

CURRICULUM VITAE
of
Dr. Rana Roy, FCILT

SUMMARY

Current appointment (from April 1997 onward):

Consulting Economist – sole owner and director of independent consultancy, London, 1997-2010, and Hobart, 2010-

Contact details:

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Landline: + 61(0)362237278; Mobile: + 61(0)457040485
E-mail: rana.roy@btinternet.com

Nationality:

Australian, with right to work and right of permanent residency in the United Kingdom

QUALIFICATIONS AND AFFILIATIONS

Academic:

Bachelor of Arts (Honours), University of Melbourne, with First Class Honours fields: Economics, History and Economic History, with Honours thesis on the post-1945 world economy

Master of Arts, University of Sussex, with highest grades in all subjects fields: multiple course units in Social and Political Thought, with Master's thesis in Political Economy

Doctor of Philosophy, University of Sussex, with an unconditional pass doctoral thesis: "The Unbinding of Prometheus: a study of total automation and of the transition thereto"
fields: technical change, economic development, world economy, public economics, public policy

Professional:

Fellow, Chartered Institute of Logistics and Transport, UK

Member, Economic Society of Australia (Committee Member, Tasmanian Branch)

Member, Economic Society of Australia's National Economic Panel

Member, World Health Organization (WHO) Environmental Health and Economics Network (EHEN), sponsored by the WHO Regional Office for Europe, Bonn

Member, American Economic Association

Member, Transport Economists' Group, London

Member, International Consulting Economists' Association

Member, Global BCA Working Group

PROFILE

Dr. Rana Roy is one of the foremost global experts in the field of public economics, with noted contributions to the literature on social costs and benefits – including most recently the OECD book, *The Cost of Air Pollution*, launched by OECD Secretary-General Angel Gurría in Berlin in May 2014, the WHO publication, *Economic Cost of the Health Impact of Air Pollution in Europe*, launched at the WHO European Region Ministerial Conference in Haifa in April 2015, and the OECD Development Centre Working Paper, *The Cost of Air Pollution in Africa*, launched at the United Nations Habitat-III Conference in Quito in October 2016.

Dr. Roy has made a seminal contribution to the development of public policy over the last two decades, in several particulars and in several countries. He has been a builder of bridges: initiating dialogue on some of the most challenging problems in the field – between micro- and macro-economists; between academics and practitioners; between multiple levels of government; between government, business and civil society; between the OECD world and the BRICs – and facilitating agreement on some of the most innovative solutions.

Born in India to a multi-lingual family noted for its record of public service in pre- and post-independence India as well as post-imperial Britain, and educated initially at St. Xavier's School, Calcutta, Rana migrated with his parents to Australia in 1969. Matriculating at the University of Tasmania, he transferred to the University of Melbourne to complete his Bachelor's degree, before going on to matriculate at the University of Oxford and transfer thence to the University of Sussex to complete his Master's and Doctoral degrees. In all three countries – India, Australia and the UK – he achieved excellent results as a student and was the winner of numerous prizes and prize scholarships.

Following spells as a Tutor and Lecturer before, during and following his doctoral studies, Dr. Roy commenced his career as a practicing economist in 1991, at the Tasmanian Department of Premier and Cabinet, under Premier Michael Field. Here, as well as later at the Australian Department of Prime Minister and Cabinet under Prime Minister Paul Keating and at the UK Department of Trade and Industry under Board of Trade President Michael Heseltine, he played a central role in developing and delivering the fast-paced micro-economic reforms initiated by these governments.

Following these years in government service, Dr. Roy served as Chief Economist at the European Commission's newly-established think-tank on infrastructure, where he worked closely with Commissioner Neil Kinnock and his Cabinet in initiating a significant revival in public investment in infrastructure as well as some important first steps toward efficient pricing of transport systems in the European Union and its member states.

In 1997, Dr. Roy established his independent consultancy in Central London, maintaining an international network of research collaborators, and with local, national, European and international government agencies as his principal clients – whilst serving in an advisory capacity on numerous public-sector, private-sector and professional boards and committees. He re-located to Australia in 2010, where he resumed his independent consultancy, now with Australian, European and international government agencies as his principal clients.

Dr. Roy is a founding member of the Economic Society of Australia's National Economic Panel, established in August 2015, and a founding member (with Kenneth Arrow et al.) of the Global BCA Working Group, established in April 2016.

