Welcome to Carnegie India’s Technology Forum

Carnegie India is delighted to welcome you to the inaugural edition of the Global Technology Summit and India’s premier technology hub, the garden city of Bengaluru.

The Summit is an integral part of our Technology Forum Initiative that brings together technologists, entrepreneurs, academics and policy makers to reflect on rapid technological change and recommend policy measures to harness this transformation for national development. We see this as the first step in the exciting journey of continuous and dynamic interaction among various stakeholders.

We believe the vibrant ecosystem in Bengaluru, home to some of the country’s finest innovators and technology companies, provides an ideal platform for productive discourse on technology policy. In a reflection of the global dimension of the challenges facing us, we are pleased to host participants from more than ten countries.

We thank you for joining us in shaping the future of innovation as we reimagine India’s interconnected world.

Sincerely,

On behalf of the Carnegie India Technology Forum Initiative

C. Raja Mohan
Shivnath Thukral
R.K. Misra
Ananth Padmanabhan
About Carnegie India’s Technology Forum Initiative

Technology transforms. It reshapes the interaction between people, their access to information, goods, and services, and their relationship with governments. From healthcare to agriculture, mobility to finance, not one domain has been left untouched in recent times. A key instrument of soft-power in the relation among nation states today, technology has managed to redraw the balance of power.

Technology rewards. It rewards both innovators and adopters. It presents startups with the golden opportunity to rival and upstage well-entrenched behemoths, redefining the rules of the game in the process. It also paves the path for its early users to revamp their business processes and gain distinctive market advantages through efficiency and agility.

Finally, technology challenges. Through its uprooting of longstanding business practices, established power relations, and dominant industry structures, technology compels regulators to rethink and businesses to reinvent. It also challenges nations to consider how best to promote technology, so that it can continue to transform and reward.

With India’s digital turn as the backdrop, Carnegie India conceptualized this Forum as a platform to understand the unique ways in which technology transforms, rewards and challenges society. As witnessed recently, the new pace of technological innovation promises to overturn existing models of development, the relationship between business and government, the social compact between citizen and state, and the power equations among key nations. We felt the need for a concerted research agenda to provide well-considered responses to the multifarious concerns raised by this frenetic pace of change. Taking this role seriously, Carnegie India curated a guest issue of Seminar, “Digital Dividends”, which brought together some of India’s finest minds to share their insights on technology’s impact on society.

The Technology Forum is the outcome of our desire to create a new framework of engagement that will address the concerns of all stakeholders without hindering technological progress and innovation. This Summit is our first public engagement in this direction, which will continue through the year via quarterly sessions on specific topics. Through the various panels here, this Summit attempts to understand the background conditions required for a national innovation system to flourish. It closely examines the possibility of using the creative and innovative potential of private actors to resolve public problems, the evolving nature of governance as enabled by technological interventions, and the prospect of India’s global partnerships to propel growth and progress. The Summit also delves into the optimal incentive structure needed to encourage technological innovation, and the appropriate regulatory approach to strike a balance between promoting new technologies and sufficiently safeguarding public interest.

We hope to build on the perspectives offered here on each of these themes, and develop them into focused research initiatives for the future. Carnegie India’s Technology Forum Initiative looks forward to more ideas and discussions that can, in turn, help frame better policies and incentives for all stakeholders.
General Information

The Global Technology Summit takes place in the Royal Ball Room at the Leela Palace, which is located at 23, Old Airport Road, Kodihalli, Bengaluru, Karnataka 560006. The suggested attire for conference attendees is business attire.

We request all guests to be seated well in advance of each session. Kindly refer to the detailed agenda in the following pages.

The aim of each session is to encourage lively conversations around their respective themes. Therefore, we have kept the designated lunch and coffee breaks short in duration, but made food and quick bites available at all times during the day for participants to keep up with the engaging discussions.

WiFi is available for all participants. The username and password will be provided at the venue.

We request you to kindly keep your mobile phones on silent, but encourage you to use social media to support and contribute to the conversation. Please use the conference hashtag #GlobalTechnologySummit

We invite you to a gala dinner on the 6th at the terrace of the Leela Palace located on the 1st floor. We sincerely hope you will be able to join us.

For any questions or queries, please approach the organizers wearing Carnegie India badges.

Agenda

December 6, 2016: Day 1

10:30-11:00 Registration
11:30-13:00 The Big Picture
Speakers R.S. Sharma, chairman, Telecom Regulatory Authority of India
S. Jaishankar, foreign secretary, Ministry of External Affairs
Chair C. Raja Mohan, director, Carnegie India
13:00-13:30 Lunch
13:30-14:40 Getting it Right: Harmonizing Regulation and Innovation
As the pace of technological change accelerates, the big question is whether regulators can keep up with innovators. The question acquires a much greater salience in India, given the development potential and the disruptive impact of technology. How are Indian regulators responding to technological transformation in their respective domains? What can we learn from the experiences of other nations?
Chair Pankaj Mishra, editor-in-chief and co-founder, FactorDaily
Panelists Mark Skidmore, former civil aviation regulator, Australia
Rahul Matthan, partner, Trilegal Bangalore
Rajiv Anand, executive director, Axis Bank
Sopnendu Mohanty, chief fintech officer, Monetary Authority of Singapore

14:40-15:10 Internet-of-Things and the Future
Internet-of-things (IoT) is being projected to grow at a blistering pace in the near future. The transformative nature of IoT is, however, matched by its potential vulnerabilities, especially in a developing society like India. How can India take full advantage of the possibilities of IoT?
Speaker Sameer Sharma, general manager, IoT Solutions, Intel
15:10-15:40 Artificial Intelligence: A Natural Pursuit

Artificial Intelligence (AI) surrounds us today; in phones that respond to voice commands, programs that beat humans at chess, algorithms that predict electoral outcomes, robots that assist surgeries, vehicles that drive in urban traffic, and systems that recommend products to customers on e-commerce platforms. How did we get here, and what more can AI do towards shaping the future of our society? What are the policy interventions required for AI to achieve its full potential in a responsible manner?

Speaker Shivaram Kalyanakrishnan, assistant professor, IIT Mumbai
Chair Shivnath Thukral, managing director, Carnegie India

15:40-15:50 Coffee Break

15:50-16:15 Fourth Industrial Revolution

The fourth industrial revolution will see a convergence of technologies that blur long-accepted lines between the physical, digital and biological spheres. Benefiting the providers of intellectual and physical capital, it will usher in supply-side changes by introducing entirely new ways of serving consumer needs and disrupting existing value chains along the way. On the demand-side, growing transparency and consumer engagement will compel companies to innovate the way they design and deliver products and services. What can be done to best prepare for this revolution?

