

Biographies

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Department of Information Technology,
Ministry of Communications and Information Technology
Government of India



INTERNATIONAL PROGRAMME COMMITTEE, WITFOR 2012, INDIA

CHAIR

Rita Teatia - Additional Secretary, Department of Electronics & IT, Government of India

Smt. Rita Teatia joined the Indian Administrative Service in the year 1981. She has served in the districts of Panchmahals and Gandhinagar in the western state of Gujarat. Subsequently she worked in the energy sector as MD, Gujarat Industries Power Company Ltd. and in the Secretariat. Other sectors in which she has worked are education, health, women's development and rural development. From 2003-2007, she worked in the Government of India as Joint Secretary in the Ministry of Health and Family Welfare. She has received four National eGovernance awards for applications developed during these assignments.

Currently she is Additional Secretary in the Department of Electronics and Information Technology (DeitY). She is Head of NeGP (National eGovernance Plan) with the responsibility of making government services accessible to the common man in his locality, ensuring efficiency, transparency, reliability and affordability of such services. To this end, DeitY has created a Common Support Infrastructure comprising National/State Wide Area Networks, National/ State Data Centres, Electronic Service Delivery Gateways and a network of Common Service Centres spanning the entire country. DeitY has also taken initiatives to prescribe Standards and Policy Guidelines, provide technical support, undertake R& D and Capacity Building to support successful implementation of various national eGovernance Projects. NeGP works closely with all arms of DeitY including, National Informatics Centre (NIC), Standardisation Testing and Quality Certification (STQC) Directorate, Centre for Development of Advance Computing (C-DAC) and National Institute for Smart Governance (NISG).

Rita Teatia holds a Masters degree in Medieval and Modern Indian History from the University of Lucknow. She is married to Amitabh who is a landscape designer. They have two children.

CO-CHAIR

Chrisanthi Avgerou - Professor of Information Systems, London School of Economics and Political Science, UK

Chrisanthi Avgerou is Professor of Information Systems at the London School of Economics and Political

cal Science. Her main research interests concern the relationship of ICT to organisational change and the role of ICT in socio-economic development. She is a Fellow of the Association for Information Systems (AIS), and she chaired the IFIP Technical Committee 9 on Social Implications of Information Technology from 2005 till 2010 and the IFIP WG 9.4 group on computers in developing countries from 1996 till 2003.

Among her recent publications are *Information Systems and Global Diversity*, *The Social Study of Information and Communication Technology: Innovation, Actors, and Contexts*, and *The Oxford Handbook of Information and Communication Technologies*, all published by Oxford University Press.

CO-CHAIR

SV Raghavan - Scientific Secretary, Office of Principal Scientific Advisor to the PM, Government of India

Professor Raghavan is a Professor of Computer Science & Engineering (CSE) at the Indian Institute of Technology (IIT) Madras. He is Scientific Secretary at the Office of Principal Scientific Advisor to the Government of India. Prof. Raghavan is a gifted teacher, noted orator, voracious reader, avid writer, able administrator, active researcher, talented professional, and a team worker. His research interests span the spectrum of Computer Science & Engineering. He is one of the authors of the report on E-infrastructure for Science & Technology – a joint effort between the office of the Principal Scientific Advisor and the National Knowledge Commission – which resulted in the setting up of the National Knowledge Network (NKN), India.

MEMBER-SECRETARY

Lalit Sawhney - Vice-President IFIP

Lalit Sawhney is a well-respected veteran of the IT industry, with over 30 years of experience in the areas of IT Management for leading companies including Hindustan Lever and Reliance Communications. He possesses a broad range of IT management experience in formulating strategy, leading and managing large teams in the areas of Applications, Infrastructure and Governance, with extensive domain knowledge in the areas of Consumer Products, Retail and Distribution, Banking and Telecommunications. As the long-term IT Head at Hindustan Unilever Limited, Mumbai, Lalit led the IT function for all Unilever Companies in India.

Lalit was also Senior Vice President, and part of the initial team involved in setting up the second-largest telecommunications company in India, Reliance Communications. Lalit has been a Past President of the Computer Society of India, IT Man of the Year, one of *Computerworld US's* Outstanding IT Users, and was the Lead Member, National Y2K Action Force of the Government of India. He is currently Vice-President and Chairman of the Marketing Committee of the International Federation for Information Processing (IFIP).

Lalit is a consultant with Tata Consultancy Services, Nilgiri Dairy Farms, ITTI Pvt Ltd and is on the Advisory Boards of Aujas Networks, Emploi Globale and Talentonic. Lalit is an Electronics Engineer from Delhi University and MBA from the Indian Institute of Management (IIM), Ahmedabad.

MEMBERS

Prof. Jørn Braa, University of Oslo, Norway

Prof. Sundeep Sahay, University of Oslo, Norway

Dr Robert Argent, Bureau of Meteorology, Australia

Prof. David Swayne, University of Guelph in Canada

Prof. Alain Senteni, Dean, School of eEducation, Hamadan bin Mohammed e-University, UAE

Mr. Vikas Nath, Associate Director, Future of the United Nations Project, Canada/Switzerland

Prof. Ana Pont, Polytechnic University of Valencia, Spain

Ms. Dorothy Gordon, Director-General, AITI-Ghana-India Kofi Annan Centre of Excellence in ICT, Ghana

Ms. Radha S Chauhan, Joint Secretary, Department of Secondary and Higher Education, Ministry of Human Resource Development, Government of India

Mr. Sanjeev Gupta, Joint Secretary, Department of Agriculture & Co-operation, Ministry of Agriculture, Government of India

Mr. Ajay Sawhney, President & CEO, National e-Governance Division, Department of Electronics & IT, Government of India

Mr. Satish Jha, OLPC India Foundation, Boston, USA

Ms. Vineeta Dixit, Principal Consultant, National e Governance Division, Department of Information Technology, Government of India

Mr. Lalit Sawhney, Vice-President, International Federation for Information Processing

Ms. Iskra Panevska, UNESCO

Dr. Rattan Datta, CEO, Mohyal Education & Research Institute of Technology & Past President, Computer Society of India

Dr. S. Ramakrishnan, Adviser, Media Lab Asia and National Institute for Smart Governance

THE WITFOR COMMISSIONS

WITFOR addresses eight specific topics/areas and the content for these topics is handled by various commissions. These are :-

1. Agriculture Commission
2. Building Infrastructure Commission
3. Economic Opportunities Commission
4. Education Commission
5. E-Government Commission
6. Environment Commission
7. Health Commission
8. Social, Ethical & Legal Aspects Commission

However, IFIP WITFOR 2012, being held in India, will address four specific areas under the following commissions:

1. Agriculture Commission
2. Education Commission
3. E-Governance Commission
4. Health Commission

These commissions will be instrumental in delivering the content for the event and for initiating and performing activities in between the conferences. The work in the commissions is fully done by volunteers and participation is open to all persons who are interested in the goals, approach and topics of WITFOR and who are willing to contribute actively.

MEMBERS

Dorothy K. Gordon – Chair, E-Governance Commission, WITFOR

Dorothy K. Gordon is a visionary leader in the field of technology and development. In her capacity as the Director-General of Ghana's Advanced Information Technology Institute, the Ghana-India Kofi Annan Centre of Excellence in ICT (AITI-KACE), she leads a team of world-class technology professionals committed to using the opportunities that exist globally to bring development to Africa. She is currently a Board member of Film Africa – a production company which, along with its sister company, TV Africa, is dedicated to promoting African culture and values.

Dorothy Gordon is Chair of the Commission on E-Government for the World IT Forum (WITFOR); President of the Ipv6 Forum Ghana; Board member and Africa Spokesperson for the World Summit Awards; and Director, UNESCO International Institute for Capacity Building in Africa (IICBA).

She joined the United Nations Development Programme (UNDP) after obtaining degrees from the University of Ghana and the Institute of Development Studies (IDS) of the University of Sussex, UK.

Her career as a specialist in international development spans over 25 years with increasing leadership and management responsibilities.

Ajay Sawhney - Co-Chair, E-Governance Commission, WITFOR

An Engineer by qualification, an IAS officer by profession and a champion of Information Technology by choice, Ajay Sawhney is an experienced Technocrat Administrator.

Mr Sawhney is currently working as the President and CEO, National eGovernance Division, Media Lab Asia, Department of Electronics & IT (DeiTY), Government of India. The National eGovernance Division assists the DeiTY in Programme Management of the National eGovernance Plan, framing of core policies, design of shared service delivery platforms, technical appraisal of all NeGP projects and various capacity building initiatives, including the setting up of State eGovernance Mission Teams.

Commencing his career in the Indian Administrative Service in the Andhra Pradesh cadre in 1984, Mr. Sawhney played a key role in the success of the Total Literacy Campaign in the district of Nizamabad. Appointed as Managing Director of A.P. Technology Services Limited in 1995, he became a strong advocate of technology and led a programme for computerisation of data pertaining to more than 45 million voters. As Special Officer for International Institute of Information Technology (IIIT), Hyderabad, he was responsible for shaping the conceptual model, setting up the Institute in 1998 and catalysing its emergence as a pre-eminent institute in IT Education & Research. From 1999 to 2005, he was involved in the development of the IT vision, architecture and e-Government projects of Andhra Pradesh as Secretary, Information Technology.

Vikas Nath - Chair, Agriculture Commission, WITFOR

Vikas Nath is the Associate Director of the Future of the United Nations Development Systems (FUNDS) project and the Chair of WITFOR Agriculture Commission.

His previous position was as Head - Media and Communication, South Centre, a Geneva-based intergovernmental organisation. Prior to it, Mr. Nath worked as a Policy Analyst with the United Nations Development Programme (UNDP) in New York where he carried out research on provisioning and financing of global public goods, including the Internet and the Global Communications Network. Mr. Nath also worked with the Ministry of Environment and Forests, Government of India, as a Training Adviser on Agenda 21 and Environment and Sustainable Development issues.

Mr. Nath is the founder of multiple companies and initiatives, including DigitalGovernance.org, DevNetJobs.org, and Intellectual Network of the South (INSouth.org). He has worked with UN agencies, international and national organisations in over 50 countries on e-governance, South-South cooperation, and applications of information technology in agriculture, setting up small and medium enterprises, and employment generation.

Mr. Nath was an Inlaks Scholar (2000-1) at the London School of Economics and Political Science (LSE), UK. He holds a Masters degree in Environment and Development from the LSE and in Natural Resources Management from the Indian Institute of Forest Management (India). www.VikasNath.org

Sanjeev Gupta - Co-Chair, Agriculture Commission, WITFOR

Sanjeev Gupta is a 1985-batch Indian Administrative Service (IAS) officer from the Himachal Pradesh

cadre, where he had been actively involved in various e-governance initiatives in the state – including the implementation of the voters ID card project – before moving to the Ministry of Agriculture as a Joint Secretary in the Government of India. He is credited with implementing the first State Wide Area Network (SWAN) project in India under the National e-Governance Plan (NeGP). Before taking over as the IT Secretary with the state government in 2003, he had served as the Additional Secretary and Special Secretary with the Himachal Pradesh Computer Society. An Electronics graduate from IIT Kanpur, he is also credited with turning around the fortunes of the HP State Electronics Development Corporation as its MD and creating benchmarks for the procurement of electronic products for the state government.

