

UK-India Manufacturing Policy Roundtable

9 APRIL 2014 | TAJ MAHAL HOTEL | NEW DELHI, INDIA

BACKGROUND

There has been rapidly growing interest in manufacturing in India and the UK. Both countries have been developing new policies towards industry and manufacturing and both have declared a wish to grow the manufacturing elements of their economies.

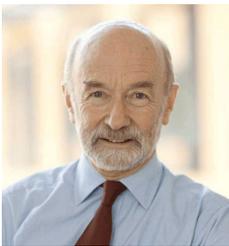
This meeting is being convened to enable a small group of government, agency and industrial representatives from India and the UK to share views on emerging patterns of global manufacturing and on the implications for each country's policies, industrial practices and manufacturing innovation systems.

The event will include presentation and discussion of recent manufacturing developments in each country. From the UK side this will include senior officials with responsibility for Industry Policy, Manufacturing Foresight and the new High Value Manufacturing Catapult Centres which are building close links between industry and universities.

Agenda

- 14.15 **Welcome**
Professor Sir Mike Gregory, Head, Institute for Manufacturing, University of Cambridge
- Industrial and Manufacturing Strategy:**
- 14.30 Chris Carr, Department for Business, Innovation and Skills
- 14.50 Ajay Shankar, Member Secretary, National Manufacturing Competitiveness Council
- 15.10 Q&A
- Manufacturing Foresight:**
- 15.20 Paul McCaffrey, Project Leader, Future of Manufacturing Project Foresight, UK Government Office for Science & Professor Steve Evans, UK Centre for Industrial Sustainability; Member of Foresight Expert Group
- 15.40 Prof. B. Ravi, Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay
- 16.00 Q&A
- 16.10 *Refreshments*
- The Role of Intermediary Institutions:**
- 16.20 Dick Elsy, Chief Executive, High Value Manufacturing Catapult
- 16.40 Sabyasachi Dasmohapatra, CEO, Global Innovation & Technology Alliance (GITA), New Delhi
- 17.00 Q&A
- 17.10 Roundtable discussion
- 18.00 Close
- 18.10 *Transport to British High Commission*
- 18.30 **Reception, British High Commission**

Speaker Biographies



Professor Sir Mike Gregory *Head, Institute for Manufacturing, University of Cambridge*

Mike Gregory is Head of the IfM. Following an early career in industry, he founded the Manufacturing Engineering Tripos, a senior undergraduate programme linking engineering, management and economics and with very close industrial engagement.

Subsequent developments in research and collaboration with industry reflected this broad view of manufacturing and led to the establishment of the IfM in 1998. Mike's work continues to be closely linked with industry and government and he has published in the areas of manufacturing strategy, technology management, international manufacturing and manufacturing policy.

He served as Executive Director of the Cambridge MIT Institute from 2005– 2008 and was Springer Visiting Professor at UC Berkeley in 2008/9. He chairs the UK Manufacturing Professors' Forum and is a member of the UK government's Manufacturing Analytical Group. He is a Fellow of Churchill College and the Royal Academy of Engineering.



Chris Carr *Deputy Director Manufacturing, Services & Electronics Advanced Manufacturing and Services, Department for Business, Innovation & Skills*

Chris Carr is a career civil servant with experience across the public sector, having worked in four departments, an independent review, a local council and a quango. He has also worked at a big-name consultancy firm and at a very small one.

His expertise is in the area of organisational development – variously called continuous improvement, change management, business process re-engineering, Lean, Six Sigma and various other lucrative brands. He combines this with a classic policy skillset and is therefore doomed forever as a “generalist” – old-fashioned, unimaginative and lacking in drive. Nothing could be further from the truth.

His current role is to lead policy on Manufacturing, Services and Electronics – combining sponsorship of the UK electronics and professional & business services sectors with a wide-ranging manufacturing brief covering technology, financing and skills.