Speaker Ravi Venkatesan, chairman, Bank of Baroda

16:15-16:40 Factories of the Future

The projected growth of industrial Internet-of-Things, enhanced automation, and artificial intelligence portend extremely significant, often unimaginable transformations in manufacturing processes. What are the big advancements in technology reshaping the factories of tomorrow, and how will they change the structure and processes of manufacturing?

Speaker G.N.V. Subba Rao, head of India centre for global R&D, ABB Ltd.

16:40 – 17:40 Killing Jobs or Creating Them: Automation and Employment

Automation and the growth of artificial intelligence will result in digital factories and new IT service business models that might radically change the job market. How do we prepare for that eventuality? How do we square the imperative of job creation in India with the logic of automation? Can government and industry develop a coordinated strategy to generate widespread employment amidst the fourth industrial revolution?

Chair Sharad Sharma, co-founder and governing council member, iSPIRT
Panelists Kiran Mazumdar-Shaw, chairperson and managing director, Biocon
Manish Sabharwal, chairman and co-founder, TeamLease
Wilfried Aubur, managing partner, Roland Berger

17:40-18:10 The ISA Perspective: Space Policy and Innovation

A robust space program integrates multiple technologies - fast computing, efficient data analytics, accurate mapping, advanced materials - to achieve intended outcomes. This amalgam of technologies presents a unique opportunity to encourage technological progress through grand challenges and funding across various fields of technology. What are the emerging technologies that can be propelled by a dynamic and comprehensive space policy and how can the state meaningfully do this?

Speaker Avi Blasberger, director, Israeli Space Agency (ISA)

18:10-18:40 Leapfrogging Legacy: Hyperloop

Hyperloop is an innovative solution to long distance travel and connectivity. If scaled commercially, it has the potential to revolutionize locomotion at minimal cost to the environment. By eliminating the three fundamental things that prevent modern transportation from reaching its full potential – air resistance, friction, and energy dependency on fossil fuels – the Hyperloop seeks to change the way humans think about transportation. Can it redefine the future of transportation by providing a quicker, safer, and more sustainable high-speed backbone for the movement of people and cargo?

Speaker Bibop G. Gresta, chairman, Hyperloop Transportation Technologies
Chair Vishal Gondal, founder and CEO, GOQii

18:45 onwards Cocktails and Dinner
Agenda
December 7, 2016: Day 2

9:30-10:00 Breakfast and Coffee

10:00-10:20 Touching the Moon: Showcasing TeamIndus
Speaker Rahul Narayan, fleet commander, TeamIndus

10:20-10:45 The Future of Computing
The first quantum revolution, which took place at the beginning of the last century, transformed the discipline of physics. Today, humanity is on the border of the second quantum revolution leading to previously unimaginable things like quantum computers capable of solving complex problems in a few seconds in various key sectors, including finance, healthcare, security and defense, and quantum communication channels that are physically impossible to be broken into. Leading information technology companies are working towards the implementation of these technologies. How long will it take for the technology to move out from quantum devices, which are already available in the market, to being a ubiquitous part of IT infrastructure? Why should countries wanting to be technology leaders create special programs to support R&D in quantum technologies? What are the challenges and concerns to be met along the way?
Speaker Ruslan Yunusov, CEO, Russian Quantum Center

10:45-11:40 Making New Markets: Role of Government
The last few years have seen a surge of entrepreneurship in India. Prime Minister Narendra Modi has made a conscious effort to address the special concerns of startups with policy frameworks to promote innovation and improve the ease of doing business. How effective is the Startup India initiative? What more can be done to strengthen public policy in favour of a vibrant innovation ecosystem?
Speakers Bibek Debroy, member, NITI Aayog
Deepanwita Chattopadhyay, chairperson and CEO, IKP Knowledge Park
Nivruti Rai, vice president in Platform Engineering Group, Intel

11:40-11:50 Coffee Break

11:50-12:30 Responsive Government: Role of Technology
Technology can do more than accelerate economic growth. It can help modernise governance—to enhance transparency, standardize processes, and improve efficiency. Is there sufficient recognition of this possibility within political leadership at the national, state and local levels? What practical measures can governments take to better serve citizens and increase civic engagement?
Speakers R.V. Deshpande, Karnataka minister for large and medium industries
K.T. Rama Rao, Telangana minister for information technology

12:30-13:40 Technologies for a “Smart” Future: Enhancing Efficiency and Connectedness
Smart cities have become quite the buzzword as India aims to accelerate urban development and improve living conditions. ‘Smarter’ vehicles, power grids, homes and fuel systems are critical for effectively realizing the vision of smarter cities. How can India leverage innovative technologies like driverless cars, hybrid fuel systems, energy-efficient power grids, and intelligent home appliances to suit the needs of its growing population? How do these innovations impact existing business ecosystems and address longstanding concerns with inefficient, and often times perilous, city infrastructure?
Chair R.K. Misra, founder director, Center for Smart Cities
Panelists Craig Garen, general manager of communication technologies, Intel
Kamal Bali, managing director, Volvo
Ravi Puvvala, founder and CEO, Savari Tech
Vikram Gandotra, general manager (marketing and strategy), Siemens Ltd.

13:40-14:10 Lunch
14:10-15:10 Intellectual Property and Innovation: Emerging Economies and Global Standards

The tension between promoting innovation and protecting the public good is best expressed in debates in India on intellectual property rights (IPR). As technological change impacts more aspects of human activity, how do we transcend the divisive debates on intellectual property standards within and across nations? How can India incentivize innovation, protect the public interest and contribute towards modernizing the international IPR regime?

Chair Ananth Padmanabhan, fellow, Carnegie India

Panelists Nicolas Carboni, chairman and CEO, SATT Conectus
G.S. Madhusudan, principal scientist, IIT Madras
Sarv Saravanan, corporate senior vice president and general manager, Dell EMC

15:10-16:20 Borders and Innovation: Balancing the Internal and External

Technological innovation transcends national boundaries. This has interesting implications for domestic incorporation, the customization of global business models, the infusion of foreign funding, and other possible areas of interaction between the global and the local. How do nation-states negotiate the cross-border character of innovation and its challenges?

Chair Mohandas Pai, chairman, Manipal Global Education

Panelists Anand Rangarajan, engineering director, Google
Bhavish Aggarwal, co-founder and CEO, Ola Cabs
Navneet Kapoor, president and managing director, Target India
Sachin Bansal, executive chairman and co-founder, Flipkart

16:20-16:30 Special Message to Carnegie India’s Global Technology Summit

Speaker M.J. Akbar, union minister of state for external affairs of India (by videolink)

16:30-17:00 Special Address

Speaker Ofir Akunis, minister of science, technology and space of Israel

17:00-18:00 India Rising: From Technological Isolation to Global Partnerships

Technological isolation and regulatory hurdles have stopped India from being an early developer of framework technologies in the past. But economic liberalization in the early 1990s followed by the surge in internet and smartphone use creates a unique situation. The absence of legacy systems, coupled with the presence of a connected market, can potentially spur technology development and innovation within the country at a scale never witnessed before. What are the fundamental organizational changes required to fully capture the promise offered by this situation? Who are the key stakeholders with whom India can collaborate effectively? And what should be the broad terms of such engagement?