Alain Senteni – Chair, Education Commission, WITFOR

Professor Alain Senteni is currently the Dean of the School of e-Education (SEED) at the Hamadan Bin Mohammed e-University in Dubai (UAE). From 2001 to 2008, Prof Senteni was the (first appointed) Director of the Virtual Centre for Innovative Learning Technologies (VCILT) and the Chairman of the Life-long Learning Cluster (LLC) of the University of Mauritius. He received an Engineering Degree, a PhD and HDR in Computer Science from the National Polytechnics Institute (INPT) in Toulouse (France).

His interest in technology-enhanced education dates back to the 1970s, with the Logo community in Montreal (Qc. Canada) where he was appointed as a Professor in Educational Technologies at the Faculty of Education of the University of Montreal from 1989 to 1996. His current work and research interests lie in the integration of ICTs in the educational systems of developing countries, with an emphasis on intervention strategies, capacity building and ICT-based development of education. In September 2011, he received an Honorary Doctorate in Education from the University of Sherbrooke in Canada.

Radha Chauhan – Co-Chair, Education Commission, WITFOR

Ms Radha S. Chauhan is a 1988 batch Indian Administrative Services (IAS) officer from the state of Uttar Pradesh. She is currently serving as the Joint Secretary of School Education and Literacy in the Human Resource Development Ministry in the Government of India. A Law graduate from Delhi University's Faculty of Law, she has previously served with the National Institute for Smart Government (NISG) as a Principal Consultant to the Programme Management Unit of the National e-Governance Plan (NeGP), Department of IT, Government of India.

She has coordinated two national Mission Mode Projects under the NeGP - the 'e-district' Project and the Unique ID project, both of which attempt to address key aspects in the delivery of government services to citizens in an electronic mode. She has also steered the National Communication and Awareness strategy for the overall NeGP initiative and has had a long association with the post-implementation assessment of e-Governance initiatives across the country.

Paul T. Nleya – Co-Chair, Education Commission, WITFOR

Paul T. Nleya earned a B Ed degree from the University of Botswana in 1981 and an MS in Instructional Systems Technology in 1985 from Indiana University (Bloomington) in 1985. He also earned a PhD in Educational Technology and Post Graduate Diploma in Social Science Research Methods from the University of Wales (Cardiff). He is currently Associate Professor and Head of the Educational Technology Department at the University of Botswana. He has been published in refereed journals, both local

and international. He serves as the Vice-Chair of the Education Commission of the World Information Technology Forum (WITFOR) and holds a membership of the Working Group 3.3 of the International Federation of Information Processing (IFIP WG 3.3), and is on the Advisory Board of eLearning Africa Conference (eLA). He is also a member of the Association of Educational Communication and Technology (AECT) and Multimedia Educational Resource for Learning and Online Teaching (MERLOT).

During 2008, he served as coordinator of an online program development assignment for e-TQM College in Dubai. He is also External Examiner for North Western University and Tshwana University of Technology in the Republic in South Africa and has served as Chairperson of the Reference Committee of the Open and Distance Learning national needs assessment conducted by the University of Botswana during 2008.

Jørn Braa – Chair, Health Commission, WITFOR

Jørn Braa is Associate Professor at the Department of Informatics, University of Oslo, as well as the Coordinator of the Health Information Systems Program (HISP) and the Building Europe Africa collaborative Network for applying ICT in Healthcare Sector (BEANISH). Jørn Braa has been involved in Health Information Systems research and development in many countries in Africa, Asia and Latin America over the last 15 years. He has been actively involved in the establishment and expansion of the HISP project for 10 years. His research interests focus on strategies and conditions for action research, and health information systems in developing countries.

Sundeep Sahay – Co-Chair, Health Commission, WITFOR

The focus of Sundeep Sahay's work, pursued in external projects and published academically, has been on the design, development, integration, use and sustainability of health information architectures in developing countries, with a primary focus on the Indian public health system. Further, his focus is on creating organisational models, which can provide technical support in the Indian context and South East Asia.

Sundeep Sahay's academic work is characterised by an empirically-grounded approach, primarily within an action research framework – working closely with public health managers, policy makers, health programme managers and field-level health functionaries. He has extensive experience with management of research projects involving partners from universities, the public health sector, and also running an NGO.

His research agenda has, for more than a decade, had a sustained focus on the theoretical, methodological and practical implications of large-scale and integrated health information architectures. Prior to this, a key research focus had been on Global Software Outsourcing. Taken together, the collective research focus is on IT for Development.

Ana Pont – Chair, Building Infrastructure Commission, WITFOR

Dr. Ana Pont Sanjuán is Professor of Computer Architecture in the Polytechnic University of Valencia (UPV), Spain. She joined the Computer Engineering Department (www.disca.upv.es) at the UPV in 1987, and from 1998 until 2004 she was the head of the Computer Science High School at the UPV. Her research interests include web and internet architecture, proxy caching techniques, CDNs, communication

networks and performance evaluation. She also has participated in a large number of research projects financed by the Government of Spain and the Local Valencian Government. Currently she leads the Web Architecture Research group at the UPV where she has been advisor of several PhD theses and is currently directly tutoring two more.

She has published a number of papers in international journals and conferences proceedings, some of which have been awarded as the best papers. She often acts as a reviewer for several journals and regularly participates in the technical programme committees of international scientific conferences.

From 2005 to 2011, she was the Chairperson of the IFIP TC6 Working Group 6.9: Communication Systems for Developing Countries (www.ifip.tu-graz.ac.at/TC6/index.htm). Now she is the Spanish representative in IFIP - Technical Committee 6.

She joined the WITFOR series in 2007 as co-chair of the Building Infrastructure Commission.

Robert Argent – Chair, Environment Commission, WITFOR

Dr Argent is currently with the Bureau of Meteorology in Australia and has over twenty years of international experience in water and natural resources research, teaching, design, consulting and project management. Over the period from 1990 to 2007, he worked at the University of Melbourne, focusing on environmental model development and integration. His research interpreted and delivered environmental research findings into forms that met the needs of managers and decision makers.

In early 2008, Robert moved to the Bureau of Meteorology to lead the development of the Australian Water Resources Information System (AWRIS), the world's first system that will offer end-to-end coverage of Australia's key water data. It will cover the entire gamut of the ingestion of data from across the country, through data checking and augmentation, extensive analysis and reporting, and delivery of data and information to end users.

David Swayne – Vice-Chair, Environment Commission, WITFOR

Professor David AB (Dave) Swayne is a retired Professor from the University of Guelph (Canada). He is a Fellow of the International Environmental Modelling and Software Society, and a recipient of the Silver Core Award from IFIP. His research concentrates on the application of computing to environmental problems, using decision theoretical principles and graphical probability models, linking economic and engineering process models.

Collaborative work with government and industry has led to working environmental information systems at many levels: regional climate change modeling in the Arctic Great Lakes; acid rain in North America; water pollution in the Great Lakes Basin, decision support in urban water districts; river basins in Mexico, Central and South America, and Australia. Prototype systems have been developed for pulp mill effluent, ocean dumping, acid mine effluent, and Sustainable Community Indicators. Dr. Swayne is an Associate Editor of the journal *Environmental Modelling and Software*, Vice-President of the International Environmental Modelling and Software Society and a past Chair of International Federation for Information Processing Working Group 5.11 (Computers and Environment).

Mr. Satish Jha – Chair, Economic Opportunities Commission, WITFOR

Satish Jha is the Chairman of OLPC India Foundation with a mandate to reach out to 250 million chil-

dren who are growing up without access to computing. Satish has worked as a newspaper editor (Editor, *Dinamaan*, The Times Group, and co-founder, *Janasatta*, The Indian Express Group); as Global Head of Information Technology Management for VFC Division at Hoffmann-La Roche; and founded James Martin & Co and META Group in India. He is also actively engaged with a number of social initiatives and has founded, mentored and/or seeded various projects and initiatives.

He co-founded Tarahaat.com, DESI Power, Digital Partners India, Baramati Initiatives, and eHealth-Care Initiatives and has been associated with leading various social entrepreneurship initiatives across Africa and Asia. He has lately been focusing on the intersection of technology, business strategies and public policy in the areas of universal access to education, healthcare and bridging the digital divide. He is also a member of the United Nations' GAID, Special Advisor to the Kofi Annan Center and chairs the Economic Opportunities Commission for the World IT Forum (WITFOR).

Satish studied at The Fletcher School of Law & Diplomacy, Kennedy School of Government; University of Maryland; EDHEC-Institute Theseus in France, and the Institute of Social Studies at The Hague and earned an MA in Economics and an MBA in Strategy, Innovation and Information Technologies. He has also been a National Scholar in India, a Hubert Humphrey Fellow, Ford Fellow, and Netherlands Fellow and was granted scholarships for management education by France Telecom and BNP.

DISTINGUISHED SPEAKERS

Minister Hugo Royg Aranda

Minister Hugo Royg Aranda was born in Asuncion in March 1967. He graduated as an Economist at the Catholic University of Asuncion and completed his academic studies in Macroeconomics and Public Policy at various institutions in Paraguay and abroad.

Currently, he is the Executive Secretary of the Ministry of Technical Planning for Economic and Social Development under the Presidency of the Republic of Paraguay. Previously he served as Technical Coordinator of the Technical Unit of the Social Cabinet of the Presidency of the Republic.

He has served as a Consultant to Multilateral Agencies of international cooperation on public policy issues as well as on poverty and human development. He is a member of several social organisations and teaches at undergraduate and postgraduate level at the National University and the Catholic University of Asuncion.

His work in the private sector places him as the founder of MCS Consulting Group with extensive experience in advising private companies in areas of change and organisational development.

Janis Karklins

Mr. Janis Karklins is the Assistant Director-General for UNESCO's Communication and Information Sector. Having served as the Latvian Ambassador to France and Permanent Delegate to UNESCO – after an initial career in industry – Mr Karklins became the Permanent Representative of his country at the United Nations in Geneva, a post he held for seven years. During that time, he served as the First Vice-Chairman and as Chairman of the Council of the International Organization for Migration (IOM), and has held several elected posts in the World Intellectual Property Organization (WIPO) and UN Commission of Science and Technology for Development, as well as presided over the Group of

Governmental Experts on Cluster Munitions in the framework of the Convention on Certain Conventional Weapons (CCW).

He also served as the Vice-President of the Preparatory Committee of the Geneva Phase of the World Summit on the Information Society (WSIS) and as President of the Preparatory Committee of the Tunis Phase of WSIS. As a diplomat, he was closely involved in the preparation of the World Summit on the Information Society (WSIS) and played a key role in its negotiations on internet governance. In 2006, Mr Karklins was elected president of the Government Advisory Committee of ICANN (Internet Corporation of assigned Names and Numbers), which plays a pivotal role in information society issues. He was appointed to the ICANN Board of Directors in March 2007, and at the same time assumed the post of Chairman of the Governmental Advisory Committee (GAC) and liaison from the GAC to the ICANN Board.