Impact on public policy

Dr. Roy's own output has had a direct impact on the development of public policy, as is evidenced in several official reports and has been acknowledged in *Hansard*, in the citations

of other researchers, and in reviews of his work in newspapers such as *The Economist* and *The Financial Times*.

This impact is most visible in the case of his work on public investment and on the reform of taxes and prices. Thus, in regard to investment:

- his several contributions on the calculation of the social return, including especially in regard to the choice of discount rates and the evaluation of wider economic impacts, have led to a significant revaluation of a range of public investment programmes;
- his 1995 study for the European Commission, *Lost and Found*, was instrumental in securing the realization of the Paris-Brussels-Cologne-Amsterdam-London high-speed rail project and progressing the overall Trans-European Networks programme;
- his several reports as the principal economic consultant to Britain's Railway Forum and subsequently to Britain's Rail Safety and Standards Board, from 2001 to 2009, played a key role in securing on-going all-party support for reform of, and reinvestment in, the British rail industry;
- his direct contribution as a Board Member of Transport for London in 2007 and 2008, along with his work for the Railway Forum and the RSSB, helped to secure London's own investment programme as well as the UK's commitment to the Crossrail project;
- his 2013 paper, *The social return on SHIFT²RAIL*, helped to secure European Commission support and funding for this new €1 billion Joint Technology Initiative.

In regard to taxes and prices:

- his several contributions on the taxation of economic rents and externalities have served to influence tax policy in regard to transport, energy, land and resources in several contexts;
- his 2003 study for the European Conference of Ministers of Transport and the European Commission, *Optimal Transport Pricing*, was adopted by all European Transport Ministers and has been implemented in part by several;
- his 2007 paper, *A Politician's Guide to Efficient Pricing*, is widely used by governments across the OECD world;
- his 2013 report on company-car taxation – published in 2014 as the OECD Working Paper, "Environmental and Related Social Costs of the Tax Treatment of Company Cars and Commuting Expenses" – played its part in triggering reforms to company-car taxation in a number of countries, including Australia;
- his 2014 report on the economic cost of the health impact of air pollution, published in 2014 as the OECD book, *The Cost of Air Pollution* – a theme pursued in his 2015 study on *The Economic Cost of the Health Impact of Air Pollution in Europe* for the WHO European Regional Office for Europe and again in his 2016 study for the African Development Bank, the OECD Development Centre and the United Nations Development Programme on *The Cost of Air Pollution in Africa* – has helped to trigger a renewed debate on the taxation of externalities in several countries, both within the OECD world and beyond it.

Dr. Roy's research on the world economy and contribution to macro-economic commentary has also had an impact on the development of public policy, albeit in more diffuse ways.

Since at least 2001, in his advisory work for the investment community as well as in his published writings, in particular his widely-cited 2006 paper, *Investing in the new century*, he has consistently predicted *inter alia* (a) the acceleration in global economic growth in the new century, driven by the take-off in China and India, (b) the persistence nonetheless of the underlying economic cycle and, with it, the descent into recession in 2008 and 2009, (c) the Asian-led renewal in global economic growth on the far side of the recession, and (d) the next downturn in the economic cycle that is likely to ensue in 2018 and 2019 – this full set of predictions being fully in line with his original doctoral research on the world economy.

These conclusions have served to inform public policy in several particulars:

- the conclusions regarding long-term rates of growth in *Investing in the new century* informed revisions to HM Treasury's long-term fiscal projections shortly thereafter as well as parallel revisions by the international agencies;
- the same conclusions – more specifically, the implications for the price of oil and other resources identified in his 2005 paper, *Beyond Petroleum* – fed into a major revision in thinking on the part of the International Energy Agency, which in turn enabled Dr. Roy to renew his work in the field on the basis of a new consensus, including in a major study for the Tasmanian Government on the determinants of the oil price and its likely impacts on the Australian and Tasmanian economies, released by the Minister for Sustainable Transport in December 2013;
- these conclusions continue to feed into new thinking on the OECD world's engagement with Asia, including at the UK DTI, the OECD and the Tasmanian and Australian Governments. In late 2012 and early 2013, and at the invitation of the Tasmanian Department of Premier and Cabinet and the Australian Department of Foreign Affairs and Trade, Dr. Roy contributed to public consultations and related discussions on the Tasmanian and Australian White Papers on “the Asian Century” – and has continued to advise Government and industry leaders on the subject.