Chair C. Raja Mohan, director, Carnegie India

Panelists Ashley J. Tellis, senior fellow, Carnegie Endowment for International Peace
Vijay Chauthaiwale, department of foreign affairs, Bharatiya Janata Party
Ulf Petrusson, director, Center for Intellectual Property, University of Gothenburg
K. Nagaraj Naidu, Joint Secretary (Economic Diplomacy), Indian Ministry of External Affairs

18:00-18:15 Concluding Session

With C. Raja Mohan, Shivnath Thukral, and R.K. Misra
Ram Sewak Sharma, Chairman, Telecom Regulatory Authority of India
@rssharma3

R. S. Sharma joined as Chairman, TRAI in 2015, prior to which he was working as Secretary in the Department of Electronics and Information Technology. His other assignments include Director General & Mission Director of the Unique Identification Authority of India (UIDAI) where he was responsible for over-all implementation of this ambitious and challenging project undertaken by the Government of India for providing Unique Identification (christened as “Aadhaar”) to all its Residents.

Before his posting at UIDAI, Mr. Sharma worked with the Government of Jharkhand as Principal Secretary of the Departments of Science and Technology, Drinking Water and Sanitation, Information Technology (IT), Rural Development and Human Resources Development. As Principal Secretary of the IT Department, Mr. Sharma was responsible for formulation of State policies in the IT and e-Governance areas. He also over-saw the implementation of various e-Governance Projects in all the Departments of the State Government. Mr. Sharma holds a Masters Degree in Mathematics from IIT, Kanpur (India) and another Masters in Computer Science from the University of California (USA).
C. Raja Mohan, Director, Carnegie India

C. Raja Mohan is director of Carnegie India. A leading analyst of India’s foreign policy, Mohan is also an expert on South Asian security, great-power relations in Asia, and arms control. He is the foreign affairs columnist for the Indian Express, and a visiting research professor at the Institute of South Asian Studies, National University of Singapore. He was a member of India’s National Security Advisory Board. From 2009 to 2010, Mohan was the Henry Alfred Kissinger Chair in Foreign Policy and International Relations at the Library of Congress. Previously, he was a professor of South Asian studies at the Jawaharlal Nehru University in New Delhi and the Rajaratnam School of International Studies in Singapore. He also served as the diplomatic editor and Washington correspondent of the Hindu. Mohan’s most recent books are Modi’s World: Expanding India’s Sphere of Influence and India’s Naval Strategy and Asian Security.

Subrahmanyam Jaishankar, Foreign Secretary, Ministry of External Affairs

S. Jaishankar assumed his responsibilities as Foreign Secretary of India in 2015. He has more than three decades of diplomatic experience. Joining the Indian Foreign Service in 1977, he has represented India’s interests and fostered friendly working relationships in countries around the world.

His first postings abroad were as Third and Second Secretary (Political) at the Embassy of India in Moscow from 1979 to 1981. From 1981 to 1985, he served as Under Secretary (Americas) and Policy Planning in the Ministry of External Affairs. He then spent three years from 1985 to 1988 as First Secretary handling political affairs at the Indian Embassy in Washington, DC, followed by two years as First Secretary and Political Advisor to the Indian Peace Keeping Force (IPKF) in Sri Lanka. He holds a Ph.D. and M.Phil. in International Relations and M.A. in Political Science. He is a member of the International Institute for Strategic Studies in London.
Mark Skidmore, Air Vice Marshal (Retd.) and Director, Swift Aerospace Consulting Pty Ltd.

Air Vice Marshal (retd) Mark Skidmore AM was Director of Aviation Safety, Civil Aviation Safety Authority from January 2015 until October 2016. He has more than 30 years' experience in both civilian and military aviation. He had an outstanding military aviation career, beginning as a pilot in the Royal Australian Air Force in the early 1980s. He led RAAF research and development squadrons and was promoted to Australia’s Air Commander, holding oversight for Australia’s air operations, and reaching the rank of Air Vice Marshal before retiring in 2012. He has also worked in civilian aviation as a senior test pilot, business development manager and company director. He has led large teams of operational, technical and administrative support staff providing leadership for operational, training and support functions.

In 2010 Mark was appointed as Member of the Order of Australia in recognition of his exceptional service as the Air Commander Australia and in a range of other senior appointments. Today he is part of the general aviation community, owning and regularly flying a Globe GC-1B Swift.

Getting it Right: Harmonizing Regulation and Innovation

Pankaj Mishra, Editor-in-Chief and Co-Founder, FactorDaily @pankajontech

Pankaj Mishra is the editor in chief and co-founder of FactorDaily, a new age media startup making sense of technology and its impact on Indians. FactorDaily focuses on stories from intersection of technology and life in the country. He is an award-winning journalist tracking entrepreneurship, technology and business since 2000. He’s held top editorial positions at The Economic Times, Mint and TechCrunch in past assignments.
An executive director with Axis Bank, Rajiv Anand heads the retail banking business. He has led the digital transformation journey making Axis Bank a widely recognized leader in technological innovation which can be testified through its pioneering launches on social payments, integrated wallets as well as a best-in-class banking app that incorporates features like augmented reality and locker booking.

Over a career spanning more than 25 years, he has focused on various facets of the financial services industry having held key management positions at leading global financial institutions. He is widely recognized for his strengths in capital markets and successfully building new businesses to scale. He joined the Bank in 2013 from its asset management arm, Axis Asset Management Co. Ltd., where he was the Managing Director and CEO.

Rahul Matthan, Partner, Trilegal Bangalore
@matthan

Rahul Matthan is a partner with Trilegal and heads its TMT practice. He currently serves on the management committee of the firm. He has advised on some of the largest technology and telecom acquisitions in the country. He advises domestic and international corporations on a wide range of regulatory issues in relation to privacy, map regulation, fintech, encryption, spectrum regulation, e-commerce, sharing economy, biotech, and digital content and streaming media. He has been included in The Mint newspaper’s list of 25 People who Matter in Indian E-Commerce.

Rahul has been involved in a number of policy initiatives including assisting the government in preparing the country’s privacy law as well as its Unique ID law. He is currently a member of the Reserve Bank of India’s Committee on Household Finance. He is a frequent speaker and has a weekly column on issues at the intersection of law and technology.
Sameer Sharma, General Manager, IoT Solutions, Intel

Sameer Sharma is the General Manager (New Market Development) for IoT Solutions at Intel. He leads a global team that drives new growth categories for Intel in IoT such as Smart City Services, Connected Lighting and Environmental Monitoring. His team focuses on pursuing and incubating new revenue streams and establishing leadership across the IoT segment. He is a thought leader in IoT and Mobile ecosystem and has driven multiple strategic initiatives over the past 17 years.

