

## DECEMBER 7, 2017: DAY 1

**10:30-11:30 Registration**

**11:30-12:15 Technology Diplomacy: Prospects for India and Japan**

**Speakers** *S. Jaishankar, foreign secretary, Ministry of External Affairs  
Kenji Hiramatsu, ambassador, Embassy of Japan in India*

**Chair** *C. Raja Mohan, director, Carnegie India*

The differing visions of a globally connected world with coordinated policy action, and one where nations pursue an insular policy outlook to safeguard domestic interests, are increasingly being presented as mutually exclusive binaries. Under PM Modi's leadership, India has largely avoided such tradeoffs, following a model of dialogue and cooperation particularly in the technology space. This session will discuss the choices nations face in the era of tech diplomacy, and the challenges ahead.

**12:15-13:20 Beyond the Bullet Train: Shaping Indo-Japanese Collaboration**

The Modi Administration's initiative in leveraging Japanese expertise for the bullet train project could potentially transform collaboration between the two nations. However, mutual trust, comparative competencies, and institutional cultures, are as important as governmental initiatives for the success of any such partnership. This panel shall explore this theme further, through a mapping of narratives of such collaboration and synergy, and learnings and takeaways they offer.

**Speakers** *Masahiro Fujita, professor, VLSI Design and Education Center, The University of Tokyo  
Hideaki Shiroyama, vice director, Policy Alternatives Research Institute  
Sanjeev Sinha, president of the India Japan Partnership Group and adviser to the Indian High-Speed Rail Project  
Teruhide Sato, founder, Beenext  
Ashok Chawla, advisor (Japan), East Asia division, Ministry of External Affairs*

**Chair** *R.K. Misra, nonresident scholar, Carnegie India*

**13:20-13:50 Lunch**

**13:50-14:30 Entrepreneurship, Intrapreneurship, and the Digital Transformation**

Entrepreneurial success in today's digitally powered world is heavily dependent on a community of intrapreneurs within organizations who can take ownership over innovative ideas. The skills necessary to envision change and effect transformation go beyond product development abilities to managing people and designing processes, whether in new-age startups or old economy giants. This conversation shall explore these themes.

**Speakers**    *Ankit Jain, vice president and head of Ola Play, Ola Cabs  
Navneet Kapoor, global head, Maersk GSC*

**Chair**            *Ananth Padmanabhan, fellow, Carnegie India*

#### **14:30-15:45 New Technologies: Business and Security Imperatives**

Existing models of service delivery, financial transactions, information sharing, labour organization, and governance, are undergoing significant overhaul in the wake of technology-powered disruption, keeping policy planners and thinkers on their toes. This panel shall explore coping with policy challenges such as increased security vulnerabilities, automation and the future of work, legacy industries and their continuing viability, and absence of technological access for a significant percent of our population.

**Speakers**    *Sanjaya Baru, secretary general, Federation of Indian Chambers of Commerce and Industry  
Katherine Charlet, director, technology and international affairs program, Carnegie Endowment for International Peace  
Arvind Gupta, director, Vivekananda International Foundation and former Deputy National Security Advisor  
Claude Smadja, president, Smadja & Smadja Strategic Advisory*

**Chair**            *Alok Joshi, chairman, National Technical Research Organisation*

#### **15:45-16:30 Fintech in India: Reaching the Underserved**

Following demonetisation, financial technology has entered mainstream consciousness in India. Millions of Indians made their first digital payments using cell-phones. How will digital platforms like eKYC, eSign, and the Unified Payments Interface impact financial services? Will the greater availability of tax and other financial data drive more competition and innovation in digital finance? This panel will examine these questions from the perspective of consumers, innovators, and policymakers.