Mr Karklins has an engineering degree from the Riga Technical University in Latvia and attended an executive education program for Eastern European diplomats at the Hoover Institute at Stanford University in USA.

Leon Strous

Leon Strous is the President of the International Federation for Information Processing (IFIP) since 2010. Leon is a member of the International Federation for Information Processing (IFIP) since 1994. In IFIP he has chaired the Technical Committee 11 on security and protection in information processing from 2001-2007, he was Vice-president from 2007-2009 and in August 2009, he was honourably elected as President for the 2010-2013 term.

Leon started his career in metal and plastics processing and then spent eight years with the sales organisation of Philips Electronics in the Netherlands. His focus areas were administrative organisation, internal control and information security. Currently his main jobs are advancing business continuity and crisis management arrangements with the key players in the payments and securities clearing and settlement processes in the Netherlands and liaising between the financial sector and the government concerning critical infrastructure protection programs.

Leon has co-authored and co-edited publications in the area of information security and chaired /organised several international security conferences. Since 2001, his contributions include work with the IFIP World IT Forum (WITFOR), a conference focusing on the application of ICT in developing countries.

Leon has bachelor equivalent degrees in Business Economics and Business Informatics, a post-graduate degree in EDP-Audit; he is qualified as a registered EDP-Auditor (RE) in the Dutch Association of Registered EDP-Auditors (NOREA) and he is also a Certified Information Systems Auditor (CISA).

K.K. Aggarwal

Professor K.K. Aggarwal, Chancellor- Lingaya's University, Faridabad, also serves as Chairman, Board of Governors, Malaviya National Institute of Technology, Jaipur and Member, Board of Directors, Indian Institute of Technology, Patna.

He obtained his Engineering Degree from Punjab University and Masters degree from Kurukshetra University, from where he did his Ph.D in Reliability Evaluation and Optimisation. After hav-

ing served at NIT, Kurukshetra, he was appointed Pro Vice-Chancellor, Guru Jambheshwar University (Technical University of Haryana), Hisar for a period of three years. In 1998, he was appointed as Founder Vice Chancellor of GGS Indraprastha University, Delhi and continued at this position for 10 years.

He was President of the Institution of Electronics and Telecommunication Engineers (IETE) from 2002-2004. He also served as Sectional President (IT & CS Section) in the Indian Science Congress Association. He was elected as President, Computer Society of India for the period 2007-2009. Prof. Aggarwal was also elected as President of South East Asia Regional Computer Confederation (SEARCC) for 2008-2010.

Prof. Aggarwal has worked extensively in various fields of Electronics and Computer Engineering and published about 300 papers in reputed journals, including more than 130 in international journals. He has been invited to deliver lectures in several Universities in India and abroad. Prof. Aggarwal has written a few books and many of his articles have appeared in several books published by IEEE of the USA. His latest book on Software Engineering, published in 2001 has already seen several reprints.

He was conferred the Life Time Achievement Award by the Institute of Electronics and Telecommunication Engineers. The International Biographical Centre, England has published his biography in *"The First Five Hundred – at the new millennium"* published in July 2000. The Broadcast Engineering Society of India honoured him by conferring an Honorary Fellowship in February 2001 and the Computer Society of India Conferred a Fellowship on him in 2003.

Shankar Aggarwal

Mr Shankar Aggarwal is a 1980 batch IAS officer who has worked in various Central and State Government. Ministries before taking charge in the Ministry of Defence as Additional Secretary, Government of India. He is shouldering a very important responsibility at present. Before this assignment Mr Aggarwal was Additional Secretary in the Department of Information Technology and was Head of NeGP (National e-Governance Plan). He was tasked to carry the nation to the next level by evangelising the use of ICT in making Government services accessible to the common man in his locality, through common service delivery outlets and ensure efficiency, transparency and reliability of such services at affordable costs to realise the basic needs of the common man.

Prior to the current role, he has held key leadership positions both at the State and Central Government level. He held the position of Principal Secretary, Department of Housing and Urban Planning, and in the Department of Technical Education; Commissioner, Trade Tax; Managing Director, State Transport Corporation; Vice Chancellor, Bundelkhand University and as Secretary, Conventional and Non Conventional Energy Departments in the State Government of UP. He also held the posts of Chief Vigilance Officer, Indian Oil Corporation; Joint Secretary, Government of India, Ministry of Small Scale Industries; & Director, Department of Personnel & Training in the Central Government.

Abul Kalam Azad

Professor Dr Abul Kalam Azad is a physician and is currently working as the Additional Director General and Director, Management Information System (MIS) at the Directorate General of Health Services (DGHS) under the Ministry of Health & Family Welfare of Bangladesh. As ADG, he is responsible for overseeing the future planning and ongoing development activities for health. His current personal focus is on health systems strengthening and global health capacity building. The MIS department, of which he is director, has three major functions, namely, Health Information System (HIS), e-Health and Medical Biotechnology (MBT).

Having been one of the first users of IT amongst his professional colleagues in the country, the health sector of Bangladesh has witnessed remarkable progress during his short tenure, in building electronic data communications network; paperless and web-based data transmission, reporting and dissemination system; inter-operability and data sharing; telemedicine; and various kinds of m-Health. Principally an academician, he has served for more than 18 years in a number of medical and public health schools, as a popular teacher, editor of public health journals and author.

The HIS and e-Health success of his department has drawn national and global attention alike. “The Commission on Information & Accountability on Women’s and Children’s Health”, constituted by the UN Summit 2010, recommended Bangladesh’s community based data collection infrastructure and practice as a suitable model for developing countries. Well-recognised for his sound knowledge of health systems, he frequently represents his country at global health forums and meetings.

Deepa Bachu

Director, Emerging Market Innovation, Intuit India

Creating products that completely delight the customers is what she is passionate about. One of the innovations she is currently leading in her capacity as General Manager, is a product that revolutionises the agricultural needs of emerging markets. This is truly a game-changing innovation that has been launched in two states with 3,50,000 customers in rural India and can be extended to other emerging markets.

Her responsibilities include innovating, especially for emerging markets, by using Customer Driven Innovation and building solutions that enrich customers’ lives by solving important and unmet needs. Deepa has over 15 years’ experience in User Experience, Innovation and Product Development. After working at the Intuit headquarters for five years, Deepa moved to India where she guides innovation and strategy for version 1 products.

Deepa is an innovation and design evangelist. She has presented at several conferences and is an active member of design and innovation organisations.

Having started out as a software professional in India and in the US, she transitioned to a career in Experience Design & Innovation and went back to engineering management before playing the role of a General Manager.

Ajit Balakrishnan

Ajit Balakrishnan is the founder and CEO of rediff.com, an internet company listed on the New York NASDAQ market. He is a graduate of the Indian Institute of Management (IIM), Calcutta where he also now serves as Chairman of the Board of Governors. He is currently Chairman of the Government of India, Ministry of Information Technology Committee on Internet Governance and Proliferation and chaired a recent Committee appointed by India’s Ministry of Human Resource Development on ‘Research and Faculty Enhancement at the 7 IIMs’. His blog is at blogs.rediff.com/ajitb.

Pankaj Kumar Bansal

Pankaj Kumar Bansal joined the Indian Administrative Service (IAS) in 1997 and was assigned to the Tamil Nadu cadre. He holds a B. Tech in Mechanical Engineering from IT-Banaras Hindu University, Varanasi and an M.Tech in Thermal Engineering from the Indian Institute of Technology (IIT), Delhi.

He is presently serving as Additional Secretary to the Government of Tamil Nadu's Department of Health and Family Welfare & is Project Director, Tamil Nadu Health System Project. The National Award (Gold) for e-governance 2011-12 was presented to Health Management Information Systems, Tamil Nadu Health Systems Project, Department of Health and Family Welfare, Government of Tamil Nadu for exemplary re-use of ICC Based solutions.

In 2009, he received the Prime Minister's Award for best National Rural Employment Guarantee Scheme (NREGS) as District Collector, Sivagangai.

Aurelia Bondari

Aurelia Bondari is the Executive Director of the National AGROinform Federation in Moldova. The National AGROinform Federation is a network of regional non-governmental organisations oriented to support the private agricultural producers from the Republic of Moldova by providing informational assistance and professional advisory services. At present, the National AGROinform Federation comprises 27 regional non-governmental member organisations.

Ashok Chandavarkar

Ashok Chandavarkar manages Intel's World Ahead Program for the Asia Pacific region. Intel works with governments worldwide on programs that increase access to technology – helping people with better education, improved healthcare and economic opportunity.

Ashok has been working with governments and the corporate sector for over 22 years in influencing the effective use of technology, of which the last nine were associated with the healthcare industry. He has been championing the cause of empowering front line health workers in their ability to provide effective care to the beneficiaries.

Ashok holds a Masters degree in Marketing Management and is a Chemical Technologist in Pharmaceuticals & Fine Chemicals from the University of Mumbai.

R Chandrashekhara

Mr Chandrashekhara is presently Chairman of the Telecom Commission and Secretary in the Department of Telecommunications in the Ministry of Communications & Information Technology, Government of India. He is responsible for all matters relating to the Telecom sector.

He joined the Government of India in 1975 as a member of the Indian Administrative Service. Ever since, he has held a wide variety of key assignments, many of them relating to the ICT sector, both in the Government of India and the State Government of Andhra Pradesh.

He is responsible for all aspects of policy formulation for the telecom sector in the country as well as several aspects of regulation. Currently he is responsible for driving several key policies and strategies covering licensing, spectrum management, National Broadband Plan, Convergence, Manufacturing, Investment, security, R&D and the draft National Telecom Policy 2011.

As Secretary of the Department of Information Technology, he steered the formulation of national policies for the IT sector and for promoting Electronic System Design and Manufacturing and R&D in the Electronics and IT sector. He was also responsible for overseeing implementation of a number of major national initiatives in the sector, including the National eGovernance Plan, which he played a key role in designing and in formulating the Electronic Service Delivery Act.

Earlier, he established the first Department of Information Technology in the country in Andhra Pradesh and was Secretary of the Department from June 1997 to December 1999. The policies and strategies he formulated catapulted the state to the forefront of the country in the sector and became a role model for several states and countries.

Mr. Chandrashekar received an M.Sc. degree in Chemistry from the Indian Institute of Technology, Bombay and an M.S. degree in Computer Science from the Pennsylvania State University, USA.

He was conferred the Prime Minister's Award for Excellence in Public Administration for the year 2007-08. He has been conferred several awards including *Dataquest* Path Breaker of the Year Award in 2005 and Distinguished Alumnus Award of IIT-Mumbai in 2010.

Dilip Chenoy

Dilip Chenoy is currently Managing Director and CEO of the National Skill Development Corporation (NSDC). The NSDC is a Public Private Partnership whose objective is to skill 150 million people in India by 2022 by fostering private sector investment and initiatives in training and skill development in 20 high growth sectors and the unorganised segment. He is also on the Governing Council of a Management School.

Prior to NSDC, Dilip was Director General of the advocacy group for the automobile industry in India, Society of Indian Automobile Manufacturers (SIAM), where he was responsible for setting the technical, economic and social responsibility agenda for the automobile industry. He also represented SIAM on various Government Committees as well as on the board of the National Skill Development Corporation and the Steering Committee of the International Motorcycle Manufacturers Association.