Ajay Shankar *Member Secretary, National Manufacturing Competitiveness Council*

Ajay Shankar joined the Indian Administrative Service, India's premier career civil service in 1973. He has a Masters in Political Science from Allahabad University and a Masters in Economics from Georgetown University, Washington D.C. He taught Political Science at Allahabad University for two years before joining Government. He has rich and varied experience in the Central and State Governments in industrial promotion, the energy sector and urban management and development.

He retired as Secretary, Department of Industrial Policy & Promotion in the Commerce and Industry Ministry, Government of India in December, 2009. He played a critical role in putting together the stimulus packages at the time of the global economic crisis 2008 as a member of Group of Secretaries constituted for this purpose. He took a number of policy decisions to improve the competitiveness of the Indian industrial sector. Under his stewardship, the plan for the Delhi-Mumbai industrial corridor project was developed for implementation. The Foreign Direct Investment policy was further liberalized and became more investor-friendly.

He has served on the Board of major public sector companies such as IDBI, EXIM Bank, NTPC, NHPC, PFC, REC. He has been Chairman of the Damodar Velly Corporation. He has been a member of Committees on reform of public sector undertakings, electricity distribution and resources for the power sector for the 10th Plan. He was closely associated with the design of the Jawaharlal Nehru National Solar Mission.

After retirement he was a Distinguished Fellow with TERI. He served on the Board of Tata Global Beverages Ltd. His articles on economic policy issues have been appearing in the national papers.



Paul McCaffrey *Project Leader, Future of Manufacturing Project Foresight, UK Government Office for Science*

Paul has been leading the manufacturing project for Foresight, a team based in the UK Government Office for Science, which uses the latest evidence combined with futures analysis to tackle complex issues and help policy makers make decisions affecting our future.

Prior to his role in Foresight, Paul held various roles in the Department for Business, Innovation and Skills and its predecessor Departments relating to energy policy, finance and strategy, and communications.

He also spent time working with Lord Mandelson, when he was Secretary of State, on industrial and postal services policies. He will shortly be starting a secondment to the Rolls-Royce plc Nuclear Sector, working as Manufacturing Programme Manager.



Professor Steve Evans *UK Centre for Industrial Sustainability; Member of Foresight Expert Group*

Prof Steve Evans is Director of the national EPSRC Centre for Industrial Sustainability at University of Cambridge.

He spent 12 years in industry, finally as Engineering Systems Manager at Martin-Baker Engineering, the world leading manufacturer of ejection seats. He became Professor of Life Cycle Engineering at Cranfield University in 1998 and joined the University of Cambridge Institute for Manufacturing in 2011.

His research seeks a deep understanding of how industry brings environmental and social sustainability concerns into its design and manufacturing practices, with a dual emphasis on urgent & practical change now and system level change that offers hope for a sustainable future.

Prof Evans works with organisations to develop solutions that move us towards a sustainable future, including sustainable factories, food systems for people with reduced access to food, sustainable city regeneration design, and cars with water for exhaust that do 1l/100kms (equivalent). Prof Evans is a partner in two cleantech start-ups.

He has acted as Specialist Adviser to the House of Lords, and is a member of the Lead Expert Group for the Government's Future of Manufacturing Foresight exercise setting out a vision for UK manufacturing to 2050.



Professor B. Ravi *Department of Mechanical Engineering, Indian Institute of Technology (IIT), Bombay*

Dr. B. Ravi is an Institute Chair Professor of Mechanical Engineering, and head of the E-Foundry and OrthoCAD Lab at IIT Bombay. He earlier completed his BE from National Institute of Technology, Rourkela in 1986, followed by Masters and Ph.D. from Indian Institute of Science, Bangalore in 1992. He has held visiting appointments at West Virginia (1996) and Purdue University (2006).