**Speakers**    *AP Singh, senior deputy director general, Department of Posts and chief executive officer, India Post Technology Centre  
Bala Parthasarathy, founder and chief executive officer, MoneyTap  
Sashank Rishyasringa, founder and chief executive officer, Capital Float*

**Chair**            *Sahil Kini, principal, Aspada Investments*

#### **16:30-16:45 Special Message to Carnegie India's Global Technology Summit**

**Speaker**          *Suresh Prabhu, union minister for commerce and industry of India (video recording)*

#### **16:45-17:55 The Intellectual Property Bridge: Accessing Global Innovation**

Creating intellectual property is critical to the growth of the knowledge economy. As several innovation leaders suffer from shrinking markets, there are emerging markets desperate to receive the benefits of such innovation. But the demand-supply equilibrium cannot be satisfied unless the intellectual property available in innovator countries can be effectively synchronized with the markets where it can create major social impact. This panel shall deliberate on ways to bridge the intellectual property gap.

**Speakers** *Avi Luvton, executive director for Asia Pacific region, Israel Innovation Authority (video recording)*  
*Sarv Saravanan, corporate senior vice president, Dell EMC*  
*S. Sadagopan, director, IIIT-Bangalore*  
*S.K. Murthy, patent counsel, Intel India*  
*David Keynan, vice chairman, Federation of Indo-Israel Chamber of Commerce*

**Chair** **B.V. Naidu, chairman, Sagitaur Ventures India**

#### **17:55-18:40 Pathways to Innovation Ecosystems**

The last few years have seen a massive increase in entrepreneurial activity, with the surge in startups and venture funding available to them. The Indian Government has also made a conscious effort to understand some of the concerns of startups and respond by way of policies to promote innovation, tax breaks and similar initiatives. This panel realistically assesses where India presently stands, and how she could benefit from other societies that have consciously coded within them an innovative culture.

**Speakers** *Patrick Kilbride, vice president, Global Innovation Policy Center, US Chamber of Commerce*  
*Dana Kursh, consul general, Consulate General of Israel to south of India, Bengaluru*  
*Manji Suzuki, vice president, DENSO International America Inc.*

**Chair** **Shivnath Thukral, director of public policy for India and South Asia, Facebook**

### **DECEMBER 8, 2017: DAY 2**

#### **09:15-09:45 Registration**

#### **09:45-10:05 Emerging Technologies, Evolving Policy Design**

The Government of Karnataka has been a fast mover in providing appropriate policy pushes to new technologies, including the country's first electric vehicles policy earlier this year. Emerging technologies demand new policy thinking from the Government, starting with conscious efforts to

understand startup concerns, R&D shortfalls, and gaps in consumer behavior, and well-designed responses to promote innovation and local manufacturing. This talk shall provide more insights.

**Speaker** **R.V. Deshpande**, *minister for large and medium industries of Karnataka*

#### **10:05-10:30 Technology, Policy, and Governance**

Technology today empowers not only citizens but also governments to do better. Whether it be digital payments, unique identification and biometrics, smart sensors, or open data initiatives, technology can deepen the state-citizen interaction and lead to a more vibrant polity. At the same time, policy plays a major role in ensuring that citizens trust technological interventions and utilize them responsibly.

**Speaker** **J. Satyanarayana**, *chairman, Unique Identification Authority of India*

#### **10:30-11:30 Using Technology for Governance**

Problems associated with policy implementation can be potentially solved through partnerships with the private sector and the use of technology. But to gain maximally from such efforts, both policy makers and executors have to realign their vision and understand the technology space for what it is: a vibrant zone of activity, willing to test, experiment, fail, and learn. This fundamental shift in approach from existing governance models presents both huge opportunities and challenges, as this panel probes.

**Speakers** **Charru Malhotra**, *associate professor, Indian Institute of Public Administration*  
**Arvo Ott**, *head, e-Services, Estonian E-Governance Academy*  
**Osama Manzar**, *founder, Digital Empowerment Foundation*  
**Rohan Samarajiva**, *founder, LIRNEasia*

**Chair** **P.S. Raghavan**, *convenor, National Security Advisory Board*

#### **11:30 -11:40 Coffee**

#### **11:40-12:30 Intelligent and Sustainable Mobility**

India's burgeoning oil import bill, and ecologically unsustainable internal combustion vehicles, have prompted the Centre and some States to explore electric mobility solutions. Cab aggregators have started disrupting traditional means of access and notions of ownership, through user-friendly interfaces and ride-sharing solutions. But all these disruptions require some form of regulatory intervention, depending on the technology and its societal impact. This panel shall explore these issues.