Mr. Chenoy has also served as the Deputy Director General responsible for Industry Sectors and Associations Council (ASCON) covering Agriculture, Life sciences and ICT in the Confederation of Indian Industry (CII). Dilip was the CII spokesperson and coordinated CII's international work relating to the Association of Southeast Asian Nations (ASEAN).

KN Desiraju

Keshav Desiraju belongs to the Indian Administrative Service and was educated at the Universities of Bombay, Cambridge and Harvard. He has held many positions with the Government of India, the Government of Uttar Pradesh and the Government of Uttarakhand and is currently posted as Additional Secretary to the Government of India in the Ministry of Health and Family Welfare.

Dimity Dornan

Dr. Dimity Dornan, A.M. PhD; Ba.SpTh; F.S.P.A.A; CpSp; Cert. AVT®, founded the Hear and Say Centre in July 1992. Dimity is a Speech Pathologist and Certified Auditory-Verbal Therapist who was previously on the Board of the Alexander Graham Bell Academy for Listening and Spoken Language. Dimity is also a past Board member of Auditory-Verbal International, a post she held for six years. In June 1998, Dimity received the Order of Australia for her work with children with hearing loss. In 1999 she also received the AMAQ Award for Distinction for Services to Medicine. Dimity was named 2003 Queensland Australian of the Year and 2005 Australian Social Entrepreneur of the Year. In 2010, Dimity was recognised as Queenslander of the Year.

Ritva Engeström

From the 1980s and 1990s to the present, Dr. Ritva Engeström, has been employed mostly by the research projects funded by the Academy of Finland and conducted at the University of Helsinki. Between 1987 and 1995, she worked for five years as a visiting scholar at the Laboratory of Comparative Human Cognition, University of California in San Diego. In 1999, she received her PhD in sociology from the University of Helsinki. Currently she is a Senior Researcher at the Center of Excellence at the University of Helsinki and mentors a group of PhD students.

BK Gairola

Dr. B.K. Gairola has been involved for more than twenty five years in propagating IT among top political and executive-level decision makers in India. At present, he is Director General, National Informatics Centre (NIC). He is responsible for conceiving, designing and implementing various large IT based projects for the Government of India, with large citizen interfaces. He also evolved the concept of a common “National Super Highway in Cyber Space in India” with an objective to help the nation to leap frog into the ‘Knowledge Society’. The multi gigabit network called National knowledge Network (NKN) is being implemented with the assistance of NIC.

Conceptualisation, building and induction of on-line information systems in various fields like passport, immigration, vehicle management, identification system have been his significant contributions. Realising the virtual stronghold of the developed countries on the specialised core software technologies like CAD, CAM/CIM & GIS, Dr. Gairola worked towards building self-sufficiency in these technologies. He has been deeply involved in the creation of an effective Cyber Security environment, both with a view to give technical and legal framework and also to build secure Cyber infrastructure for effective propagation of E- Governance.

Dr. Gairola holds a doctoral degree and M.Tech in Computer Science from the Indian Institute of Technology (IIT), Kanpur and has published several papers and reports in the area of Computer Science, IT and e-governance, and presented the same at national and international conferences. Presently, he holds the chairmanship of the National Centre for Trade Information (NCTI); and is a Member of the Executive Committee, National Science Centre; Board of Directors, National Informatics Centre Services Inc. (NICSI); and Fellow of the Indian National Academy of Sciences, India.

PR Ganapathy

PR Ganapathy serves as Senior Advisor at Villgro, an early-stage social enterprise incubator, where he advises portfolio companies on various aspects of management and helps select new incubatees. Ganapathy also volunteers a significant portion of his time to help Teach for India establish operations in Chennai.

Prior to Villgro, Ganapathy was the Managing Director and Chief Executive of DSNL Ltd., a pioneer in the teleconferencing / enterprise collaboration space. He was also the Co-founder and CEO of Gridstone Research, a Financial Information and Research Services company serving the needs of research professionals such as investment managers and management consultants. He holds seven years of experience at Infosys Technologies – and its Business Process Outsourcing subsidiary, Infosys BPO – in Investor Relations, Finance & Administration, and Business Development roles. He has another five years’ experience as a member of the Tata Administrative Service, a cadre of select managers for the Tata Group.

He has an MBA from the Indian Institute of Management (IIM), Ahmedabad, and a B.Sc. (Hons.) in Mathematics from Hindu College.

Srinivas Garudachar

Srinivas “Srini” Garudachar is Director – Strategic Business Development at Grameen Intel Social Business Pvt Ltd, a social business joint venture between Grameen Trust (of Bangladesh) and Intel, with a charter to develop appropriate ICT-enabled solutions to the major problems related to poverty.

He is a passionate and committed social entrepreneur and accomplished ICT professional with a strong competence in innovating and applying appropriate technology interventions for maximising (social) business advantage. He has held senior-level global executive positions at General Electric (as CIO) and Intel. As an entrepreneur, he co-founded and ran a telecom convergence company - TeleParadigm Networks. He has advised several national and provincial governments in the APAC region on their Vision level “G2B and G2C” initiatives.

He has extensive experience in incubating, mentoring and successfully running BoP (bottom-of-the-pyramid)-oriented social businesses. His expertise is with rural value chains and the evolution of sustainable, scalable and replicable technology assisted social entrepreneur driven business models that have high impact on society; including models that are bottom-up, ensure community participation and ownership to ensure long term sustainability.

Together with his professional IT experience and knowledge of rural business models, Srini also has a strong domain understanding of agriculture, is a noted orchidologist and an active wildlife conservationist. He is an Executive Committee Member of The Orchid Society of Karnataka, a Charter Member of TiE (The IndUS Entrepreneurs) Bangalore (chair of the Soc Entrepreneur SIG), and has served as an advisor to several technology and social business companies from their start-up to growth phases.

Pankaj Gupta

Dr Gupta has a rich combination of strong management skills, software experience and a medical background. For over 18 years, he has been working in the Healthcare Technology business and Healthcare process standardisation. This includes experience of starting and leading Healthcare Consulting and eHealth units at Perot-systems, Max Healthcare, Infosys, FCG, and Cerner. He has managed IT Departments of hospitals and delivered business transformation by process standardisation. He is a Healthcare professional with a rich IT experience, including specialisation in General Management from the Indian Institute of Management (IIM), Bangalore.

Dr Gupta has done organisation change management, business transformation, clinical transformation, knowledge management and transition management on global sourcing models. His experience spans eHealth Consulting, mHealth Consulting, Chronic Disease Management Solution design and HIS/EHR implementation. Given his background and experience, he is interested in Mobile platforms for Healthcare, Digital Hospitals, Pharma R&D Labs, Medical devices and next generation Healthcare Software development and implementation.

For the past few years, he has been working on institutionalising the healthcare ICT policy. He has worked in Canada to integrate healthcare applications in terms of health information exchange standards and architectures. For the past few months, he has spent time studying the public health IT systems in India and has given specific recommendations that have been now included in the report of the Planning Commission’s Steering Committee on Health.

Sanjeev Gupta

Sanjeev Gupta is a 1985-batch Indian Administrative Service (IAS) officer from the Himachal Pradesh cadre, where he had been actively involved in various e-governance initiatives in the state – including the implementation of the voters ID card project – before moving to the Ministry of Agriculture as a Joint Secretary in the Government of India. He is credited with implementing the first State Wide Area Network (SWAN) project in India under the National e-Governance Plan (NeGP). Before taking over as the IT Secretary with the state government in 2003, he had served as the Additional Secretary and Special Secretary with the Himachal Pradesh Computer Society. An Electronics graduate from IIT Kanpur, he is also credited with creating new benchmarks for the procurement of electronic products for the state government.

Olaf Hammelburg

Mr Olaf Hammelburg is presently the CEO of Connecting Worlds, based in Amsterdam, The Netherlands, and has been associated with Connecting Worlds since 2007. Connecting Worlds advises companies on how to bridge the gap between consumers and producers in agricultural production chains. It provides content and advises organisations on ways to use ICT for communication strategies, branding and traceability. He is also an independent photographer/filmmaker, focusing on Sustainable Agricultural Production Chains, with a decade of experience in the field. He holds a Masters degree in Econometrics and was a database programmer from 1995-2001.

Nagy K. Hanna

Dr Nagy K. Hanna is an author, educator and independent consultant on e-transformation and innovation strategies. He has over 35 years' experience advising countries and aid agencies on e-transformation policies and strategies, e-government, e-leadership institutions, the ICT industry, public sector management and governance, private sector development, and innovation-driven development strategies.

He is a Senior Fellow at the Center for Policy on Emerging Technologies, Commissioner of the UN's World IT Forum on e-Government, and member of the editorial board of several journals and book series on innovation, technology and the knowledge economy. He lectures on strategy and innovation, and has authored and co-authored 15 books and published over 100 papers and book chapters.

He was the World Bank's senior advisor on e-strategies, and previously, the Bank's lead corporate strategist. He founded and chaired the Bank's e-Development Thematic Group. He led many project teams, including early Bank assistance for India's software export strategy, and the first lending operation for comprehensive e-development, e-Sri-Lanka. He holds a PhD from the Wharton School, University of Pennsylvania, and an Executive Development diploma from Harvard.

He can be reached at nagyhanna@comcast.net

David Hume

Mr David Hume is Executive Director, Citizen Engagement for the Government of British Columbia. His small but high impact team is helping ministries across government think through and launch better ways to bring British Columbians into the process of improving policy and services that affect them.

David has been full time with the Province of BC since May 2009. Before that, he has worked in various

consulting and project roles with the UN, OECD, the Province of New Brunswick, the Federal Government and the Government of New Zealand. Starting out in 2002, with an organisation called the KTA Centre for Collaborative Governance, and continuing as the owner/operator of his own firm, most of his work has focused on how and why the web matters to the way we govern.

Sriraman Jagannathan

Sriram joined Bharti Airtel in January 2010 to head the m-Commerce business to define the mCommerce and mPayments strategy and help build a viable and scalable business model for delivering large-scale financial inclusion in India. He is a consumer banker with 20 years' experience in Citibank, with the last five years in Japan as the e-business head to define and execute the Direct Bank strategy for Citibank Retail Bank.

His experience in managing the virtual business P&L in Japan - perhaps the most advanced digital market that spans across PC & Mobile internet, Automated Loan Machines, Direct Banking and Innovation - entailed managing all e-Business channels (secure banking, portal, alerts, e-Statements) and driving new online product development & innovation to help with banking/ financial needs of online customers. His team received the Global Finance award of the "best online consumer bank in Japan" in November 2009.

He has previously been the e-business head for Citi, India; the treasurer for the joint venture between Citi and Maruti Udyog Limited; the securitisation head for Citi in CEEMEA (Central & Eastern Europe, Middle East & Asia); and the CEO of a credit & collections JV between Citi & MGF. Sriram started his career with Citi in Cards, representing Citi in Visa & MasterCard fora. His team launched the first POS authorisation device for Diners Club in 1990.

Sriram is an MBA from the Indian Institute of Management (IIM), Ahmedabad, and an Engineer from the Indian Institute of Technology (IIT), Delhi.