Prof. Ravi works in two areas: metal casting and medical implants, in which he has guided 9 PhD and 60 Master students. He has published over 200 technical papers, three books, and patented four medical devices. He has conducted 10 certificate courses on Casting Design & Simulation at IITB, and 20 simulation clinics all over India. The AutoCAST software developed by his team is used in 60 foundries and academic institutes. The online E-Foundry is benefitting hundreds of teachers, students and casting engineers.

Prof. Ravi contributes as a member of: undergraduate engineering board, All India Council for Technical Education; Program Advisory Committee, DST (Ministry of Science & Technology); expert committee on orthopedic devices, Bureau of Indian Standards; and Vice President, Governing Council of Central Manufacturing Technology Institute, Bangalore. He is a Fellow of the Institution of Engineers and associate editor of Indian Foundry Journal.

At present, Prof. Ravi is scaling up the E-Foundry system in collaboration with other organizations, to train & certify local polytechnic and engineering students to improve their employability in the manufacturing sector. He is also collaborating with leading academic, medical and research institutes to promote indigenous technology development in the medical sector.



Dick Elsy *Chief Executive, High Value Manufacturing Catapult*

Dick Elsy is the Chief Executive of the UK's High Value Manufacturing Catapult. The role brings together 7 world class centres of industrial innovation in the UK which help accelerate new concepts to commercial reality and thereby create a sustainable high value manufacturing future for this country. The Catapult has capability and manufacturing facilities which span basic raw materials through to high integrity product assembly processes.

He joined the Catapult from Torotrak plc, the global innovator in gearless traction drive technology which reduces CO2 emissions in vehicles. As Chief Executive, he led this technology and licensing business which is one of the few UK listed companies involved in innovative automotive engineering and one of the very few engineering companies in the UK making a success of the licensing business model.

Prior to this Dick was Product Development Director at Jaguar Cars Limited where he led the introduction of several new car programmes. Dick's earlier roles were also in the automotive industry with a period of time spent with BMW in Munich leading a major car programme and a long career with Land Rover, where, as a member of the executive board, he devised, and went on to implement, the Land Rover Freelander.

Dick has gained extensive experience in the process of innovation management and of the introduction of new technologies to market. He has led both small scale and large scale organizations and is a passionate believer in value creation through technology.

Dick is the holder of a Silver Medal from the Royal Academy of Engineering for his outstanding contribution to British engineering. He is also a Chartered Engineer, a Fellow of the Institution of Mechanical Engineers and a past director and trustee of Engineering UK.



Sabyasachi Dasmohapatra *CEO, Global Innovation & Technology Alliance (GITA), New Delhi, India*

Sabyasachi is the CEO of the Global Innovation & Technology Alliance (GITA), a Public-Private-Partnership (PPP) Section-25 Company promoted jointly by the Confederation of Indian Industry (CII) and the Technology Development Board (TDB), Department of Science & Technology (DST), Government of India.

GITA is an Innovative mechanism between the Govt of India and Indian industry for attracting investments in technology by Mapping technology gaps, Evaluating technology offers across the globe on appropriateness from techno-economic perspective for India, Connecting among technology developers, providers, commercializers, Funding last phase of technology development that connects the market and Deployment of technology solutions.

Prior to joining GITA, Sabyasachi headed the Energy vertical at CII which works across Electricity, Oil & Gas, Renewable Energy, Energy Efficiency and Nuclear power sectors. Renewable Energy is an area of personal interest to Sabyasachi.

Sabyasachi earlier worked with Chevron (Fortune-10 international Oil & Gas major) for over 12 years. In his last assignment he was the Head of Strategic Planning & Business Development, LPG Supply & Trading, for the Asia-Pacific Region. Sabyasachi has worked with Dunlop Tyres and, ACC Cement prior to that.

Sabyasachi is an alumnus of the Xavier Institute of Management, Bhubaneswar. He lives in Gurgaon with his wife and two children. He is passionate about traveling and loves exploring new places within and outside India.