At Intel, he has played leadership roles including Global Chief of Staff for Intel Mobile Communications Group, where he led strategy. During this time, he helped launch the first Intel Global LTE modem, first Intel-based smartphone in the US and helped grow Intel-based tablet volume by 3X. Sameer has an MBA from The Wharton School at UPenn, and a Masters in Computer Engineering from Rutgers. He holds 7 patents in the areas of IoT and Mobile.

Sopnendu Mohanty, Chief FinTech Officer, Monetary Authority of Singapore
@sopnendu

Sopnendu Mohanty is responsible for creating development strategies and regulatory policies around technology innovation to “better manage risks, enhance efficiency and strengthen competitiveness in the financial sector”. Prior to joining the MAS, he was with Citibank as their Global Head of the Consumer Lab Network and Programs, which included driving innovation programs and managing innovation labs across multiple geographies globally.

Mohanty has spent 20 years in the APAC region and held various roles in technology, finance, productivity, and business development. He was Citibank’s APAC regional head of Branch operations along with heading the Consumer Innovation Lab in Singapore. He spent a significant time in Japan, where he was Citibank’s Retail Business Development head. Globally, he played a significant subject matter expert role in driving Citibank's global smart banking program, to transform the bank’s physical network to a digital first, smart and innovative, client centric and highly delightful customer engagement center.
Shivnath Thukral, Managing Director, Carnegie India

Shivnath Thukral is the Managing Director of Carnegie India responsible for the center’s outreach and maximizing its impact. He also oversees operations, including coordination with Carnegie’s global network and fundraising. He has been a speaker at numerous global events including the World Economic Forum and the Milken Institute conference.

Thukral spent the first fifteen years of his career with New Delhi Television Limited, India’s premier TV news channel. He was the channel’s leading face for business news and policy analysis and also established the business channel NDTV Profit in 2003 where he was the managing editor. Prior to joining Carnegie, he worked as the group president of corporate branding and strategic initiatives at Essar. He led its marketing efforts, including strategic and digital communications for the group across the world.

Artificial Intelligence: A Natural Pursuit

Shivaram Kalyanakrishnan, Assistant Professor, IIT Mumbai

Shivaram Kalyanakrishnan is an Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology Bombay. His research interests include artificial intelligence and machine learning, spanning topics such as sequential decision making, multi-agent learning, multi-armed bandits, and humanoid robotics. He received a Ph.D. in computer science from the University of Texas at Austin. Subsequently he was a Research Scientist at Yahoo Labs Bangalore and an INSPIRE Faculty Fellow at the Indian Institute of Science, Bangalore.

His contributions to robot soccer have received two Best Student Paper awards at the annual RoboCup competitions. He was also a member of the first study panel of the One Hundred Year Study on Artificial Intelligence (AI100), which recently released its report titled “Artificial Intelligence and Life in 2030.”
GNV Subba Rao is the Managing Director of ABB Global Industries and Services Private Limited comprising of Engineering center, Research & Development and Global Business Service Centre (GBS) catering to electrical products, Discrete Automation and Motion, Process Automation and Power Grids. In March 2015, he started working as the Global Functional Engineering Head for the Process Automation (PA) Division. In this role, he has been working on the white collar productivity (WCP) program for Engineering in PA Division globally and also process improvements in the engineering function.

He has introduced a number of processes and tools with which engineering efficiency is now set to by 20% globally for the PA Division. He has been involved in assignments that cover almost all the aspects of business. Experience covers sales, business development, product management, channel management, factory management, Local Business Unit management, Engineering and Project management and Local Division management.

Ravi Venkatesan is the Chairman of the Board at Bank of Baroda. He is also the founder Chairman of Social Venture Partners India, a partner at Unitus Seed Fund and a fund advisor at Kalaari Capital. Prior to this, as Chairman of Microsoft India between 2004 and 2011, Ravi helped build India into Microsoft’s second-largest presence in the world. He was instrumental in creating Microsoft India’s Project Shiksha, a computer literacy program which has so far trained over 40 million school children in India.

He is a recipient of the Indian Institute of Technology Bombay’s Distinguished Alumnus Award and Purdue University’s Distinguished Engineering Alumnus Award. He was voted as one of India’s best management thinkers by Thinkers50. He brings experience in corporate leadership, globalization, innovation and private sector approaches to social change in addition to a deep understanding of the political economy of India.
Kiran Mazumdar-Shaw, Chairperson and Managing Director, Biocon
@kiranshaw

Kiran Mazumdar-Shaw, a pioneering biotech entrepreneur, is the Chairperson and Managing Director of Biocon, Asia’s leading biopharmaceuticals enterprise. Named in TIME magazine’s among 100 most influential people in the world, she is recognized as a global thought leader for Biotechnology. She has recently been appointed ‘Knight of the National Order of the French Legion of Honour’ by the government of France for her outstanding contribution to the world of biosciences. She has several global recognitions to her credit, some of them being ‘Othmer Gold Medal’ by the Chemical Heritage Foundation, USA, and the ‘Global Economy Prize for Business’ by Kiel Institute for the World Economy, Germany. She is also ranked among the most influential visionaries in ‘The Worldview 100 List’ and ranked No. 2 on ‘The Medicine Maker Power List’ 2015. The most coveted of her recognitions are Padma Shri (1989) and Padma Bhushan (2005), India’s highest civilian honors.

Kiran is also the Chairperson of the Board of Governors of the Indian Institute of Management, Bangalore and an Independent Member of the Board of Infosys.

Killing Jobs or Creating Them: Automation and Employment

Sharad Sharma, Co-founder and Governing Council Member, iSPIRT Foundation
@sharads

Sharad Sharma has over two decades of experience in the Internet, Enterprise Software and Infrastructure markets and is a prominent voice in the entrepreneurial ecosystem. He has co-founded iSPIRT, a think tank focused on building the software product ecosystem in India. He has also chaired the Product Forum at NASSCOM. Prior to this, he headed Yahoo India R&D where he led product engineering for all emerging markets and some global products. He has also held senior R&D role at VERITAS, Symantec, Lucent Technologies and AT&T. He was given the R&D Visionary Award by Zinnov in 2008.

Sharad co-founded Teltier, a wireless infrastructure startup now part of CISCO and is an active technology angel investor through LetsVenture. He was the Chairperson of the IEEE Student Chapter while at the Delhi College of Engineering, and started the Minicomputer Club.
Wilfried Aulbur, Managing Partner, Roland Berger

Wilfried Aulbur is the Managing Partner of Roland Berger in India and heads Roland Berger’s Asia Automotive Practice. He is the Chairman of Roland Berger Middle East and Africa and a member of Roland Berger’s Supervisory Board. He is the Chairman of the National Automotive Council of ASSOCHAM and the Chairman of the Indian Council on Competitiveness, a sister organization of the US Council on Competitiveness. He is a lecturer at Harvard Business Publishing and a mentor for the International Innovation Corps of the University of Chicago.