SS Jena

Dr. Sitansu S. Jena is the Chairman, National Institute of Open Schooling (NIOS) – the largest Open School in the world – which functions as an autonomous institution under the auspices of the Ministry of Human Resource Development (MHRD), Government of India. Dr. Jena is also the Ex-officio Chairperson of the National Consortium for Open Schooling (NCOS), India. He is also the Founding Chairperson of the Commonwealth Open Schooling Association (COMOSA) formed under the aegis of Commonwealth of Learning (COL), Vancouver, Canada, for promoting open schooling system in the Commonwealth Countries.

Dr. Jena has earned significant expertise with more than two decades of involvement in the field of Open Distance Learning in the areas of curriculum development, continuing professional development, student support services, use of ICT and administrative and leadership qualities, including financing and accounting systems. Prior to his current assignment, Dr. Jena was a member of the faculty and Regional Director of the Indira Gandhi National Open University (IGNOU), New Delhi.

He also worked as Director of the Distance Education Programme of the Sarva Shiksha Abhiyan ('Education for All' programme of the Government of India) – a national-level project devoted for capacity building of teachers and other personnel engaged in the elementary education sector. He also worked

as Dean, School of Distance Learning, at the Narsee Munji Institute of Management Studies, Mumbai. Presently he is closely associated with the skill training programmes of the Government of India, specifically in the context of the policy formulation activities of the MHRD and the Planning Commission of India in the elementary, secondary and vocational education sectors.

Ashok Jhunjunwala

Dr. Jhunjunwala received his B.Tech degree from the Indian Institute of Technology (IIT), Kanpur, and his MS and Ph.D degrees from the University of Maine. From 1979 to 1981, he was with the Washington State University as Assistant Professor. Since 1981, he has been teaching at IIT, Madras, where he leads the Telecommunications and Computer Networks group (TeNeT). This group works with the business industry in the development of technologies relevant to India. It has incubated over 35 companies in the last 20 years. He chairs the Rural Technology and Business Incubator (RTBI) at IIT Madras and Mobile Payment Forum of India (MPFI).

Dr. Ashok Jhunjunwala has been the recipient of several awards, including the Padma Shri in 2002, the Shanti Swarup Bhatnagar Award in 1998 and the Dr. Vikram Sarabhai Research Award in 1997. He also received the Millennium Medal at the Indian Science Congress in 2000 and the IBM Innovation and Leadership Forum Award in 2006. He was conferred with the Bernard Low Humanitarian Award in 2009 and the “Bharat Asmita Vigyaan –Tantragyaan Shresththa Award” for the best use of Science & Technology through Innovation in 2010. He has also received Honorary Doctorates from the Blekinge Institute of Technology, Sweden, in 2008, and University of Maine, USA, in 2010. In 2010, he was also awarded the JC Bose Fellowship by the Department of Science and Technology, Government of India. He is a Fellow of the World Wireless Research forum, IEEE and Indian academies including INAE, IAS, INSA and NAS.

Dr. Jhunjunwala is a Director in the Board of TTML, Polaris, 3i Infotech, Sasken, Tejas, Tata Communications and Exicom. He is member of the Prime Minister’s Scientific Advisory Committee.

Jawahar Kanjilal

As the creator and Global Head of Nokia Life Services, Jawahar is responsible for pioneering Nokia’s efforts in bringing the benefits of the Internet and mobile services to enhance the daily lives and livelihoods of the millions in the emerging markets. Nokia Life is a range of Agriculture, Education, Healthcare and Entertainment services addressing millions of mobile consumers without timely access to their daily information needs, who probably would never use a PC. Nokia Life is live in India, China, Indonesia and Nigeria.

Before taking up this challenge in 2008, Jawahar was the Director of Multimedia Experiences in Asia Pacific bringing to market consumer services and experiences on Nokia Mobile devices spanning across music, imaging, games, internet, mobile TV and location-based experiences.

For over a decade, Jawahar has been actively involved in stimulating and steering the mobile services ecosystem with mobile operators, regulators, NGOs, development agencies, ISPs, broadcasters, music labels, games publishers, mobile marketers and the content community. Jawahar has been active on several industry bodies covering entertainment, broadcasting and mobile marketing. He also has several service innovations and a few patents to his credit for Nokia.

Rakesh Kanwar

Rakesh Kanwar is a Himachal Pradesh Administrative Service (HPAS) officer of the 1992 batch. He is currently Additional Secretary (Health) to the Government of Himachal Pradesh, as well as the Mission Director, National Rural Health Mission (NRHM). He has steered various ICT-based health initiatives in the state, including the mobile-based reporting for Health Management Information System (HMIS) Mother and Child Tracking System in the State of Himachal Pradesh.

Kiran Karnik

Kiran Karnik held the office of President of NASSCOM, the premier trade body and the “chamber of commerce” for the IT software and services industry in India, till January 2008. Prior to joining NASSCOM in 2001, Mr Karnik was the Managing Director at Discovery Networks in India where he spearheaded the launch of Discovery Channel in South Asia in August 1995, and Animal Planet (a Discovery – BBC joint venture) in 1999. From 1991 to 1995, Mr Karnik was Founder-Director of the Consortium for Educational Communication, which was responsible for the Countrywide Classroom broadcasts and other ICT initiatives of India’s University Grants Commission.

Earlier, he worked for over 20 years at the Indian Space Research Organisation (ISRO), where he held various positions including that of Founder-Director of ISRO’s Development and Educational Communication Unit. He has worked in the United Nations in New York and Vienna as Special Assistant to the Secretary-General of UNISPACE 82.

He is a member of the Scientific Advisory Council to the Prime Minister, the National Innovation Council and the Central Employment Guarantee Council. Presently, he chairs the international Steering Committee of the Commonwealth Connects programme.

He is also deeply involved with a number of NGOs working for education and the environment, and is the Honorary Chairman of the Indraprastha Institute of Information Technology; Chairman of Vigyan Prasar; President of India Habitat Centre and Chair of Oxfam India.

In a career spanning almost four decades, Mr Karnik has been conferred many awards and accolades, including the Padma Shri in 2007 (a civilian honour conferred by the Government). *BusinessWeek* named him as one of the ‘Stars of Asia’ in 2004 and he was selected as *Forbes*’ ‘Face of the Year 2003’. In 1998, International Astronautical Federation awarded him the Frank Malina medal for Space Education.

A post-graduate from Indian Institute of Management, Ahmedabad, he holds an Honours degree in Physics from Bombay University.

Krishan Khanna

Mr Krishan Khanna is the Chairman of i2k Solutions, which offers a universal platform for one-to-one-mentoring for all types of e-Learning content for school, college, university or corporate training. Prior to this, he has held various positions in the manufacturing sector. He was the President and CEO of Precision Fasteners Ltd, where he oversaw the company’s monumental growth, helping it to become India’s No. 2 company in its field. He has been an Expert Member in the Prime Minister’s Task Force on Skills Development & Employment Generation for the Nation; Member of the 11th Five Year Plan’s Working Group on Secondary Education & Vocational Education; Member of the expert committee on e-Learning and e-Infrastructure in the Ministry of IT and Communications. He has also been a member of various

working groups in the Ministry of HRD, IGNOU, AICTE and various chambers of business. He is the recipient of the National Citizen Award 1995-96, as ‘Technocrat of the Year’, presented by the Prime Minister of India, and the Social Business Pioneer Award 2010, presented by the worldwide Grameen Movement. In a career spanning over four decades, he has been involved in various business ventures in India, USA, Canada, Brazil, UK, Sweden, Germany, Italy, Iran, Singapore, Korea, Japan, China, Taiwan & Australia. In 1992, he began a journey of ‘Transforming INDIA through education’ by setting up the NGO ‘i Watch’.

Prakash Kumar

Prakash Kumar is a director in the global public sector practice of the Cisco Internet Business Solutions Group (IBSG), heading its Indian operations. He joined Cisco with more than 20 years of experience in the public sector, first at the field level and then at the policy level. In his work with the Cisco Internet Business Solutions Group (IBSG), Prakash’s focus is primarily on the public sector. He works at the senior-executive and political levels to help shape Internet business solutions and online strategies in India. He has also been a key member of the global team developing the Smart and Connected Communities (S+CC) Institute.

A consistent theme of Prakash’s professional experience has been public policy and management. He worked in various capacities with State Governments and the Central government in India as a member of the Indian Administrative Service (IAS), holding senior policy and management positions. He worked as Secretary to the Government of Delhi looking after Information Technology and Technical Education from 2002 to 2006 before moving to the central government as Joint Secretary in the ministry of earth sciences. In 1990s, he worked as Additional Commissioner (Systems) of Sales Tax and Secretary to Governor of a state. In the beginning of his career with the government, he worked as the CEO of two districts. He is a strong advocate of right to information, a topic on which he has authored three books and written columns in national dailies on the Right to information and Info tech.

In his consulting work, Prakash specialises in strategy, policy analysis, and the use of ICT to improve the delivery system of the government, especially in developing countries. He holds a Bachelor’s degree (B.Tech) in Electrical Engineering from the Indian Institute of Technology (IIT), Kanpur, India, and a Masters degree in policy analysis from the National Graduate Research Institute for Policy Studies, Tokyo, Japan.

Rajendra Kumar

Dr Rajendra Kumar is a senior officer in the Indian Administrative Service (IAS) and is currently working as the Director (Projects) in the National eGovernance Division (NeGD) of the Department of Electronics & Information Technology (DeitY), Government of India. He is leading the National Population Register (NPR) project within the DeitY and is also heading the new Mobile Governance and E-Pramaan (E-Authentication) initiatives.

Dr. Kumar holds a PhD in international economic development and regional planning and an MCP from the Massachusetts Institute of Technology, USA, an MTech from the Indian Institute of Technology, Delhi, and a BTech from the Indian Institute of Technology, Kanpur. He has authored a book and written several articles in international journals.

He can be reached at: kumarr@alum.mit.edu.

Carl Leitner

Dr Carl Leitner is an Open-Source Developer and HRH Informatician at IntraHealth International, working with the CapacityPlus global project. He is passionate about finding context-appropriate solutions and developing local capacity to customise, implement, and maintain software solutions. Mr Leitner is a member of the American Medical Informatics Association. He also works regularly with local and regional partners to ensure successful and sustainable routine Human Resource Information Systems (HRIS). He holds a PhD in Mathematics from the University of Arizona and a Bachelor's degree in Mathematics from the University of North Carolina, Chapel Hill, and has worked in various countries, including Angola, Botswana, Israel, Ghana, Kenya, Lesotho, Tanzania and the USA.

Samantha Liscio

Dr Samantha Liscio is the Corporate Chief Strategist at the Ontario Public Service, Government of Ontario, Canada. She leads the alignment of I&IT strategy, policy and technology with government priorities and directions. Samantha brings to this position her extensive strategy and planning background, as well as her knowledge and experience as a Chief Information Officer. Previously, Samantha was the Chief Information Officer with the Government of Ontario in the Central Agencies I&IT Cluster. As CIO, Samantha provided information and information technology leadership to the ministries of Finance, Revenue, Energy and Infrastructure and Cabinet Office. During her tenure, Samantha delivered key initiatives including the Ontario news room, infrastructure stimulus tracking portal, Ontario taxes online and launched one of the first public sector telework pilots with 10 per cent of staff working remotely three days per week.

