University of Astana

*Partnership Development Tour*

Kazakhstan–World Bank Joint Economic Research Program

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Brief biographies of individuals whom the delegates will meet on the PDT

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**University College, London**

Department of Chemical Engineering: [http://www.ucl.ac.uk/chemeng/](http://www.ucl.ac.uk/chemeng/)
Department of Computer Science: [http://www.cs.ucl.ac.uk/](http://www.cs.ucl.ac.uk/)
Bartlett School of Graduate Studies: [http://www.bartlett.ucl.ac.uk/graduate/index.php](http://www.bartlett.ucl.ac.uk/graduate/index.php)
UCL Language Centre: [http://www.ucl.ac.uk/language-centre/](http://www.ucl.ac.uk/language-centre/)
Professor Michael Worton, Vice Provost (Academic and International) and Fielden Professor of French Language and Literature

Address: Vice-Provost’s Office, South Cloisters, UCL, Gower Street, London WC1E 6BT, UK
Phone: +44 (0) 20 7679 7854 (internal 37854)
Email: michael.worton@ucl.ac.uk
Weblink: http://www.ucl.ac.uk/vice-provost/orton/

As UCL's Vice-Provost (Academic and International) Professor Worton is responsible to the UCL Provost and President for: developing and promoting UCL's international strategy; overseeing teaching and learning and quality management and enhancement; and maintaining a watching brief for Arts and Humanities and Social and Historical Sciences. Professor Worton is: Senior Advisor to the British Council and Chair of the British Council Education and Governance Advisory Group; Director and Trustee of the Council for Assisting Refugee Academics (CARA); a member of the Clore Leadership Foundation Advisory Board; a member of the Comité International de Consultation en Sciences Humaines et Sociales de l'Agence Nationale de la Recherche (French National Research Agency); a member of the Humanities in the European Research Area/European Science Foundation Steering Committee “Building a European Reference Index for the Humanities”; a member of the UK Prime Ministers' Initiative (PMI2) Higher Education Advisory Group. Professor Worton has written extensively on modern French Literature and on issues in critical theory and on gender theory.

Professor Stefaan Simons, Professor of Chemical Engineering, UCL Special Advisor on Kazakhstan and Honorary Professor of the Kazakh National Technical University

Address: Department of Chemical Engineering, UCL, Torrington Place, London WC1E 7JE, UK.
Phone: +44 (0) 207 6793805
Email: stefaan.simons@ucl.ac.uk
Weblink: http://www.ucl.ac.uk/chemeng/staff/simons

Professor Simons is Director of the UCL Centre for CO2 Technology, a multidisciplinary research and training Centre focused on the development of innovative technologies for the reduction, removal and sequestration (long-term storage) of carbon dioxide. In addition, he is Director of Engineering at Carbon8 Systems Ltd, a multi-award winning company that is commercializing a revolutionary technique for treating waste streams using carbon dioxide, known as accelerated carbonation technology. Professor Simons is also Head of the Colloid and Surface Engineering Group at UCL, focusing on particulate
interactions at the nano and micro length scales. Professor Simons is a Chartered Engineer and Fellow of the IChemE, is Chair of the IChemE Particle Technology Subject Group and sits on the IChemE Accreditation Committee. Since 1994 he has been working with universities in Kazakhstan and, more recently Russia, developing modern chemical engineering degree curricula. In December 2008, Professor Simons was awarded a major grant from the “Trans–European Mobility Scheme for University Studies” (TEMPUS) for a project whose aim is to develop chemical engineering degree curricula at leading technical institutes in Kazakhstan and Russia. The project also involves universities and industrial organizations from Italy, Germany and the Czech Republic. As UCL's Special Advisor on Kazakhstan, Professor Simons advises the Vice-Provost (Academic and International) on, and works to promote, UCL’s academic and other relationships with Kazakhstan.

