

SPEAKERS' BIODATA

Richard M Q Brooks, Managing Director, FD Solutions

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Richard is a chartered accountant with over 25 years' experience of working with start-ups and SMEs. Richard lives in Cambridge and is finance director of a range of businesses.

Richard is a co-founder of ***FD Solutions***, a business based in London but with clients internationally. ***FD Solutions*** provides finance director services on a contract basis to companies. They have been trading for 17 years and currently employ 25 full-time experienced qualified accountants who act as finance directors ('Client Finance Directors') at around one hundred businesses including many SMEs and twelve AIM-quoted PLCs.

All ***FD Solutions*** employees have been finance directors and in many cases managing directors. The team brings a wealth of experience that would not be accessible from employing one full time FD. Each of the twenty-five Client Finance Directors manages a portfolio of part-time FD roles but works full-time for ***FD Solutions***.

Richard is one of five directors who manage the team and also holds a number of finance director positions himself. His specialist sectors include food, manufacturing, and technology. His particular skill set includes management information systems design and implementation for growing businesses.

www.fdsolutions.uk.com

**Edward M. Caner, Director, Innovation & Entrepreneurship Programs,
Case Western Reserve University**

Edward Caner is a full-time lecturer in the Department of Physics and Director of Innovation and Entrepreneurship Programs in the College of Arts and Sciences at Case Western Reserve University (CWRU). His main focus is directing the Science and Technology Entrepreneurship Program, a Master of Science degree where students study science, business and innovation while working on real-world projects with corporations or foundations. Mr. Caner has been named a KEEN Fellow through the Kern Family Foundation for his work at CWRU in spreading the culture of innovation and entrepreneurship throughout the entire campus. He is currently on the Board of Advisors for Symphony Acoustics, an early-stage microphone company in Albuquerque, NM and has invested in several small startups in Southern Colorado and the Cleveland area. He is also a managing partner for EFC and Associates, a consulting company specializing in entrepreneurial business development. Ed has assisted several colleges and universities throughout the world with curriculum development in the area of innovation and entrepreneurship, and enjoys giving speeches on this topic to a variety of audiences. Prior to his appointment at CWRU, he was the Director of the N2TEC Summer Institute/Science and Technology Entrepreneurship Program for the State of South Dakota. He has also served as a volunteer technology, innovation, and arts consultant in Mozambique. Ed has a Master's Degree in Physics and Entrepreneurship from CWRU, a Master's Degree in violin performance from Cleveland State University, and a BS in Engineering Physics from Miami University.

Paolo Cattapan, Director, Technology Transfer Department, AREA Science Park

Paolo Cattapan was born in July 1943, obtained a University degree in Chemical Engineering in 1968 at the University of Trieste.

Started his professional activity in 1969 in the **DANIELI & C SpA** – Buttrio – UD – leaving in 1979 after having become **Director General and Managing Director** of two firms belonging to the Group.

In 1981 he started an entrepreneurial activity as **TECNOMEDIA srl – Udine and TEKNOMEDIA INTERNATIONAL srl** – Milano later. Both companies operated in the field of diffusion of technical and technological information, advice in the technological innovation area and research exploitation assisting companies, institutions and international organisms.

From 1996 - nowadays he operates at the **AREA Science Park of Trieste**, the leading multi-sector science & technology park in Italy, as **Director of the Technology Transfer Department**. In this position he is responsible of a group of some 35 persons involved in different technology transfer and research valorisation programs.

At the meantime he is the **Director of Polo Tecnologico di Pordenone (Italy)**, scientific regional park.

**Peter Dobson, Academic Director, University of Oxford University's
Begbroke Science Park**

BSc, MA (Oxon), PhD, C Phys, F Inst P, Member of the ACS.

After a career as a lecturer in Physics at Imperial College and Senior Principal Scientist at Philips Research laboratories he was appointed to a University Lectureship and College Fellowship at the Queen's College Oxford in 1988 and a Professorship in 1996. His research is in the areas of nanoparticles, nanostructures, optoelectronics and biosensors. In 1999 he spun-off a company, now called Oxonica plc, that specializes in making nanoparticles for a wide range of applications, ranging from sunscreens to fuel additive catalysts and bio-labels. In 2000, with colleagues in Chemistry and Engineering, he spun-off Oxford Biosensors Ltd that makes a hand-held device based on enzyme-functionalized microelectrode arrays and this is specifically aimed at the cardiac risk market. He was appointed to his present position in August 2002 and has the responsibility of setting up new research institutes that combine University activities with company R&D, and he leads a team that facilitates the rapid transfer of technology and knowledge. He has published around 150 papers, over 30 patents and sits on several company advisory boards. Still active in research, he also teaches and advises on Knowledge Transfer and Energy.