Samantha's career has spanned technical training, web development, change management, project management and business consulting. A management and IT consultant since 1996, Samantha joined the Government of Ontario in 2001. From 2002 to 2007, Samantha was the Head of the Project Management Office and Customer Service in Infrastructure Technology Services (ITS) in the MGS. She joined the Central Agencies Cluster in 2007 as Head, I&IT Strategy and Planning, where she provided leadership in strategic planning, communications, project and information management, IT security, privacy and architecture. Hailing from Northern Ireland, Samantha earned a Bachelor of Science and a PhD from Queen's University in Belfast. She is a Project Management professional and has worked in both the private and public sectors in Canada.

Arun Maira

Arun Maira was appointed a Member of the Planning Commission in the Government of India in July 2009.

He is a thought leader and writer on the subjects of transformational change and leadership. He is a frequent speaker at international forums on the future of India. He is the author of several books including "*Transforming Capitalism: Improving the World for Everyone*", "*Remaking India: One Country, One Destiny*", and "*Shaping the Future: Aspirational Leadership in India and Beyond*".

Mr Maira worked for 25 years in the Tata Group in India in senior management and board positions. He worked with Arthur D. Little Inc., the international management consultancy, in the USA from 1989 to 1999, and consulted with companies across the world on issues of growth strategies and trans-

formational change. He returned to India in 2000 and became the Chairman of The Boston Consulting Group in India, prior to joining the Planning Commission.

SS Mantha

Dr SS Mantha, an eminent academician and administrator, is the Chairman of the All India Council for Technical Education (AICTE). He holds a Bachelor's degree in Mechanical Engineering from MS University, Baroda, and a Masters in Mechanical Engineering from VJTI, Mumbai. His previously-held positions include Professor and Head, Department of Mechanical Engineering and Pro Vice Chancellor, SNDT Women's University.

He specialises in Robotics, which he taught for more than 15 years. He was instrumental in setting up a state of art Robotics / CAD / CAM laboratory at VJTI, providing consultancy in the area of Industrial Automation to the industries in Mumbai and Pune. His research interest in the area has also seen him provide expertise to DRDO and BARC projects.

He holds a PhD in Combustion Modelling from the University of Mumbai. He implemented the first e-governance project, automating the workflows, for the department of Higher and Technical Education, Government of Maharashtra, in 1995. Furthermore, he provided IT expertise for IT initiatives of several departments of the Government of Maharashtra. He is also the IT Expert for the Department of IT, Government of Maharashtra, and has earned wide recognition and various awards for his contributions.

Dr Mantha is currently in the process of evolving a National Vocational Education Qualification framework which would help in promoting skill-based competency modules to be integrated into eight certification levels, where a student can undergo skill-based learning that enhances employability and employment opportunities, and also allows him/her the flexibility to pursue formal education or take up an appropriate job at the end of any level of certification.

Ayub Many

Mr Many is a medical Epidemiologist working in the Kenyan Ministry of Health. He obtained his basic medical degree (M.B.Ch.B) at the University of Nairobi in 1994. Upon completion, he worked in a hospital as a general practitioner before joining the public health practice. At the post graduate level, he was in the first cohort of the Kenyan Field Epidemiology and Laboratory Program (FELTP) where he majored in applied epidemiology.

Currently, he is the Deputy Head of the Division of Health Information System of the Ministry of Health and is in charge of the health informatics unit of the division. The main mandate of the unit is to develop and maintain health information software and disseminate health information products. He coordinates all the activities of the District Health Information Software (DHIS 2), the new software for data management. Prior to joining Health information System, he had worked in various capacities as a monitoring and evaluation focal person.

He has authored several peer review papers and presented them in both national and international conferences. He lectures on molecular epidemiology to graduate students at the Institute of Tropical Medicine and Infectious Diseases (ITROMID) of Jomo Kenyatta University of Agriculture and Technology on a part-time basis.

DK Mittal

Dinesh Kumar Mittal, is a 1977-batch Uttar Pradesh (UP) cadre Indian Administrative Service (IAS) officer, and is currently Secretary, Financial Services to the Government of India. An M.Sc in physics, he began his career in the IAS as a subdivisional officer in UP and has held various key posts both in the state and at the Centre. Some of his important assignments in UP included stints as district magistrate in Auraiya and Barabanki districts and as vice chairman of the Ghaziabad Development Authority. Between 2004 and 2008, he was on deputation to infrastructure company IL&FS where he served as CEO, followed by key positions in ministries dealing with economic affairs. He joined the Ministry of Commerce as Additional Secretary and served as Secretary to the Government in the Corporate Affairs Ministry before assuming his current position.

Neil Mylet

Neil Mylet is the Founder and Chief Executive Officer of LoadOut Technologies. He started the company in his college dorm at Purdue University and now has a team of more than 20 people from seven countries who are part of the LoadOut team. The company delivers solutions which enable mobile technology to improve the productivity, efficiency, and safety for the people of agriculture and rural communities.

Neil grew up on his family's fifth generation corn and soybean farm in Indiana, USA. During the growing seasons, he works long hours on the farm in an effort to help his family plant and harvest the crops. Having lived on a farm his entire life, Neil respects agriculture's role in sustaining a positive family and community atmosphere.

When not working, Neil strives to encourage international collaboration between businesses, universities, and citizens. In 2011, he launched an innovation initiative to bring people of rural American communities together with rural citizens from other countries. He also enjoys travelling to international destinations to build dialogue and friendships in an effort to become better educated on agricultural practices and cultures. By the same token, Neil and his family enjoy hosting foreign delegates, students, businesses, and educators at their farm in Camden.

Nandan Nilekani

Nandan Nilekani is currently the Chairman of the Unique Identification Authority of India (UIDAI) - which aims to provide a unique identification number for all residents of India - in the rank and status of a Cabinet Minister. Nandan Nilekani was most recently the co-chairman of the board of directors of Infosys Technologies Limited, which he co-founded in 1981. Serving as a director on the company's board since its inception to July 2009, he has held various posts at Infosys, including the Chief Executive Officer and Managing Director, President, and Chief Operating Officer.

Nilekani co-founded India's National Association of Software and Service Companies (NASSCOM) as well as the Bengaluru chapter of The IndUS Entrepreneurs (TiE). He is a member of the board of governors of the Indian Council for Research on International Economic Relations (ICRIER) and the President of National Council of Applied Economic Research (NCAER), India.

Born in Bengaluru, Nilekani received his Bachelor's degree in Electrical Engineering from the Indian Institute of Technology, Mumbai. He was named the Corporate Citizen of the Year at the Asia Business Leaders Award (2004) organised by CNBC. In 2005, he received the prestigious Joseph Schumpeter prize for innovative services in economy, economic sciences and politics.

He was awarded one of India's highest civilian honours, the Padma Bhushan, in 2006. In the same year, he was also named Businessman of the Year by *Forbes Asia*. *Time* magazine listed him as one of the 100 most influential people in the world in 2006 and 2009.

Kayode Odusote

Prof Kayode Odusote is a Nigerian medical graduate of the University of Ibadan, Nigeria. He had his specialisation in Internal Medicine/Neurology at the Lagos University Teaching Hospital, Nigeria, McGill Neurological Institute, Montreal, Canada and Neurology Institute, Queen Square, London, England.

After specialisation, he was employed as a Lecturer/Consultant Neurologist at the University of Lagos/Lagos University Teaching Hospital and rose to the rank of Professor of Medicine before he was appointed the Secretary of the West African Postgraduate Medical College. In that position, he oversaw the training of medical specialists in the five Anglophone West African countries of Gambia, Ghana, Liberia, Nigeria and Sierra Leone, through the Constituent Colleges (West African College of Surgeons and the West African College of Physicians).

In 2001, he was appointed the Director of Human Resources Development of the West African Health Organisation, the health Agency of the Economic Community of West African States, made up of all the 15 countries in West Africa. In that capacity, he worked with the Ministries of Health of the 15 countries to address the issue of human resources for health, especially the crisis which became a global concern since 2005. From 2008, he worked with the countries on the use of Information and Communication Technology (ICT) to strengthen their Human Resources Information Systems (HRIS). He is currently the Chief Executive of the Foundation for Sustainable Development and Regional Consultant to Capacity Plus on HRIS.

Santosh Panda

Professor Santosh Panda is the Professor of Distance Education, STRIDE, Indira Gandhi National Open University (IGNOU), New Delhi. He completed his MA, MPhil and PhD in Education from Kurukshetra University, India. Since 1997, he has been the Professor of Distance Education, Staff Training & Research Institute at IGNOU. His areas of specialisation include Higher Education, Distance Learning, Online Learning, Teacher Education, Educational Technology & Technology Policy, Instructional Design and Curriculum Development, Adult & Continuing Education, Open Schooling & Open Basic Education, among several areas.

During the past 26 years of university teaching/research/administration, he has provided consultancy for several organisations, including the British Council, Commonwealth of Learning, IDRC, UNDP, UNESCO, World Bank, Ford Foundation, the governments of China, Nepal, Lesotho, Nigeria, and to the Government of India and UNDP on training of bureaucrats for distance and online training.

Since 1994, he has been the Chair and/or Member of Visiting Teams of University Grants Commission, National Assessment & Accreditation Council, National Council for Teacher Education, Government of National Capital Territory, Delhi and DEC. He also sits in the Selection Committee for Professorship at several higher education institutions worldwide, including the British Open University (UK), Robert Gordon University (UK), National University of Lesotho (South Africa), Universiti Sains Malaysia (Malaysia), University of Jammu (India), Kerala University (India), Garhwal Central University (India) and IGNOU (India).

He has visited, presented keynotes, and conducted workshops in 25 countries, with over 300 workshops in India and 40 workshops overseas, on higher education, teacher education and open, distance, online, blended and lifelong learning.

He sits in the Editorial Board of over 15 prestigious internationally refereed journals including: *International Journal of Educational Media (USA)*, *International Journal for the Scholarship of Teaching & Learning (USA)*, *International Review of Research in Open and Distance Learning (Canada)*, *Journal of Research in Learning Technology (Routledge, UK)*.

T Ramasami

Dr T Ramasami, currently Secretary to the Government of India, Department of Science and Technology, holds a Masters degree in Leather Technology from the University of Madras, India, and a PhD in Chemistry from the University of Leeds, UK. He has also worked on energy research in Ames Laboratory Iowa, USA, and on electron transport phenomena in the Wayne State University, USA, prior to returning to India.

He joined the Central Leather Research Institute, Chennai, as a scientist in 1984 and served as its Director for more than 10 years up to May 2006. The institution earned a global leadership status during his tenure as its Director, as evidenced by the 30% global share of publications, >7% share of global patents, positions in fashion forecasting and the level of public-private partnership built in leather research.

Dr Ramasami assumed the role of Secretary (Science and Technology) in May 2006. He is engaged in the development of policies and programmes to attract talent to study and build careers with science, rejuvenation of research in universities, stepping up of international S&T cooperation, development of public-private partnerships in R&D sector and accountability of public-funded research, development and demonstration.