Professor Roger Ordidge, Joel Professor of Physics Applied to Medicine and Vice-Dean (Research) Faculty of Engineering Sciences

Address: Department of Medical Physics and Bioengineering, UCL, Malet Place Engineering Building, Gower Street London, WC1E 6BT, UK
Phone: +44 (0) 20 7679 0256
Email: ordidge@medphys.ucl.ac.uk
Weblink: http://www.medphys.ucl.ac.uk/research-groups/mri_new/Roger%20Ordidge.htm

Professor Ordidge’s research focuses on the development, and application to clinical research, of Magnetic Resonance Imaging (MRI) technology and he has developed, published and patented several of the widely used methods that are currently used in MRI scanners. In particular, much of his research has been devoted to studies of the normal and diseased brain, particularly stroke and neonatal birth asphyxia. Professor Ordidge is Director of the Wellcome Trust High Field Magnetic Resonance Research Laboratory based at the Institute of Neurology, UCL in Queen Square. Professor Ordidge is a Fellow of the International Society of Magnetic Resonance in Medicine (ISMRM) and was elected a Fellow of the Academy of Medical Sciences in 2006.

Professor Anthony Finkelstein, Professor of Software Systems Engineering and Head, UCL Department of Computer Science

Address: Department of Computer Science, UCL, Gower Street, London WC1E 6BT, UK
Phone: +44 (0)20 7679 7293
Email: a.finkelstein@cs.ucl.ac.uk
Professor Finkelstein has published more than 185 scientific papers and secured more than £12m of research funding. He is a Fellow of both the Institution of Engineering and Technology and the British Computer Society. In 2003 he was a winner of the prestigious International Conference on Software Engineering "most influential paper" prize for work on 'viewpoints' and in 2004 was winner of the Requirements Engineering "most influential paper" prize for work on traceability. In 2005 he was a member of the winning team of the first Times Higher Education “Research Project of the Year”. The "state-of-the-art" review he edited remains the publication with the highest impact factor in software engineering. Professor Finkelstein has provided consultancy advice to a large number of high profile companies and to universities on the organization of their information services. He was Founder and Director of Systemwire Ltd., a UCL spinout acquired by trade sale in 2006 and he is the consultant Chief Scientist of Message Automation Ltd.

Professor Peter T Kirstein, Professor of Computer Communications Systems and Director of Research, UCL Department of Computer Science

Address: Room 7.04, Malet Place Building, Dept. of Computer Science, UCL, Gower Street, London WC1E 6BT, UK
Phone: +44 (0)20 7679 7286
Email: P.Kirstein@cs.ucl.ac.uk
Weblink: http://www.cs.ucl.ac.uk/staff/P.Kirstein/

Professor Kirstein leads or participates in several research projects concerned with aspects of computer networks, for example, satellites, security, IPv6 and multimedia. Among these he leads the NATO/EU-sponsored SILK/OCCASION project to provide internet access to the National Research and Education Networks of the Southern Caucasus and Central Asia, including Kazakhstan. Professor Kirstein is Fellow of a number of professional bodies including the Royal Academy of Engineering, British Computer Society, Institute of Physics, Institution of Engineering and Technology. Professor Kirstein was made an Honorary Foreign Member of the American Academy of Arts and Sciences in 2002. He was awarded a CBE in Her Majesty the Queen’s Birthday Honors list in June 2003. He received the Internet Society's Postel Award in 2003. He was awarded the Lifetime Achievement Award of the Royal Academy of Engineering in 2006 for his exceptional contribution to the development of the Global Internet from its earliest inception as an academic research project throughout its progression into its current status as a basic infrastructure of academia, industry and society.
Professor Alan Penn, Professor of Architectural and Urban Computing, The Bartlett
School of Graduate Studies

Address: (1–19 Torrington Place), UCL, Gower Street, LONDON, WC1E 6BT, UK
Phone: +44(0) 20 7679 5919
Email: a.penn@ucl.ac.uk
Weblink: http://www.vr.ucl.ac.uk/people/alan/