Charles R. Eloshway, Office of Intellectual Property Policy and Enforcement, USPTO

Charles R. Eloshway is a Patent Attorney in the Office of Intellectual Property Policy and Enforcement (OIPPE) at the United States Patent and Trademark Office (USPTO). Among his duties, Mr. Eloshway represents the United States in multilateral and bilateral negotiations on matters concerning patent law and practice and represents the USPTO in Trilateral Office cooperation efforts. Since 2004, Mr. Eloshway has directed USPTO activities related to office-to-office work-sharing.

Prior to joining OIPPE, Mr. Eloshway was a Patent Examiner at the USPTO for over ten years, and held a variety of other positions, including assignments to the USPTO Solicitor's Office and the Office of Patent Quality Review. During his career at the USPTO, Mr. Eloshway has received several awards, including the Department of Commerce Gold Medal for distinguished service.

Mr. Eloshway is a graduate of the Pennsylvania State University, with a Bachelor of Science degree in Civil Engineering, and the George Washington University, with a Master of Science degree in Civil and Environmental Engineering. Mr. Eloshway received his law degree *cum laude* from the George Washington University Law School, where he was a Dean's Fellow and a member of *The George Washington Law Review*.

Fernando Galembeck, Institute of Chemistry, Universidade Estadual de Campinas

Born in São Paulo (Brazil) in 1943, studied at the University of São Paulo (Chemistry B.Sc. 1964, Physical Chemistry Ph.D 1970). Post-doc at the Universities of Colorado and California (Davis, 1972-4) and fellow at the Unilever Research Port Sunlight Lab. Currently Professor of Chemistry at the Universidade Estadual de Campinas, chaired the Institute of Chemistry (1994-1998) and was the university Vice-Rector (1998-2002).

Research interests are in the areas of materials chemistry, polymers, colloids and nano-structured systems. Authored 228 papers and 19 patents; advised 30 Ph.D. and 34 M.Sc. students. Received many prizes for his research largely made in cooperation with different companies. For contributions to industrial technology and innovation received the most important prizes in Brazilian science and technology, from the Association of the Chemical Industry and from different government agencies.

Gabriele Gatti, Director, Institutional Relations and Networks Dept., Area Science Park



Gabriele Gatti is an international expert in science & technology parks development and management. He was born in Alessandria (Italy) in 1947 and holds a degree in electronic engineering obtained at the Polytechnic Institute of Turin.

He has developed a multi-year experience in R&TD and marketing of hi-tech electronics defence countermeasures and industrial automation systems as well as in managing applied research and technological innovation programmes as executive within national and multinational industrial groups and as industrial consultant as well.

In 1992 he joined **AREA Science Park of Trieste**, the leading multi-sector science & technology park in Italy, where he is presently **Director Institutional Relations & Networks**. His duties include the strategic planning of innovation-based territorial development, the promotion of investments in technology-oriented business and ventures, the development of technology-intensive industrial clusters and the management of national and international research and business networks.

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**Yumiko Hamano, Project Coordinator, Intellectual Property
and New Technologies Division, WIPO**

Mrs. Yumiko Hamano, a national of Japan, works at World Intellectual Property Organization, in the Intellectual Property and New Technology Division. She is currently responsible for the WIPO University Initiative program, one of WIPO's projects aiming at assisting universities and R&D institutions in developing their IP and technology management capacity.

Mrs. Hamano first joined WIPO for setting up the Japanese operation lines for processing PCT international applications from Japan. In that function, Mrs. Hamano was responsible for Publication, Examination and Translation procedures of PCT international applications from Japan and supervised the Japanese operations team.

Later Mrs. Hamano worked for the three consecutive Directors of the Office of the PCT as the executive assistant. During this period, she also served as the Trilateral Coordinator from WIPO in the context of the Trilateral Technical Cooperation of the European Patent Office, the Japan Patent Office and the United States Patent and Trademark Office.