Prior to his work with Roland Berger, Wilfried was the Managing Director and CEO of Mercedes-Benz India where he was responsible for passenger cars, trucks and buses. Before that, he held various positions with Daimler in Europe, the US and India. He holds a PhD in Physics with a focus on Computational Material Science.

Manish Sabharwal, Chairman and Co-Founder, TeamLease

Manish is currently the Chairman and co-founder of TeamLease Services, India’s largest staffing and human capital firm. TeamLease has over 130,000 employees in 5000 cities and is implementing India’s first vocational university in Gujarat and first national PPP apprenticeship program. The company has hired 1.4 million employees in the last 10 years. In 1996 he co-founded India Life, an HR outsourcing company that was acquired by Hewitt associates in 2002. Consequently, he was CEO of Hewitt Outsourcing (Asia) in Singapore.

Manish is a member of the National Skill Mission chaired by the Prime Minister and serves on various state and central government committees on education, employment and employability. He is a columnist for the Indian Express and got his MBA from The Wharton School in 1996. Manish is also an alumni of the Shriram College, Delhi and Mayo College, Ajmer.
The ISA Perspective: Space Policy and Innovation

Avi Blasberger, Director of the Israeli Space Agency (ISA), Ministry of Science, Technology and Space

Between 2014 and 2016 Avi has consulted to Samuel Neaman Institute in space policy and served as the secretary of the space committee of the National Council for R & D. During that period Avi studied for PhD. in Astrophysics. Between 1982 and 2014 Avi held various positions at Elbit Systems Electro-Optics, among them he was the General Manager of Elbit Security Systems, prior to that he served as the VP, Director of Air and Space IMINT Division at Elbit Electro-Optics systems (ELOP) which was responsible for all Elbit's EO space systems, long range airborne reconnaissance systems and hyperspectral systems.

Avi Blasberger is graduate of B.Sc. and M.Sc. from Ben Gurion University in Mechanical engineering in 1980 and 1982 respectively and the Executive Management Business Administration degree from the University of Tel Aviv in 1996.

Leapfrogging Legacy: Hyperloop

Bibop G. Gresta, Chairman and COO @BibopGGresta

Bibop Gabriele Gresta, global expert in finance, transportation and media, specializes in mass market community building and project design. He is a world-renowned speaker, featured at the World Economic Forum, The United Nations, Ted Talks, and other global conferences, and is now focused on transportation and human mobility. He is a respected activist in Transhumanism and Ethical Entrepreneurship.

In 2014 Gresta partnered with Dirk Ahlborn, CEO and co-founder of Jump Starter, Inc. as COO and Chairman for Hyperloop Transportation Technologies, Inc. Now, as Chairman, he coordinates a team of 600+ professionals in 40+ countries – the first on the globe to begin development of the Hyperloop™.
Vishal Gondal, Founder and CEO, GOQii
@vishalgondal

Vishal Gondal started his entrepreneurial journey at the age of 16 founding IndiaGames and is best known as the Father of the Indian Gaming Industry. Having taken the company to amazing heights, in 2012, IndiaGames was acquired by the Walt Disney Company, post which he served as Managing Director Digital, Disney UTV. He is also a notable Angel Investor. Vishal was listed among the top 50 executives in the mobile content space by the UK based ‘Mobile Entertainment’ Magazine.

He enjoys running Marathons, Ultras, trekking and Sky Diving. His love for the outdoors dates to his growing years when he was a national level volleyball player. Vishal is a long-time TEDster, gadget and gizmo freak and a judge on two television shows ‘The Pitch’ on Bloomberg TV and ‘Your Wish is my App’ on NDTV. His passion for technology, fitness and gaming led him to his next venture GOQii which is focused on helping people make a change towards a healthier lifestyle and be the force of good. He is currently the Founder and CEO of GOQii Technologies Pvt. Ltd. and works out of the office in Mumbai.
Ruslan Yunusov - CEO, Russian Quantum Centre

Ruslan Yunusov, a successful executive with 10 years of experience in the oil and gas industry, as well as in companies with investment and innovation profile. He graduated with a degree in physics at Lomonosov Moscow State University. At the Russian Presidential Academy of National Economy and Public Administration, Ruslan successfully qualified as an economist with a degree in finance and credit. He has about 15 publications on topics of physical science and financial economics. 10 advanced scientific laboratories were built from ground up under his leadership in the Russian Quantum Centre. 10 research groups at this Centre, headed by leading scientists from all over the world, have launched 6 technological projects and attracted more than $30 million of investments.

Rahul Narayan, Fleet Commander, Team Indus

Rahul Narayan is the heart and soul of TeamIndus. While he used to dabble in Infotech businesses most of his life, the space enthusiast in him has now taken over. Rahul keeps the TeamIndus flock together, moving the pieces for the moonshot.

Rahul has been a serial entrepreneur in Information Technology and Software Engineering with expertise in diverse range of technologies across multiple industry verticals and has extensive experience in systems design, development.

Rahul has always dreamt of doing something that changed the world for the betterment of mankind. When he first heard of the Moon mission, he says that he immediately felt this was what he was meant to do in his life.
Deepanwita Chattopadhyay, Chairperson and CEO, IKP Knowledge Park

Deepanwita Chattopadhyay, Chairperson and CEO of IKP Knowledge Park is responsible for developing the first Life Science Research Park in India and establishing a sustainable innovation and knowledge cluster around a science park through a Public-Private Partnership model. She has deep interest in entrepreneurship, incubation and institution building.

She is the Founder Chairman of Support Elders Pvt. Ltd., a startup committed to providing integrated care for the elderly. She serves as a Director on the Board of IKP Investment Management Company Pvt. Ltd. She is a Member of the Governing Body of the National Institute of Immunology, Lucknow Biotech Park, CII National Committee on Biotechnology and DBT Committee of Biotech Parks. She is an Executive Council Member of the Society for Technology Managers (STEM). She also served as an international Director on the Board of the International Association of Science Parks.

Bibek Debroy, Member, NITI Aayog

Mr. Bibek Debroy is a renowned Indian academician, author and economist. He has authored several books, papers and popular articles and has been a consulting/contributing editor with several newspapers.

Mr. Debroy was educated at Ramakrishna Mission Narendrapur, Presidency College of the University of Calcutta, Delhi School of Economics and Trinity College, Cambridge. He has worked at National University of Singapore, Centre for Policy Research, PHD Chamber of Commerce and Industry, Rajiv Gandhi Institute for Contemporary Studies, Indian Institute of Foreign Trade, Gokhale Institute of Politics and Economics, and the Presidency College, Kolkata.

