

# ***Dr. CHYONG, Chi Kong – Curriculum Vitae***

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Cambridge Judge Business School  
University of Cambridge  
Cambridge, CB2 1AG, UK  
office: +44-1223-748197  
Email: [k.chyong@jbs.cam.ac.uk](mailto:k.chyong@jbs.cam.ac.uk)  
Web: [www.eprg.group.cam.ac.uk/chi-kong-chyong/](http://www.eprg.group.cam.ac.uk/chi-kong-chyong/)

## **EDUCATION**

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- 2011 Judge Business School, University of Cambridge  
PhD in Energy Economics and Policy  
Supervisors: Dr. David M. Reiner, Dr. Pierre Noël and Prof. Benjamin F. Hobbs  
Committee: Dr. Michael Pollitt and Prof. Yves Smeers
- 2007 Judge Business School, University of Cambridge  
MPhil in Technology Policy  
Supervisor: Dr. William J. Nuttall
- 2005 Odessa National University (Ukraine)  
MA in Economic Theory
- 2004 Odessa National University (Ukraine)  
BA in International Relations

## **Summer Courses and Academic Visits**

- Sum. 2009 DIW Berlin (German Institute of Economic Research)  
Advanced Operations Research Course
- Sum. 2008 41<sup>st</sup> Essex Summer School in Social Science Data Analysis and Collection, University of Essex  
Small-N and Qualitative Comparative Methods
- Sum. 2007 Joint Program on Science & Policy of Global Change, Massachusetts Institute of Technology  
Research Visit at the (under the supervision of Dr. Sergey Paltsev)
- Sum. 2006 LSE Summer School, London School of Economics and Political Sciences  
Advanced Macroeconomics Course

## **PROFESSIONAL EXPERIENCE**

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- 2013-present Research Associate, Judge Business School and Electricity Policy Research Group, and  
Director of Energy Policy Forum, University of Cambridge
- 2011-2012 Coordinator, Cambridge Centre for Carbon Capture and Storage (C4S), Judge Business  
School, University of Cambridge
- 2011-2012 Research Associate, Judge Business School and Electricity Policy Research Group  
(EPRG), University of Cambridge
- 2007-2008 Economic Adviser to the Mayor, Irpin City Council (Kyiv Region, Ukraine)
- 2007 Consultancy Project for Cambridge-based company on Electricity Smart Metering  
Technologies
- 2005-2006 Research Assistant, Department of Modelling Economic Development, Institute of  
Economics and Forecasting, Ukrainian National Academy of Sciences

## **UNIVERSITY TEACHING EXPERIENCE**

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### **Lecturing**

- 2012 to present “System Dynamics for Policy and Management”: Judge Business School, University  
of Cambridge  
Setting essays and reading list, marking essays and lecturing MPhil students on the  
graduate course “System Dynamics for Policy and Management”

### **Small-Group Tutorials ('Supervisions'), Research Supervisions and Teaching Assistantship**

- 2013 "International Business Economics": Judge Business School, University of Cambridge  
Marking essays and leading discussions with groups of 5 undergraduate students for the courses 'International Business Economics'
- 2012 "Strategic Valuation: Uncertainty and Real Options in System Design": Judge Business School, University of Cambridge  
Helping groups of 2-5 MPhil students for their final course works
- 2012 Supervision of MPhil student in Energy Technologies, Department of Engineering, University of Cambridge. MPhil Thesis: "The Economics of LNG Export Contract Flexibility: a quantitative approach"
- 2008 Teaching Assistant in MPhil Technology Policy courses, Judge Business School, University of Cambridge
- 2004-2005 Teaching Assistant in Microeconomics I and Economic Theory, Institute of Mathematics, Economics and Mechanics, Odessa National University

### **SCHOLARSHIPS**

- 2008-2010 ESRC Electricity Policy Research Group, Judge Business School, University of Cambridge
- 2007-2008 Cambridge Centre for Energy Studies, Judge Business School, University of Cambridge
- 2004-2005 Ukrainian Ministry of Education Studentship
- 2003-2004 Odessa National University Studentship ("S.U. Vitte" award)
- 2000-2004 Vietnamese Ministry of Foreign Affairs Studentship

### **ACADEMIC ACHIEVEMENTS**

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- 2011 30<sup>th</sup> USAEE/IAEE North American Conference Dennis J. O'Brien Best Paper Awards
- 2011 34<sup>th</sup> IAEE International Conference Student Paper Award
- 2005 Ukrainian Ministry of Education and Science Student Research Award
- 2004 Ukrainian National Academy of Sciences Student Research Award
- 2003 Ukrainian Ministry of Economy Student Research Award

### **RESEARCH PROJECTS**

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- 2012 "An Options Approach to Unlocking Investment in Clean Energy", Lead Researcher, financed by Cambridge Programme for Sustainability Leadership and Banking Environment Initiative
- 2010-2011 "New Participation and communication strategies for neighbours of CO<sub>2</sub> capture and storage operations (NEARCO<sub>2</sub>)", Project participant, financed by DG Research and Innovation of the European Commission

### **RESEARCH INTERESTS**

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Equilibrium Modelling of Energy Markets; Economics of Eurasian Natural Gas Trade Relations; Investment Under Uncertainties; Project Finance and Valuation of Infrastructure Investment; Economics and Finance of Clean Energy Technologies.