After extensive experience in the PCT Sector, Mrs. Hamano moved to the Division for Infrastructure Services and Innovation Promotion, where she was responsible for technical cooperation for universities and R&D organizations.

Prior to taking up these duties at WIPO, Mrs. Hamano worked as an IP Portfolio manager and a technical translator of patent documents in Japanese public and private sectors.

Mrs. Hamano studied English-American Literature (BA), Education (BA) and Master of Business Administration (MBA) at the Faculty of Higher Studies of Economic and Social Science of University of Geneva.

Dawood Parker, MD, Melys Diagnostics Ltd

Dawood Parker was Reader in Medical Physics and Director of the Biomedical Sensors Unit of University College London. He was appointed to a personal chair in Physics in the University of Wales, Swansea. He has successively started a number of medical instrumentation companies, Physiological Instrumentation Ltd, Abbey Biosystems Ltd and Whitland Research Ltd which were all acquired by major international companies. Professor Parker is currently Managing Director of Melys Diagnostics Ltd a company involved in the development of a device for the non-invasive measurement of tissue glucose concentration. He has been a consultant to many international companies and has over 30 patents in his name.

Madhukar Vishwanath Pitke, Tata Institute of Fundamental Research

Pitke Madhukar Vishwanath has contributed to the development of computer electronics and telecommunications technology for over 40 years. He pioneered development of a switching system for a mobile network that was forerunner to the current ad-hoc networks. He guided the development of technology for central office switching systems in the late 80s. Over 25 million lines that were deployed that formed a significant portion of the Indian network around 2000. He is currently engaged in developing solutions for the next generation mobile networks.

Has worked closely with the Industry and the University and is Adjunct Professor at the International Institute of Information Technology (IIIT) Bangalore.

As Nicheken Technologies's director he helps in developing products and solutions for the next generation networks. Is closely associated with Vavasi Telegence, a company engaged in setting up all IP mobile services in several countries. He serves as an adviser to MACIL, Bangalore, a large scale manufacturer of modern telecom equipment. He is a Fellow of IEEE, the Indian Academy of Sciences and the Institution of Electronics and Telecommunication Engineers. Was Co- General Chair at the First International Conference on IP Multimedia Subsystems, Architectures and Applications (IMSAA) December 2007. He has been associated with training and technical activities of ICTP for several years.

Premnath Venugopalan, National Chemical Laboratory, Pune



Dr Premnath is currently the Head of NCL Innovations, a resource center of the National Chemical Laboratory, Pune, India (www.ncl-india.org) that has been charged with mission to find means and ways to help the birth of new technology ideas, and assist and support their translation into products and successful exploitation. He is also a Founder Director of NCL's technology business incubator called Venture Center. Dr Premnath is also a member of the Polymer Science and Engineering Division of the National Chemical Laboratory.

Dr Premnath holds a B.Tech. (Chemical Engineering) from the Indian Institute of Technology - Bombay and a Ph.D. (Chemical Engineering & Program in Polymer Science and Technology) from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK.

He brings with him considerable experience in technology development and commercialization (two successfully commercialized families of products), working with start-up companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as project leader.

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Surya Raghu, President, Advanced Fluidics LLC



Dr. Surya Raghu received the Ph.D. degree in mechanical engineering from Yale University in 1987. He was a post-doctoral fellow at Yale in 1987-88, a Humboldt Scholar at the Technical University of Berlin, Germany, (1989-90), Assistant Professor at SUNY Stony Brook (1990-95), Principal Research Scientist and R&D Team Leader at Bowles Fluidics Corporation (1996-2000) and is the founder-president of Advanced Fluidics LLC since 2001. He has also been a visiting scientist at NIST and AFOSR Laboratories.

Dr. Raghu is currently involved in the development of products related to physiological monitoring, DNA testing, wireless corrosion sensors, aerodynamic flow control and spray technology. These products are being developed as joint collaborations with SMEs in UK and US. He has inventions related to aerospace, automotive, consumer and biotechnology applications and has been awarded 10 US patents and has over 10 pending patents/invention disclosures as an inventor or co-inventor. He has extensive experience in developing products starting from the basic inventions. His research interests include development of meso-, micro- and nanofluidic devices for aerospace, chemical and biotechnology applications and has active research collaborations with many institutions in the US and Europe. Dr. Raghu is a recipient of the Alexander von Humboldt award from Germany, an Associate Fellow of the AIAA, a member of ASME and has over 60 technical publications. He was recently an invited member of the Special Emphasis Review Panel on Nanotechnology at the National Institutes of Health.