He has worked with several arms of the Government serving as a Consultant to the Department of Economic Affairs, member of the Chief Minister’s Economic Advisory Council in Rajasthan, member of the National Manufacturing Competitive Council and Chairman of the High Powered Committee set up by the Ministry of Railways to restructure Indian Railways.

Making New Markets: Role of Government

Bibek Debroy, Member, NITI Aayog

@bibekdebroy

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Responsive Government: Role of Technology

Nivruti Rai, Vice President in Platform Engineering Group, Intel Corporation,
GM Intel India
@rnivruti

Nivruti Rai is Vice President in the Platform Engineering Group at Intel Corporation and General Manager Intel India, leading development and operations for Intel India. Based in Bangalore, India, she also leads the organization developing innovative analog and mixed-signal intellectual property (IP) blocks and IP subsystems for Intel’s system-on-chip (SoC) products. Rai also leads the organization’s verification team across the United States, Costa Rica, Israel, Malaysia and India, and she manages machine learning and computer vision soft IP development for the Emerging Technologies Group in India.

She became a principal engineer in 2003 and led work on microprocessor memory architecture using ECC to reduce operating voltages and conserve chip power. She managed R&D of mobile platform technologies used for handheld and laptop computers in India. In 2013, her team participated in an Intel Achievement Award for contributing to the development of the Minute Intel® architecture core.

Deshpande was the President of the Karnataka State Co-operative Agriculture and Rural Development Bank. He has served as the Minister of State for Small Scale Industries, Agriculture Housing and Urban Development, Large and Medium Industries and Infrastructure Development and Co-operation. He pioneered the concept of Global Investors Meet with Karnataka being the first state to host “Global Investors Meet” in 2000.

It was under his leadership as Industries Minister that Karnataka successfully concluded recently held “Invest Karnataka-2016” and state has emerged as the most sought after investment destination in India fetching first position among states in the country. He took a number of initiatives for the development of MSMEs, Power, Steel, Transportation, Seaports, Aerospace, Pharmacy, Agro and Food Processing, Tourism, Nanotechnology, Robotics and many more. He is at the forefront of Karnataka’s Start up policy. His mission is to make Karnataka the most business-friendly state in India.
Technologies for a “Smart” Future: Enhancing Efficiency and Connectedness

R.K. Misra, Founder Director, Center for SMART Cities
@rk_misra

RK Misra currently leads the Center for SMART Cities, a knowledge bank and repository of best practices in the areas of planning, designing and managing Smart Cities. Center for SMART Cities has several leading global institutions and organization as its knowledge and technology partners.

He is a graduate from IIT Kanpur and a post-graduate from Tokyo University in Urban Planning and Transport Management. He was part of the core team which designed New Tokyo Smart City and its SMART transport system including “Yurikamome”. After his return to India in 1995, he founded Tenet Technologies, Tenet Telecom and Tenet Retail. In 2005, he started engaging with issues of Public Policy and Governance. In 2006 he founded SAHYOG-Indian Council for Public Private Partnership. His focus areas are “Revival of Urban Centres as Economic Growth Engines” and to provide “Livelihood Opportunities for Rural Poor”.

Kalvakuntla Taraka Rama Rao, Cabinet Minister for IT E&C, MAUD, Industries & Commerce, Mines & Geology, Public Enterprises
@KTRTRS

Kalvakuntla Taraka Rama Rao, Cabinet Minister for IT E&C, MAUD, Industries & Commerce, Mines & Geology, Public Enterprises and NRI Affairs has been representing Sircilla Assembly Constituency since 2009. He has been putting relentless efforts in streamlining the assigned portfolios. As an IT Minister, he has come up with omniscient vision to cater the multi-dimensional requirements of the IT industry. Several complementary initiatives are launched under his noble leadership to address the needs of the industry.

His vision is to build Hyderabad as the largest center for startups and entrepreneurship activities in India, called T-HUB. The sole target of this prestigious project is to have Tech Ecosystem in Hyderabad and nurture the young and dynamic people as entrepreneurs. He has set up Telangana Academy for Skill and Knowledge (TASK) to produce enough number of readily employable graduates in Telangana by improving their skills and knowledge. This initiative would bridge the gap between the industry expectations and the available skillset. He envisions Hyderabad as the first Wi-Fi enabled city in India, and thus promoting Hyderabad as a Global Lifestyle Destination.
Ravi Puvvala, Founder and CEO, Savari Technologies Pvt Ltd
@ravipuvvala

Ravi Puvvala is the Founder and CEO of Savari Tech. Savari seeks to make the world’s roadways smarter and safer by deploying advanced wireless sensor technologies and software for V2X environments to support a growing portfolio of self-driving vehicles. With more than 150 man-years of V2X learning and development and 15 million-plus miles per year of public testing, Savari is the leader in V2X technology. It is headquartered in Santa Clara, Calif., and has offices in Detroit, Mich., Seoul, Korea and Bangalore, India. Prior to Savari, he was part of many Silicon Valley based startup companies that were acquired by multi-national companies.

Mr. Puvvala has been involved as a consultant to automotive consortiums in US and Europe, and an advisor to university research centers and startup incubation centers in the transportation space. He is an avid speaker at various conferences on the topic of future of connected cars.

Craig J. Garen, General Manager of Communication Technologies, Connected Home Division, Intel

Craig J. Garen has been an industry leader in the development of advanced communication solutions for over 30 years. He currently holds the position of General Manager of Communications Technologies in the Connected Home Division of Intel. Prior to this, he was Sr. Vice President for R&D at Lantiq (acquired by Intel in 2015). He also served as Chief Operating Officer of Ikanos Communications, Inc and prior to its acquisition by Ikanos as Senior Vice President and General Manager of the Broadband Access business unit of Conexant Systems Inc.

Mr. Garen started his career at AT&T’s Bell Labs, where he was part of the team that designed one of the industry’s first DSP chips. He earned a Bachelor’s degree in Electrical Engineering from Lehigh University, a Master’s degree in Electrical Engineering from Stanford University, and an MBA from Lehigh University.
Kamal Bali, Managing Director, Volvo

With an illustrious career spanning over three decades, predominantly in the automotive industry, Kamal has worked for well-known Indian brands and established multinational corporations in India. He has had an insightful experience in the functional areas of sales, marketing and supply chain, before taking over P&L responsibilities in the year 2002.

An engineering graduate from the Indian Institute of Technology (IIT) and an alumnus of St. Joseph’s Academy Dehradun, Kamal began his professional career as a management trainee with the Eicher Group in 1981. Later, he headed the National Sales function for Escorts’ Tractors and Claas Harvesters, followed by the position of CEO and Managing Director for an Italian Tractor MNC in India. Prior to spearheading the Volvo Group in India, Kamal was working as President and CEO of Singapore Technologies (STK) in India, establishing the brand LeeBoy.