## PUBLICATIONS

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### Refereed Journals

- **Chyong, C.K.**, Nuttall, W.J. and Reiner, D.M. “*Dynamics of the UK Natural Gas Industry: System Dynamics Modelling and Long-term Energy Policy Analysis*”, *Technological Forecasting and Social Change*, Vol. 76, issue 3, pp. 339-357, August 2008
- Noel P., Findlater S. and **Chyong C.K.** “*Baltic Gas Supply Security: Divided We Stand?*”, *Economics of Energy & Environmental Policy*, Vol. 2 (1)

### Working Paper Series

- **Chyong, C.K.**, Noel, P. and Reiner, D.M., “*The Economics of the Nord Stream Pipeline System*”, EPRG Working Paper series N1026, September 2010, available at: <http://www.eprg.group.cam.ac.uk/wp-content/uploads/2010/09/Binder14.pdf>
- **Chyong, C.K.** and Hobbs, B.F., “*Strategic Eurasian Natural Gas Model for Energy Security and Policy Analysis*” EPRG Working Paper series N1115, March 2011, available at: <http://www.eprg.group.cam.ac.uk/wp-content/uploads/2011/03/EPRG-WP-1115.pdf>
- Noël, P., Findlater, S. and **Chyong C.K.** “*The Cost of Improving Gas Supply Security in the Baltic States*” EPRG Working Paper series N1203, January 2012, available at: [http://www.eprg.group.cam.ac.uk/wp-content/uploads/2012/01/EPRG-WP-1203\\_-Complete.pdf](http://www.eprg.group.cam.ac.uk/wp-content/uploads/2012/01/EPRG-WP-1203_-Complete.pdf)

### Reports

- Reiner, D., Riesch, H. and **Chyong, C.K.**, “*Opinion shaping factors towards CCS and local CCS projects: Public and stakeholder survey and focus groups*”, A report for DG Research of the European Commission, NearCO2 WP2, June 2011, available at: [http://www.communicationnearco2.eu/fileadmin/communicationnearco2/user/docs/WP2.1\\_Report\\_Final.pdf](http://www.communicationnearco2.eu/fileadmin/communicationnearco2/user/docs/WP2.1_Report_Final.pdf)
- **Chyong, C.K.** and **Voysey, A.** “*An Options Approach to Unlocking Investment in Clean Energy*” A Final Report for Banking Environment Initiative (BEI), November 2012, available at: <http://www.cpsl.cam.ac.uk/Business-Platforms/Banking-Environment-Initiative.aspx>

### Forthcoming

- **Chyong C.K.** and Hobbs B.F. (forthcoming) “*Strategic Eurasian Natural Gas Market Model for Energy Security and Policy Analysis: Formulation and Application to South Stream*”, *Energy Economics*.
- **Chyong, C.K.**, Noel, P. and Reiner, D.M. (in preparation) “*The Economics of the Nord Stream Pipeline System*” *The Rand Journal of Economics*
- **Chyong, C.K.** (in preparation) “*Strategic Bilateral Bargaining: the Case of South Stream Natural Gas Pipeline Investment*”, *The Journal of Industrial Economics*
- **Chyong, C.K.** (in preparation) “*Russian-Ukrainian Natural Gas Relations 1991-2013: Insights From Energy Economics and Game Theory Analysis*”, *Economics of Energy & Environmental Policy*

## PAPERS PRESENTED (most recent)

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- Cambridge University Energy Network, February 25, 2013, Cambridge, UK: “*Carbon Capture and Storage (CCS): its real option value and potential value in the future electricity system*”, available at: [http://www.cuen.org.uk/img/Seminar/ET2013\\_CCS.pptx](http://www.cuen.org.uk/img/Seminar/ET2013_CCS.pptx)
- INFORMS 2011 Annual Meeting, November 13-16, 2011, Charlotte, North Carolina, USA: “*Strategic Eurasian Natural Gas Model for Energy Security and Policy Analysis*”

- 30<sup>th</sup> USAEE/IAEE North American Conference, October 9-12, 2011, Washington DC, USA: *"The Economics of the South Stream Pipeline in the Context of Russo-Ukrainian Gas Bargaining"*, available at: <http://www.usaee.org/usaee2011/submissions/Presentations/CHYONG.pdf>
- 34<sup>th</sup> IAEE International Conference, June 19-23, 2011, Stockholm School of Economics, Sweden: *"The Economics of the Nord Stream Pipeline System"*, available at: <http://www.hhs.se/IAEE-2011/Program/ConcurrentSessions/Documents/Chyong.pdf>
- EPRG Winter Research Seminar 2010, Cripps Court, Magdalene College, University of Cambridge: *"European Gas without Ukraine?"*, available at: <http://www.eprg.group.cam.ac.uk/wp-content/uploads/2010/05/4-Chyong.pdf>
- EPRG Winter Research Seminar 2009, Judge Business School, University of Cambridge: *"Bypassing Ukraine: The Economics of 'Nord Stream'"*, available at: <http://www.eprg.group.cam.ac.uk/wp-content/uploads/2009/05/3-Kong-Chyong-v2.pdf>
- The 2009 Technology Management Policy Graduate Consortium Conference, Simon Fraser University, Canada – June 21-24, 2009: *"Strategic Interactions in Natural Gas Trade between Russia, Ukraine and Turkmenistan"*.
- The 10<sup>th</sup> International Conference on Technology Policy and Innovation, University of Stavanger, Norway – June 17-20, 2007: *"A Dynamic Model of the UK Natural Gas Industry: System Dynamics Modelling and Long Term Energy Policy Analysis"*.

## **LANGUAGES**

- English (fluent)
- Russian/Ukrainian (fluent)
- Vietnamese (mother language)

## **IT SKILLS**

- MS Office
- GAMS (General Algebraic Modelling System)
- Crystal Ball, @Risk
- SPSS
- Vensim (System Dynamics Modelling)