He has a large number of publications in highly peer-reviewed journals and a significant number of patents, which are under commercial exploitation. His research experience spans several areas in both basic and applied sciences. He has made some important contributions in the fields of inorganic chemistry as well as chemical and leather related technologies. He has earned several professional recognitions in both India and abroad. These include Shanti Swarup Bhatnagar Prize for chemical sciences in 1993, election to all major science academies as a fellow as well the Third World Academy of Sciences and the National civilian award Padma Sri in 2001.

K Anvar Sadath

Mr K Anvar Sadath is the Executive Director of the IT@School Project under the Government of Kerala. He also heads the satellite-based education (EDUSAT) initiatives in the State and runs an exclusive educational channel called 'ViCTERS' (Virtual Classroom Technology on Edusat for Rural Schools). He leads the implementation of ICT-enabled education, broadband internet, ICT infrastructure deployment, e-Governance activities, e-Content development, capacity building programmes, Smart School initiatives and Laptops to Teachers scheme in the Education Department of the state, which caters to six million students and two million teachers. He is also a member in the Syndicate of Cochin University of Science & Technology (CUSAT).

Before his present assignment, he was working as the Director of Akshaya, the largest tele-centre

project in India, wherein he was instrumental in establishing the Rural Internet Connectivity Infrastructure deployment, in addition to imparting computer literacy to 6.4 million families through 3,000 telecentres. He was also heading the UNDP supported e-Krishi project, a market-led agricultural initiative through IT-enabled agri business centres. He has also worked with the Information Kerala Mission – the agency for the computerisation of local self-government Institutions in Kerala. He has a Masters degree in Computer Applications and started his career with C-DAC. Under his leadership, the IT@School project has been recognised both at the national and international spheres.

R Saravanan

Dr R Saravanan is currently working as an Associate Professor (Communication) and In-Charge, School of Social Sciences, College of Post Graduate Studies, Central Agricultural University (CAU), Barapani (Umiam), Meghalaya, India. He has a specialisation in the area of ICTs for agricultural extension and innovations. In 2006, he was awarded the Netherlands Government Fellowship and has undergone the “Advanced Course in Up-scaling Participatory Approaches and Social Learning”, at the Wageningen International, the Netherlands. His publications include three books, *Information and Communication Technology for Agriculture and Rural Development (2011)*, *ICTs for Agricultural Extension: Global Experiments, Innovations and Experiences (2010)* and *Agricultural Extension: Worldwide Innovations (2008)*, as well as 30 articles in the refereed scientific international and national journals.

He was an Organising Secretary of the National Seminar on Information and Communication Technologies for Agriculture and Rural Development (ICT4ARD-2009) at Pasighat, Arunachal Pradesh State, India, in 2009. He was the Principal Investigator of the first village-level e-Agriculture initiative, the e-Arik (e-Agriculture) project in Arunachal Pradesh, funded by the DSIR, Ministry of Science and Technology, Government of India. The e-Arik project was awarded National level “Best e-Governed Project- Special Jury Award 2008” by the Computer Society of India (CSI) - Nihilent e-Governance Awards.

He is currently undertaking two innovative e-Agriculture research projects: the Model e-Village project in collaboration with C-DAC, Hyderabad, which was awarded the “e-North-East Award 2011”, and the NABARD-sponsored project on e-AgriKiosk for farm technology transfer among tribal farmers of the Arunachal Pradesh.

J Satyanarayana

Shri J Satyanarayana is Secretary to the Government of India in the Department of Electronics and Information Technology. A member of the Indian Administrative Service from the 1977 Batch of the Andhra Pradesh cadre, Shri Satyanarayana has been Special Chief Secretary in the state of Andhra Pradesh. During his various assignments in Andhra Pradesh, he has served as Principal Secretary, Health, Medical & Family Welfare Department, Principal Secretary, IT and Communications and CEO of National Institute for Smart Government.

Holding a Master of Sciences in Physics and an MBA from University of Ljubljana (Slovenia), Sh Satyanarayana has made wide contributions to the cause of e-Governance. Founder of e-Seva, a one stop shop for citizen services, he was the one responsible for mentoring NISG as a Centre of Excellence in e-Government consultancy and capacity building leading to formulation of e-Governance and Capacity Building Roadmaps for the State Governments and Union Territories in India.

Responsible for conceptualisation and development of large e-Government projects for the Ministries of Central and State Governments in India, for example the MCA 21 for Ministry of Corporate Affairs, e-Biz for Ministry of Industries, Passport Seva Project for the Ministry of External Affairs, Bangalore One and e-Procurement for the Government of Karnataka, Goa Broadband Network for the Government of Goa, he has been instrumental in training the political leaders and policy makers on the concepts and principles of e-Governance.

He has written books titled, 'e-Government, the science of the possible' and 'Managing Transformation: Objectives to Outcomes' that capture his wide experience in the field of e-Governance. Shri Satyanarayana was honoured by the Council of Ministers of Andhra Pradesh, which passed an extra-ordinary resolution, placing his services on record for the successful implementation of the CARD project for the computerisation of the Registration and Stamps Department in the state.

Ravi Saxena

Ravi Saxena holds the Post of Additional Chief Secretary, Department of Science and Technology and supervises six scientific organisations, including Gujarat Science City, Gujarat State Biotechnology Mission, Gujarat Council on Science & Technology, BISAG, Institute of Seismological Research (ISR) and Gujarat Informatics Limited (GIL).

He joined the IAS in 1978 in the Gujarat cadre. He spent a significant part of his career in business management, in his capacity as Managing Director of PSUs in the state of Gujarat. He contributed to the development of the Industrial and Economic infrastructure of Gujarat as the Chief of Gujarat Industrial Development Corporation and Gujarat Infrastructure Development Board. He has made his mark as Secretary in Departments like Transport, Prohibition, Jails, Social Justice & Empowerment and Health, as also Principal Secretary (Planning) for Gujarat. He worked with the Department of Atomic Energy, Government of India as Director, Nuclear Power.

Ravi Saxena obtained his degree in M.Sc (Physics) from Banaras Hindu University in 1971 and has continuously been engaged in a variety of public offices since then, both in the Government of India as well as that of the State of Gujarat.

RS Sharma

Mr RS Sharma is the first Director General of the Unique Identification Authority of India (UIDAI). He is an Additional Secretary Rank Officer belonging to the 1978 batch of the Indian Administrative Service. He belongs to the Jharkhand Cadre where he has implemented a number of e-Governance projects as Principal Secretary of the Information Department.

He is currently working as Director General & Mission Director (DG&MD) of UIDAI and is responsible for implementing a very ambitious and challenging project undertaken by the Government of India for providing unique Identification to all its residents.

Prior to this assignment, Mr Sharma worked with the Government of Jharkhand as Principal Secretary of the Departments of Science and Technology and Drinking Water and Sanitation. His previous assignments include Principal Secretary of the Departments of Information Technology, 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 has held important positions, both in the Government of India and State Governments in the past. He has worked in sectors like Finance, Transport, Treasury, Provident Fund and Water Resources and has been deeply involved in the administrative reforms and leveraging IT to simplify the administrative processes. During his tenure in the Government of India, he worked in the Department of Economic Affairs and has dealt with bilateral and multilateral development agencies like World Bank, ADB, MIGA and GEF.

Mr Sharma's contributions to IT and e-Governance have been widely recognised. He has been responsible for implementing a number of projects relating to ICT Infrastructure, Process Re-engineering and Service Delivery in Public Private Partnership (PPP) mode.

Mr Sharma holds a Masters Degree in Mathematics from the Indian Institute of Technology (IIT), Kanpur (India) and a Masters in Computer Science from the University of California, USA.

Rajiv Sharma

Dr Rajiv Sharma is a 1982-batch Andhra Pradesh cadre Indian Administrative Service (IAS) officer. He is currently the Mission Director of the National Mission Clean Ganga (NMCNG) in the Ministry of Environment and Forests. Prior to this, he has served as the D-G and Executive Director of the Centre for Good Governance, Hyderabad, as Secretary in the Department of Panchayati Raj and Rural Development, as Member-Secretary of the Pollution Control Board and as Commissioner and Director in the Technical Education and Agriculture departments.

Harsha de Silva

Harsha de Silva is a Member of Parliament of Sri Lanka representing the United National Party. A 2011 Eisenhower Fellow, he is an economist, entrepreneur, academic and a researcher with many years' experience in Development Finance, ICT and Development, Infrastructure Financing, socio-political and market research and a brief stint in economic policy formulation. He has taught economics in Sri Lanka and the US and has researched and published articles on the economics of ICT for development across Asia and in Africa. He also consults with several knowledge-based non-profits including LIRNEasia, a regional ICT policy and regulation think tank active across the Asia Pacific. He is also the co-founder of what is today called 'The Nielsen Company' in Sri Lanka.

Padamvir Singh

Padamvir Singh is the Director and Chairman of Center for Disaster Management, Lal Bahadur Shastri National Academy of Administration (LBSNAA). He took over as the Director of the LBSNAA in September 2009. Before that, he was the Special Director. Prior to 2007, when he joined the Academy in Mussoorie as the Joint Director, he was Principal Secretary, Public Works Department and Information Technology in the Government of Madhya Pradesh.

He has, in his three decades of public life worked as Secretary to the State Government, Head of Department, Managing Director of Public Sector Undertakings and District Magistrate.

He also served as Deputy Director at the Lal Bahadur Shastri National Academy of Administration between 1991 and 1996, as Director of the Madhya Pradesh Academy of Administration and as Secretary of the Indian Institute of Advanced Study, Shimla.

He pursued a degree in Economics (Honours) from St. Stephen's College, Delhi University. Thereafter, after pursuing post graduate studies for a year each in Philosophy and Politics, he joined the Indian Administrative Service in 1977 and was allocated to the state of Madhya Pradesh. He was a fellow at MIT, Boston, in 1992. His academic interests are in the areas of governance, administrative reforms, total quality management, institution building, training, ethics, philosophy and psychology.

NK Sinha

Mr NK Sinha joined the Indian Administrative Service in 1980 and was assigned to the Bihar cadre. He currently serves as Additional Secretary in the Department of Higher Education at the Ministry of Human Resources Development. He has held several senior posts, both in the Bihar State government as well as the Central Government in New Delhi. He has also served as Secretary in the Transport Department in Bihar and as the Chief Electoral Officer of Bihar. He has a BE and ME in Electrical Engineering and an MBA.

Anil Swarup

Mr Swarup is currently the Director General, Labour Welfare and Additional Secretary, Ministry of Labour & Employment, Government of India, handling issues relating to the welfare of workers in the unorganised sector and the implementation of National Health Insurance Scheme (RSBY). In just over three years of implementation of this cashless and smart card based health insurance scheme, around 90 million people have been provided insurance cover. The scheme has come to be recognised the world over and was selected by UNDP/ILO as one of the top social security schemes for publication.

Prior to this assignment, he was the State Secretary, Department of Food Processing and Horticulture, and was involved in formulating the Food Processing Policy for the State that resulted in a substantial increase of investment in the State. He also served as the Managing Director, State Financial Corporation, where he was responsible for the turnaround of the Corporation that was making losses for the previous seven years.