Vikram Gandotra, General Manager (Marketing and Strategy) EA, Siemens Ltd.

Vikram Gandotra is recognised in the Power T&D industry for his work of introduction of newer technologies with power utilities for bringing about significant improvements in their operations. He works at Siemens Ltd, Gurgaon where he heads the Marketing and Strategy group for Digital Grid Business Unit. He has degrees in Electrical Engineering and Business Administration. He has a rich experience covering all areas in the Power Transmission and Distribution domains. He has worked on several projects for improvement of the distribution networks of power distribution utilities in India and abroad.

He dreams of seeing the Indian industry play a leading role in the global smart grid community and chairs the Smart Grid Division of IEEMA (Indian Electrical and Electronics Manufacturers Association, which has over 800 members). He is a member of several industry groups including the Working group on Smart Grids for capacity building of Utilities developed under USAID-PACE D.
Nicolas Carboni, Chairman and CEO, SATT Conectus

Nicolas Carboni is Chairman and CEO of Conectus Alsace inc., one of the leading Technology Transfer Offices in France. Created in the framework on “Investing for the Future” program in 2012, Conectus Alsace has secured over 36M€ to invest in intellectual property and “proof of concept”. Today, Conectus manages all IP and technology transfer activities for all public research laboratories in Alsace, representing currently a 20M€ investment portfolio. Beyond this investment and licensing activity, Conectus Alsace develops and manages collaborative research projects between private companies and Alsatian public research laboratories.

Nicolas is the Chairman of Réseau C.U.R.I.E., the French national association of public research valorisation and technology transfer professionals, federating over 180 Public Research Organizations in France and over 1200 individual members. Nicolas is currently Board member of a leading biotech developing innovative cell therapies, as well as Board member and Vice President of a contract research organisation.

Ananth Padmanabhan, Fellow, Carnegie India

Ananth Padmanabhan is a fellow at Carnegie India, based in New Delhi. His primary research focus is technology, regulation, and public policy, and the intersection of these three fields within the Indian context. He has authored India’s leading treatise on intellectual property rights, entitled Intellectual Property Rights: Infringement and Remedies, and a number of book chapters including in the latest Oxford Handbook of the Indian Constitution. He is a regular contributor to leading Indian newspapers including the Indian Express and Business Line.

Previously, Padmanabhan practiced law in the Madras High Court, and taught at various institutions including the National Law University, Jodhpur, and the National Law School of India University, Bangalore. He holds a master’s degree in law from the University of Pennsylvania Law School, and is currently enrolled in their doctoral program on a non-resident basis.
Sarv Saravanan. Corporate Senior VP and General Manager, India COE, Dell EMC
@sarvsaravanan

Sarv is a technology industry leader with more than 25 years of experience in incubating and scaling businesses. At Dell EMC, Sarv drives the strategy and operations for India Center of Excellence (COE) and is responsible for advancing the company’s global vision and leadership in Cloud Computing, Big Data and Trusted IT. His role encompasses driving Global R&D, Product Development and Service Delivery for the global markets, accelerating local innovation through superior customer experience, building products and service offerings for emerging markets as well as influencing revenue growth in high growth markets.

Sarv has a Masters in Computer Sciences. He is an avid golfer and active in startup ecosystem as angel investor. He is very passionate about community activities and contributes to the cause of educating under-privileged children. He strongly believes in the power of technology for accelerating sustainable socio-economic development.

G.S. Madhusudan. Principal Scientist, IIT Madras

With over 30 years of global experience of creating start-ups, engineering diverse IT systems, managing R&D labs, developing marketing strategies and managing sales, G.S. Madhusudan is a leading technology entrepreneur and management advisor.

Madhu, as he is fondly called, leads the Consulting Practice of Unotech. He is also the founder of Macaque Labs, a non-profit research organization focused on evangelizing Open Source initiatives. He works closely with various industry bodies and IDRBT to encourage Open Source adoption in the BFSI sector. He coordinates Systems Architecture Research effort in the R.I.S.E. group at IIT Madras, and is the technical and management advisor to several banks, industry consortia, security labs, consulting organizations, and various e-Governance projects.
Anand Rangarajan, Engineering Director, Bangalore Site Lead at Google
@mailanand

Anand joined Google in California in 2008 and worked in Enterprise, Gmail Ads and YouTube in Mountain View before moving to Bangalore in Aug 2013. In prior life, he has spent approximately ten years designing, coding, and managing teams working in various aspects of Computer Networking.

He fondly remembers the day when his startup Sahasra Networks was acquired by Cypress Semiconductor. He completed his Bachelor’s from IIT Madras and Master’s from Stanford University. He enjoys playing chess, solving word puzzles, running, and listening to Indian classical music. He and his cofounder enjoy nurturing their 2 startups aged 8 and 5.

Mohandas Pai, Chairman, Manipal Global Education
@TVMohandasPai

Pai is a Padma Shri Awardee, Karnataka Rajyotsava Awardee, and former CFO and Board Member at Infosys. He is also the co-founder of Akshaya Patra, the world’s largest mid-day meal program, and works actively with government and regulators on policy recommendations and guidelines. He has served as a Board Member of SEBI and is now a Board Member of the National Stock Exchange in India.

He has emerged as one of India’s most prolific angel investors. He has helped launch over 14 different funds in venture, growth, and public markets. He is also the Chairman of a private equity fund - Aarin Capital - that invests in life sciences and education companies.

Borders and Innovation: Balancing the Internal and External
Navneet Kapoor, President and Managing Director, Target India
@navrajkapoor

Navneet Kapoor is the President and Managing Director for Target India, a fully owned subsidiary of Target Corporation. He leads over 2,900 talented team members who focus on all key functional areas associated with the retail business: technology, e-commerce, analytics and reporting, merchandising, marketing, finance and property development, among others. Prior to joining Target, he spent about 10 years with GE in New York - USA, Bangkok - Thailand, Tokyo - Japan and Gurgaon – India.

Navneet received his Ph.D (Chemical Engineering) and M.S (Electrical Engineering) degrees from the University of Minnesota, USA, an MBA from the University of Chicago, USA and a Bachelor’s degree in Chemical Engineering from IIT Kanpur, India. He has several patents to his name, has published numerous research articles in various referred journals like IEEE and has presented his research at numerous conferences.

Bhavish Aggarwal, CEO and Co-Founder, Ola
@bhash

Bhavish Aggarwal is the CEO and Co-founder of Ola. He is an alumnus of IIT - Bombay and worked with Microsoft Research for two years, where he filed 2 patents and published 3 papers in international journals. He started Ola in December 2010, along with Ankit Bhati with a mission to build mobility for Indians. With over 76% market share in India, Ola is the most preferred transportation platform with a wide range of mobility options ranging from auto-rickshaws to business class vehicles as well as shared mobility innovations like Ola Share and Ola Shuttle.