**Speakers** **Arun Malhotra**, *corporate advisor, Nissan Motor India*  
**Christina Bu**, *secretary general, Norwegian Electric Vehicle Association*  
**Mahesh Hariharan**, *chief executive officer, Baghirathi*

**Chair** **Chetan Maini**, *vice chairman, Sun Mobility*

**12:30-13:00 Regulating the New Digital**

The new digital is defined by exponential mobile internet growth, cheaper data, extensive social media activity, cloud computing and data analytics, internet-of-things, self-learning algorithms, and other architectural redesigns. Regulatory thinking on the digital space is however often stuck in the past. How do we redesign and build an optimal framework? This conversation seeks to find answers.

**Speaker** Jeffrey Eisenach, *managing director, NERA Economic Consulting*

**Chair** Nikhil Narendran, *partner, Trilegal Bangalore*

**13:00-13:30 Lunch****13:30-14:40 Navigating Big Data Challenges**

Access to data, and capabilities to analyze the same, redefine the business moat for corporations and governance opportunities for governments. It also raises complex challenges by questioning core assumptions of privacy and reputation. Data crunching algorithms can either be consciously programmed to discriminate, or inadvertently emulate human behavior and prejudices. This panel will deliberate upon these varied challenges, and explore possible policy frameworks to address them.

**Speakers** Ann Cavoukian, *distinguished expert-in-residence and lead, privacy by design centre of excellence, Ryerson University (video recording)*  
Rahul Matthan, *partner, Trilegal Bangalore*  
Vishnu Shankar, *associate, Sidley Austin*  
Rob Sherman, *deputy chief privacy officer, Facebook*  
Sunil Abraham, *executive director, The Center for Internet and Society*

**Chair** B.N. Srikrishna, *former judge, Supreme Court of India*

**14:40-15:10 The Digital Last Mile**

The promise of the digital is enticing from all perspectives – governance, industry, and consumer. But to live up to this promise, there are manifold challenges – digital inclusion, language barriers, geographical access, a hugely price-sensitive market, to name a few. In this milieu, how can dynamic governance, policy making, and entrepreneurship, converge to disrupt last mile access through innovative solutions and faster roll-out? This conversation probes further.

**Speaker** Nivruti Rai, *country head, Intel India and vice-president of the Data Center Group at Intel Corporation*

**Chair** Naganand Doraswamy, *managing director and founder, Ideaspring Capital*

**15:10-15:20 Coffee**

### 15:20-16:10 Building Smart Cities

The Smart Cities Mission, initiated by the Government of India to usher in an era of sustainable urbanization, is a laudable step. However, mission success depends on the ease with which public and private actors can work together, clarity on technical standards, and the ability of the State to sufficiently incentivize innovative ideas and their scaling. This panel explores further.

**Speakers**    *Aamer Azeemi, chief executive officer, Petrus Consulting*  
*Sidhartha Mohanty, director of the technology office, Intel Corporation*  
*Anirban Choudhury, vice president – infrastructure, Andhra Pradesh Aerospace Defence Electronics Park*

**Chair**        *Ravinder Singh, director: strategic and mega business, Dell EMC*

### 16:10-17:15 Governing Modern Biotechnology

Modern biotechnology, covering recent advances in stem cell and embryo research, genetic engineering, and a host of other advances, opens up new vistas. At the same time, both ethical concerns and regulatory ambiguity dominate the space. Can India collaborate with other nations to cope with these challenges, and unlock the innovative potential hidden in this sector? This panel explores further.

**Speakers**    *Taslimarif Saiyed, chief executive officer and director, Centre for Cellular and Molecular Platforms*  
*Gary Marchant, regents' professor, Arizona State University*  
*Shrikumar Suryanarayanan, chairman and co-founder, Sea6 Energy*  
*Anand Anandkumar, chief executive officer, Bugworks Research*

**Chair**        *Vijay Chandru, chairman and managing director, Strand Life Sciences*

### 17:15-17:30 Closing Remarks

**With C. Raja Mohan, Ananth Padmanabhan and R.K. Misra**