As a Secretary, Externally Aided Projects, State Government of Uttar Pradesh, he was also involved in the streamlining of World Bank-aided projects in the State. He was the Chairman, Agriculture and Processed Food Projects Export Development Authority (APEDA), Ministry of Commerce, Government of India, and also served the Ministry of Commerce, Government of India, as the Export Commissioner.

Hiroshi Takeda

Hiroshi Takeda MD is a Professor Emeritus at Osaka University. He also serves as the Dean and Professor, Graduate School of Health Care Sciences at the Jikei Institute. He graduated from Osaka University Medical School in 1971 and is an accredited heart physician.

As Professor of Medical Informatics at the Graduate Medical School of Osaka University and

Chief Medical Information Officer (1998-2010) of Osaka University Hospital, his team developed a totally paperless hospital information system in 2010. He also served as the Vice President of the International Medical Informatics Association (IMIA) from 2004 to 2010. As the Director of Healthcare Quality Management of the University Hospital from 2001-2008, he is also a pioneer for patient safety in Japan. He served as the President of Healthcare Quality Management Association of Japanese National University Hospitals from 2002 to 2008.

He can be reached at h-takeda@ghsj.ac.jp

Ivar Tallo

Ivar Tallo is a former Member of Parliament as well as a former Foreign Policy Advisor to the President of Estonia. He is the author of the Estonian Ethics Code for Civil Servants and specialises in public policy, government and information, public ethics and state philosophy. Tallo is one of the Founders and the first Director of the e-Governance Academy in Estonia. He has also served as a regional ICTD advisor for the Bratislava Center of the UNDP.

TP Trivedi

Dr T P Trivedi is the Project Director of Directorate of Knowledge Management in Agriculture (DKMA), Indian Council of Agricultural Research, New Delhi. In addition, he holds the position of Assistant Director General, Agricultural Knowledge Management. His position has the responsibility of packaging information, public relations, publicity and knowledge sharing by using e-resources and other instruments at the national and international level.

In his professional career spanning over three decades as a scientist, he has organised various training programmes and meetings and also implemented ICAR and World Bank supported inter-disciplinary programmes on Pest Management in Public Private Partnerships. Dr Trivedi has received a number of awards and accolades of honour for various outstanding accomplishments. He has more than 200 publications and has also published five books.

Geoff Walsham

Professor Walsham is the Professor Emeritus of Management Studies (Information Systems) at the Judge Business School, University of Cambridge. He holds a BA and MA from the University of Oxford, an MSc from the University of Warwick and a LittD from the University of Cambridge.

Professor Walsham worked for four years as an operational research analyst at BP Chemicals before taking up academic posts in operational research and then information systems. He has extensive international experience having worked as a teacher, researcher and consultant in over 25 countries in Europe, the Americas, Africa and Asia. He was part of the senior management team for the telecommunications company Analysys during its start-up and early growth phases. Professor Walsham has also held university management posts including being Director of the Cambridge MBA. He has wide editorial experience, having been a Senior Editor of both *MIS Quarterly* and *Information Systems Research*, and he is currently an editorial board member of a number of other academic journals.

He has held lectureships at Mindanao State University in the Philippines, the University of Nairobi in Kenya, and the University of Cambridge, and a professorship at the University of Lancaster.

His research interests include the development, use and management of information and communication technologies and systems, and implications for work, organisations and societies.

Edgar A Whitley

Edgar Whitley is a Reader in Information Systems in the Information Systems and Innovation Group of the Department of Management at the London School of Economics and Political Science. Edgar was the research co-ordinator of the influential LSE Identity Project on UK's proposals to introduce biometric identity cards; proposals that were scrapped following the 2010 General Election. Together with Gus Hosein, he has recently published the book, "*Global challenges for identity policies*". This analysis of UK's identity policy proposals has resulted in Edgar advising other governments about the political, technological and social challenges of identity policies. He is currently working with UK's Cabinet Office on its citizen-centric Identity Assurance programme.

Edgar has a BSc in Economics and a PhD in Information Systems both from the LSE and is the co-editor for the journal *Information Technology & People*. Edgar's research draws on his interests in social theories and its application to information systems. He is currently involved in an interdisciplinary research project EnCoRe (www.encore-project.info) that is addressing the role of consent (and the revocation of consent) as a mechanism for providing control over the use of personal data by commercial and public-sector organisations.

Caitlin Wiesen

Ms Caitlin Wiesen is the Country Director, UNDP, India. She has over 20 years of development experience, working on issues of poverty reduction, governance, civil society empowerment, gender, sustainable human development, HIV and health.

Ms Wiesen has performed a variety of functions both at headquarters and at the Country Office level. Most recently, she held the position of Regional Practice Leader & Programme Coordinator for Asia and the Pacific on human rights, gender inequality and the human development dimensions of HIV - based in Colombo, Sri Lanka. Prior to that, she served at headquarters holding the positions of Senior Poverty and Sustainable Human Development Advisor for Africa (1993-1998) followed by Director, Civil Society Division in the Bureau of Strategic Partnership (1999-2002) and subsequently assumed the position of Senior Advisor and Deputy Director HIV, for the Bureau of Development Policy (2003-2006).

She has regional, global and country level experience from Asia and the Pacific, Africa, North America and Europe. She holds a Masters degree in International Finance and Energy Policy from the Fletcher School of Law and Diplomacy.

John Yates

John Yates was appointed to the position of CEO, Manipal City & Guilds in April 2012. Manipal City & Guilds is the joint venture between Manipal Global Education and The City & Guilds of London Institute, formed with the purpose of driving forward the vocational skills development agenda and capability across India, as well as training current and future employees across a range of industry disciplines. He is currently in the process of relocating to India with his family.

John remains a Management Board member at City & Guilds, where he was appointed to the new role of City & Guilds Director of Product Development in January 2010. During his tenure he has overseen the complete platform migration of City & Guilds' online testing capability, and the acquisition of the e-portfolio business Learning Assistant, alongside a reorganisation of the entire product development function.

John has a strong background in vocational and higher education and has worked at Pearson Education, BPP Learning Media and Cengage Learning EMEA, where he was responsible for managing and developing broad educational product portfolios.

He has extensive technical and educational publishing expertise and for the past decade has been at the cutting-edge of advancements in e-learning technology and how it can be harnessed for the benefit of teachers and learners.

Chris Hopfensperger

As Technology Policy Counsel, Chris Hopfensperger works with the Business Software Alliance's members to develop the BSA's technology policy positions and articulate these positions to the US and international policy makers. He advises members in such critical areas such as innovation, copyright protection, privacy, e-commerce, and cloud computing.

Prior to joining BSA, Hopfensperger served as a technology and trade policy associate with K&L Gates, where he advised companies and industry associations on pursuing legislation and representing their issues before Congress and the federal agencies and in the courts. Previously, Hopfensperger worked as a newspaper journalist. He edited and wrote for several metropolitan dailies, including *The Washington Post*, *The Sacramento Bee*, and the *St. Petersburg Times*.

Hopfensperger holds a law degree from the University of Michigan and a Bachelor's degree in journalism from the University of Nebraska. He is based in BSA's Washington, DC, office.

SS Mathur

SS Mathur is the General Manager, Information Technology at the Centre for Railway Information Systems (CRIS). He joined the Indian Railways in 1986 as a Mechanical Engineer. He has been closely involved with IT in the Railways since 1988. He was part of the group implementing the integrated IT system at Rail Coach Factory, Kapurthala, from 1988 to 1995. He worked as the GM (MIS) and CIO of Container Corporation of India, a Government of India undertaking, from 1997 to 2000. From 2002 to 2006, he worked as the Director, Computerisation and Information Systems, in the Ministry of Railways (Railway Board), where he was closely associated with the formulation of IT policy in the Railways. Since 2006, he has been part of the Centre for Railway Information Systems (CRIS), the IT arm of the Indian Railways.

Lokesh Mehra

Lokesh Mehra is the Director, Education Advocacy at Microsoft Corporation India and is responsible for managing strategic relationships with the Ministry of Human Resource Development and institutional bodies, policy-led engagements and skill development initiatives.

Prior to Microsoft, Lokesh worked as the Regional Manager - Corporate Responsibility for the South Asia Region at Cisco and was spearheading and driving Cisco's education charter in

both the philanthropic and commercial markets. He was responsible for plotting the company's strategy for Corporate Affairs and aligning Asia Pacific and global programmes for the benefit of the region.

Lokesh has spoken at several public forums hosted by CII, EDGE, FICCI, NASSCOM, International Telecom Union (ITU), UNDP, etc. and has authored several articles published in leading newspapers and magazines.

By profession, an Electronics Engineering graduate and an MBA, Lokesh has had stints with other major companies like Intel, NIIT, Benchmark Microsystems, etc. He has over 21 years of experience in Education, Marketing, Product Management, Sales and Channel Development in the IT industry.

Murlidhar S

Murlidhar is the Co-Founder and CEO of MeritTrac Services Pvt Ltd - India's largest testing and assessment company. Murlidhar is a successful new-age entrepreneur who has used his professional training and corporate experience to create a unique business venture in the area of assessments, which in 2000 was an unknown area of business. Murlidhar is a Mechanical Engineer from NIT Surathkal and an MBA from IIM Lucknow.

Prior to starting MeritTrac, he has had successful stints with leading companies like L&T, Asian Paints and 3M. Murlidhar is a charter member of TiE Bangalore and is actively involved in mentoring and supporting entrepreneurs. He has been featured in various articles and books on entrepreneurship and business. Recently he was featured in *The Fresh Brew*, a book that showcased the entrepreneurial journey of 25 alumni from his alma mater IIM, Lucknow. Murlidhar is also a sought-after speaker who has shared valuable insights in numerous national and international conferences on topics related to assessments, entrepreneurship etc. Apart from Assessments and Entrepreneurship, Murlidhar has an avid interest in Ancient History.

Rohit Kumar Singh

Rohit Kumar Singh is a 1989-batch Rajasthan cadre Indian Administrative Service (IAS) officer. He is currently a Joint Secretary in the Ministry of Road Transport and Highways. Prior to this, he has served as Commissioner in the Information Technology Department, and as Secretary in the Rural Development and Sports and Youth Affairs Departments. He holds a B. Tech in Electrical Engineering, an M. Sc in Computer Technology and a Masters in Management and Public Policy from Harvard University.

Sridharan Sankaran

Sridharan Sankaran is Senior Director (Product Development), Information Intelligence Group, EMC. He joined EMC India Center of Excellence (COE) in December 2004 and, since then, has been leading the product development operations for the group in the COE.

He has worked at various levels from individual contributor to senior management in various software product developments, sustenance and custom project engagements in a career spanning over 32 years. He has significant management skills and experience in handling software products engineering. He has previously worked with Hewlett Packard, Oracle and the Department of Atomic Energy in Mumbai. He has an M.Tech in Computer Engineering from the Indian Institute of Technology (IIT), Kharagpur and a BE (Hons) in Electronics & Communication Engineering from PSG Tech, Coimbatore.