Bhavish was most recently recognized by CNBC TV18, as one of the Young Turks e-Vangelists, 2016 and also featured in the Forbes India list of 30 under 30. Ola has also been widely recognized with national and global awards viz. The World Economic Forum: Global Growth Companies; Frost & Sullivan Innovation in Transportation Award; Forbes India Leadership Award for Outstanding Startup; Economic Times Startup of The Year Award; VC Circle Consumer Internet Company of the Year; Business Standard Startup of the Year; NDTV – Unicorn of the Year amongst others.
Special Message to Carnegie India’s Global Technology Summit

MJ Akbar, Minister of State for External Affairs and Member of Parliament @mjakbar

M. J. Akbar was inducted in the Union Cabinet since July 2016. He is a distinguished writer who has authored several internationally acclaimed books, mainly on the Indian subcontinent’s complex history and the turbulent interaction between faith and definitions of nationalism. He has also had an illustrious career as a journalist and editor. In 1976, he launched, as Editor, India’s first weekly political news magazine, Sunday, and two daily newspapers: The Telegraph in 1982 and The Asian Age in 1994.

His contribution to contemporary debate has been widely acknowledged. Among other things, in 2004, he was named a member of the Forum of Islamic Scholars and Intellectuals set up by Saudi Arabia’s King Abdullah to draft a ten-year charter for Muslim nations at a special conference in Mecca. In March 2006, he joined The Brookings Institution in Washington, as a Visiting Fellow in the Brookings Project on U.S. Policy towards the Islamic world. He also serves as Chairman of the trust for the Calcutta Muslim Orphanage.

Sachin Bansal, Executive Chairman and Co-founder, Flipkart @sachinbansal

Sachin Bansal is the Executive Chairman and Co-Founder of Flipkart, which is India’s largest e-commerce market place with over 60% share of mobile commerce in India. Flipkart has been ranked by Wall Street Journal among the 10 most valuable startups in the world. In 2013, Sachin was recognised as ‘The Entrepreneur of the Year’ in the Economic Times Award for Corporate Excellence. Sachin was also awarded the ‘NDTV Indian of the Year award’ in 2016.

Sachin led Flipkart as a CEO from its inception in 2007 till 2015 and, in 2016 he took over as the Executive Chairman. Sachin is actively involved in leading and mentoring the startup and internet ecosystem in India and is an angel investor in several technology startups.

Sachin Bansal. Executive Chairman and Co-founder, Flipkart

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India Rising: From Technological Isolation to Global Partnerships

Ashley J. Tellis, Senior Fellow, Carnegie Endowment for International Peace

Ashley J. Tellis is a Senior Fellow at the Carnegie Endowment for International Peace specializing in international security, defense, and Asian strategic issues. While on assignment to the U.S. Department of State as senior adviser to the undersecretary of state for political affairs, he was intimately involved in negotiating the civil nuclear agreement with India. Prior to his government service, Tellis was senior policy analyst at the RAND Corporation and professor of policy analysis at the RAND Graduate School.

He is the author of India’s Emerging Nuclear Posture and co-author of Interpreting China’s Grand Strategy: Past, Present, and Future. He is the research director of the Strategic Asia Program at the National Bureau of Asian Research. He is a member of several professional organizations related to defense and international studies including the Council on Foreign Relations, the International Institute of Strategic Studies, the United States Naval Institute, and the Navy League of the United States.

Special Address

Ofir Akunis, Minister of Science, Technology and Space, Israel

Ofir Akunis views on political and security issues place him in the right wing of Likud Party. He currently serves as a member of the Knesset on behalf of the Likud Party and Minister without portfolio. As Minister of Science he has played an emphasis on improving access to science and technology in the periphery of Israel. He supports numerous projects aimed at this goal, such as the Lehava program for digital literacy, which provides computer and internet training and instruction to residents of underprivileged communities.

Akunis has also prioritized the strengthening of Israel’s international ties in the fields of science and technology. He has also worked to strengthen local research and development, particularly in engineering and applied sciences. R&D serves as the infrastructure for the trailblazing inventions and research projects which will help Israel maintain its place as an innovative high-tech leader.
Ulf Petrusson, Director, Center for Intellectual Property, University of Gothenburg

Ulf Petrusson is a Professor of Law at the University of Gothenburg as well as the Director at the Institute for Innovation and Social Change at the School of Business, Economics and Law, University of Gothenburg. In addition, he is the director for the Center for Intellectual Property (CIP) and Program Director at the Intellectual Capital Management (ICM) program at Chalmers University of Technology and University of Gothenburg and has been responsible for the development of several entrepreneurship training programs across multiple faculties, including engineering, law, medicine, and business. He also holds the position as Professor II at the Norwegian University of Science and Technology.

Petrusson is engaged in research focused on law and technology with specific interest in how technology and other knowledge can be claimed and managed as assets, property, and capital at the interface of research and innovation for both industry and universities. He is a member of several boards including the Swedish Patent and Registration Office.

Vijay Chauthaiwala, In-charge, Department of Foreign Affairs, BJP
@vija63

Vijay is In-Charge, Department of Foreign Affairs, Bharatiya Janata Party (BJP). In this role, he is coordinating with Indian Diaspora through BJP’s global outreach platform, Overseas Friends of BJP (OFBJP) which has more than 40 chapters worldwide. Vijay is actively involved in coordinating community receptions to PM Modi across the globe. Additionally, he interacts with foreign embassies, diplomats and delegates of various countries to put forward party perspective on issues of mutual interest.

Recently, he has been nominated as a member of Atal Innovation Mission (AIM), which is an umbrella body under NITI Aayog for all innovation related initiatives of Government of India. Vijay is a Ph.D. in Microbiology from University of Pune. He has worked in senior management role in pharmaceutical R&D for 18 years. His main expertise is new drug discovery and R&D portfolio management.
K. Nagaraj Naidu, Joint Secretary (Economic Diplomacy), Indian Ministry of External Affairs

K. Nagaraj Naidu is a career diplomat. An Indian Foreign Service Officer of the 1998 Batch, Mr. Naidu, a fluent Chinese speaker, served in China for 11 years in various positions – as Third/Second/First Secretary and Counsellor at the Indian Embassy in Beijing in two separate stints from 2000-03 and 2009-12; as Consul (Political and Commercial) at the Indian Consulate in Hong Kong from 2003-06; and as Consul General of the Indian Consulate in Guangzhou from 2013-15.

Mr. Naidu was the Director and Head of Division of the Investments, Technology Promotion & Energy Security Division in the Ministry of External Affairs from April 2015 to March 2016. He currently serves as Joint Secretary in the Ministry of External Affairs and Heads the Economic Diplomacy Division.

Mr. Naidu has a Masters Degree in Law and Diplomacy (MALD) from the Fletcher School of Law and Diplomacy.