Professor Penn is Director of the Virtual Reality Centre for the Built Environment at UCL. His research focuses on understanding the way the design of the built environment affects the patterns of social and economic behavior of organizations and communities. Professor Penn is a Higher Education Funding Council England (HEFCE) Business Fellow, a founding director of Space Syntax Ltd, a UCL knowledge transfer spin out with a portfolio of over 100 applied projects per year, including whole city master plans, neighborhood development plans and individual buildings. He was the founding Chair of the Royal Institution of British Architects’ (RIBA) Research and Innovation Committee, and served in that role until 2006. He is the lead academic on the £5m Urban Buzz: Building Sustainable Communities knowledge exchange program which is promoting more sustainable forms of urban development and intensification in London and the greater South East Region of the UK. He is Principle Investigator on the City History and Multi–Scale Spatial Master–Planning UK–China Research Network funded by the UK’s Engineering and Physical Sciences Research Council, which will develop UK–Chinese academic research collaboration.

Dr. Christine Hoffmann, Director UCL Language Centre

Address: UCL Language Centre, UCL, 26 Bedford Way, London
Phone: Tel: +44 (0)20 7679 8668
Email: c.hoffman@ucl.ac.uk
Weblink: http://www.ucl.ac.uk/language-centre/

Dr Christine Hoffmann, PhD in applied linguistics (text linguistics), is the Director of the Language Centre at University College London. Her interests include autonomous and instructed language learning and discourse analysis.

Dr. David Swapp, Research Fellow, UCL Department of Computer Science

Address: Dept. of Computer Science, UCL,Gower Street, London WC1E 6BT, UK
Phone: +44 (0)20 7679 7211
Email: D.Swapp@cs.ucl.ac.uk
Dr Swapp is manager of UCL's Immersive Virtual Reality Laboratory, working mostly with projects in virtual environments and computer graphics. His main research interests are perceptual issues in virtual reality.

Mr. Cengiz Tarhan, Managing Director, UCL Business

Address: The Network Building, 97 Tottenham Court Road, London W1T 4TP, UK
Phone: Tel: +44 (0) 207 679 9000
Email: c.tarhan@uclb.com
Weblink: http://www.uclb.com/content/homepage/

UCL Business, a wholly-owned subsidiary of UCL, works to help industry and business make the most of UCL innovations. Through licensing technologies and innovations, providing consultancy services, creating shared-risk joint-venture businesses, and utilizing UCL’s specialist subsidiaries, UCL Business promotes and supports the transfer into industry of expertise and knowledge over a wide range of disciplines. An accountant by training, Cengiz has been working in the University Sector since 1984. From 1989, his work was focused on the biomedical arena, dealing with finance, intellectual property and commercialization of university research as well as issues at the interface with the NHS. In 1993 he set up and ran Freemedic PLC as the commercial arm of the Medical School, in 2002 the company expanded its remit changed its name to UCL BioMedica and became the wholly-owned subsidiary of UCL responsible for commercial exploitation of the bioscience research base at UCL and its associated Institutes. Cengiz was appointed as Managing Director of UCL BioMedica in January 2004. In August 2006 UCL BioMedica changed its name to UCL Business and is now responsible for delivering a comprehensive commercial Knowledge Transfer support service for UCL encompassing all Faculties. The company employs 40 staff. Cengiz has been involved with setting up many license transactions and spin out companies. In addition to his role in UCL Business, he also acts as Director for 10 spin out companies from UCL.

Mr. Tim Barnes, Executive Director UCL Advances

Address: UCL Advances, UCL, Engineering Front Building, Gower Street, London WC1E 6BT, UK.
Phone: + 44 (0) 20 7679 7752
Email: t.barnes@ucl.ac.uk
UCL Advances works to stimulate collaboration among researchers, business and investors driving innovations that benefit society and the economy. He holds strategic and operational responsibility for the activities of UCL Advances. Before joining UCL in 2007, Tim Barnes spent the previous six years running his own business, Lodestone IP Ltd, which helped universities and large corporations to spin–out high technology companies. His clients included UCL, the London Development Agency, the Centre for Scientific Enterprise Limited (CSEL), the BBC and Reuters. Tim Barnes is a member of the Association of European Technology Transfer Professionals.