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David Secher, Chief Executive, N8 Research Partnership

David Secher is the Chief Executive of the N8 Research Partnership, a collaboration of the eight most research-intensive universities in the North of England. In 2002, together with Lita Nelsen of MIT, he founded Praxis, the leading UK technology transfer training company. He is also the Chairman of Unico, the UK technology transfer professional association and a director of Cellcentric Ltd, a biotechnology spinout from Cambridge University.

For his contributions to creating “environments that favour enterprise, specialising in the practical aspects of commercialising the results of academic research”, he received the Queen’s Award for Enterprise Promotion in 2007.

Previous roles include Director of Research Services, University of Cambridge, Director of Drug Development, Cancer Research Campaign (now Cancer Research UK) and Director of Monoclonal Therapeutics, Celltech Ltd. He has advised governments, companies, universities and individuals on commercialisation of intellectual property and he has acted as non-executive director of high technology and investment companies.

Antonio Sfiligoj, CEO, BIC Friuli Venezia Giulia



Antonio Sfiligoj is an electronics engineer, expert in technology-based venture creation. He is a "technology generalist" with good experience in international marketing. Currently CEO of BIC Friuli Venezia Giulia, a leading Italian business accelerator, where he has contributed to the creation and growth of more than 30 technology-based start-ups, a few of them have become large, and true success stories. He started at the Zeltron/Electrolux R&D Center in Udine as marketing manager for contract research. Afterwards he became strategy consultant, market analyst for 5 years at the Geneva subsidiary of the Battelle Institute (Columbus, Ohio). As CEO of SEED (Trieste) he contributed to launch new technology parks in Central and Eastern Europe. He also worked on innovation policy and regional development on project assignments by the EU and OECD. On project assignment of DG Research, he contributed to organise EuroNanoForum 2003, the first European Nanotechnology Forum. His key competencies are: new venture creation, international marketing and business development, investment advising.

Stephen Taylor, Senior Consultant, Business Development, SRI Business Intelligence

Stephen Taylor has almost twenty years of senior management experience, helping major firms and government agencies in Europe and North America to access the latest knowledge and expertise for analysis and planning for new business, market research, new product development, and technology commercialization. Now based in the U.K. office of SRIC-BI, he directly supports and develops work with clients in the United Kingdom, Ireland, Italy, Spain, and Finland.

Before joining SRIC-BI, Taylor was managing director of HSA (UK), the European division of a global consultancy and training corporation specializing in assisting high-tech companies with opportunity identification, technical marketing, and proposal preparation and offering training in many facets of technology and business. He was also commercial director of TMA Ventures, the commercial arm of the Telecommunications Managers Association, producers of the annual TMA Convention, the largest annual U.K. telecommunications industry event.

Taylor has helped companies assimilate new technology developments and translate them into business opportunities in the following sectors: aerospace and defense, information technology, telecommunications (fixed and mobile), energy, automobiles, electronics, engineering, chemicals, and pharmaceuticals. He has been active in joint-venture negotiations, industry and competition analysis and monitoring, business and new-product-opportunity evaluation, technology and economic analysis, and forecasting.

Taylor received his B.A. (1988) in Italian and philosophy from the University College of Wales, Aberystwyth. He speaks fluent Italian and has lived and worked in both Italy and the United States. He has worked for shorter periods in Ireland, Spain, Portugal, France, Germany, Finland, Sweden, Norway, Denmark, Switzerland, Belgium, the Netherlands, and Mexico.

Harry Thangaraj, St. George's University, London

Harry Thangaraj is involved in the IP management and commercialisation strategies of an EU-funded industry-academic scientific consortium. After graduating as a physician in India, he moved to the UK where he completed a PhD and formal training in IP Law and Management. He has worked with various scientific research initiatives including vaccines, and has contributed internationally to teaching activities in IP management. His current interests include research in promoting developing country access to health technologies through creative IP management and licensing practices. Currently he is based at St. George's University, London.

