learning systems becoming more sophisticated in drawing patterns and profiling users, civil liberties, and as evidenced, even democracies can be threatened. How can privacy including principles of transparency, consent and accountability be reimagined in the age of big data? How can elections and other democratic processes be secured as profiling and data sharing becomes more rampant? • **Sri Chandra**, Director, Standards & Technology, South Asia, Institute of Electrical and Electronics Engineers (IEEE)

	• **G S Madhusudhan**, Professor, Indian Institute of Technology, Madras • **Raghav Bharadwaj,** Content and Marketing Manager, TechEmergence • **Wendell Wallach**, Consultant, Ethicist, and Scholar at Yale University's Interdisciplinary Center for Bioethics • **Annabel Lee**, Policy Manager, APAC, BSA | The Software Alliance (Chair)
1620 to 1715	**Ensuring Human Responsibility and Accountability in the Use of Autonomous Systems** Retaining human responsibility for decisions on the use of autonomous weapons has long been considered as a means of both mitigating unpredictability of intelligent machines and ensuring respect for International Humanitarian Law. Questions around human accountability over the development, activation, execution and oversight of these weapons are technologically complex and politically fraught. How can human accountability be retained across the entire life cycle of the weapon system in compliance with applicable international law? Is it enough to protect against the unintended consequences of the blackbox algorithms that weapons rely on? • **Jean-Marc Rickli**, Global Risk and Resilience Cluster Leader, Geneva Centre for Security Policy • **Trisha Ray,** Junior Fellow, Observer Research Foundation • **William Boothby**, Former Deputy Director of Legal Services, Royal Air Force, UK • **Anuradha Saibaba**, Head, IHL Department International Committee of the Red Cross • **C Raja Mohan**, Director, NUS Institute of South Asian Studies (ISAS) (Chair)
1715 to 1730	**Tea/Coffee**
1730 to 1745	**Spotlight Speech: Skilling and AI** • **Tanay Mahindru**, Young Professional, NITI Aayog
1745 to 1840	**Future of Work: Skilling for the Machine Age** Uncertainty over the future of jobs has lurked with every technological leap over centuries but those fears were about the replacement of physical labor alone and immune to cognitive

	function. Now, the tally of potential job destruction is linked to machines' predictive power at scale. For workers to use AI productively, we will require new skills. For firms to do the same, they must go boldly where they fear to tread and recalibrate internal business processes. Experts agree that machine learning is not going to replace managers but managers who know how to use machine learning will replace managers who don't. If that's where the old 'job' ends and the future of work begins, how do we train for it and get it right? Can context and country specific quantitative models be built to analyse the impact of AI on employment? • **Deepthi Ravula**, CEO, WE-Hub • **Pradeep Yammiyavar,** Professor, Indian Institute of Technology Guwahati • **Vasudeva Varma**, Professor and Dean (Research), IIIT Hyderabad • **P. Anandan**, CEO, Wadhwani AI • **Cenk Sidar**, CEO, Global Wonks (Chair)
1840 to 1900	**Closing Session** • **Dhaval Desai,** Vice President, Observer Research Foundation, Mumbai
1900 onwards	**Dinner**