A builder of bridges

Perhaps more important than his own output has been Dr. Roy's work over the last two decades as a builder of bridges – between disciplines, between theory and practice, between levels of government, between public and private sectors, and between geographies. Thus:

- whereas he was a pioneer in introducing macro-economic assessments alongside cost-benefit analysis in the appraisal of public-sector investments – in particular, in introducing Doug McWilliams' work into European Commission assessments of the Trans-European Networks – these parallel processes are now standard practice in the UK and elsewhere in the EU;
- whereas he led the way in bringing the work of academic researchers in the field directly to Ministerial decision-makers – in particular, through his co-authored papers with Stef Proost for the European Conference of Ministers and Transport and his leadership of large-scale research programmes for the EC and the ECMT – such reports to Ministers are now increasingly used in the EU and its member states;

- whereas his experience of the strengths and weaknesses of the Australian Federal system enabled him to pioneer direct and productive relationships and collaborations between multiple levels of government during his years in Europe, even the most ambitious of these – such as the London administration’s direct relationship with the European Commission and the national governments of China and India – are now being duplicated by several local and regional governments across the world;
- whereas he was an early critic of “private finance” schemes, arguing instead for transparent “public-private partnerships” tested against the welfare criterion, the argument is now increasingly accepted by most parties, with Dr. Roy’s contribution acknowledged not only in the pioneering practice of his clients in Europe but also in the publications and citations of his work in the journals of think-tanks such as the Institute of Economic Affairs in the UK and the Institute of Public Affairs in Australia;
- whereas he was one of the pioneers in the dialogue with the Chinese authorities on the developing environmental policy agenda of the advanced economies – thus, Dr. Roy represented the then Mayor of London, Ken Livingstone, at the International Mayors’ Forum in Kunming, briefed the National Development and Reform Commission in Beijing on behalf of the EU-China Energy and Environment Program, and was part of a twelve-person advisory committee for the China Sustainable Energy Program, along with Kenneth Arrow and Robert Solow – the Chinese authorities are now active partners with the advanced economies in developing a common agenda in the field.

CURRENT APPOINTMENT

From April 1997 onward:

- Consulting Economist – sole owner and director of independent consultancy, London, 1997-2010, and Hobart, 2010-
- Responsible for direction and management of all contracts with and all deliverables to clients, including *inter alia* (in alphabetical order):

African Development Bank (AfDB)/OECD Development Centre (DEV)/United Nations Development Programme (UNDP): joint publishers of *African Economic Outlook*;
 Australian Department of Industry, Canberra;
 Australian Transport Council, Canberra;
 Austrian Institute for Spatial Planning (ÖIR), Vienna;
 British Road Federation (BRF), London;
 China Sustainable Energy Program, San Francisco/Beijing;
 Community of European Railways (CER), Brussels;
 European Commission (EC), Brussels;
 EC High Level Group on Transport Infrastructure Charging, Brussels;
 European Conference of Ministers of Transport (ECMT), Paris;
 European Environment Agency (EEA), Copenhagen;
 EU-China Energy and Environment Program (EEP), Brussels/Beijing;
 Gerson Lehrman Group (GLG), Washington, DC;
 Greater Manchester Passenger Transport Executive (GMPTE), Manchester;
 House of Lords European Union Committee, London;
 Institute for Transport Studies (ITS), Leeds;
 Interdisciplinary Centre for Comparative Research in the Social Sciences (ICCR), Vienna
 International Union of Railways (UIC), Paris;

Land Research Trust, London;
Maunsell Australia Pty Ltd. (MAPL), Sydney;
Organisation for Economic Cooperation and Development (OECD), Paris;
Passenger Transport Executive Group (*pteg*), Leeds;
Rail Safety and Standards Board (RSSB), London;
Railway Forum, London;
Robert Schalkenbach Foundation, New York;
Tasmanian Department of Infrastructure, Energy and Resources (DIER), Hobart;
Tasmanian Minerals & Energy Council, Hobart;
Transport for London (TfL), London;
UK Department for Transport, London;
UNIFE – the European Rail Industry, Brussels;
World Health Organization (WHO)-Regional Office for Europe, Bonn

- Developed and led several international research programmes in the field, with outputs presented to and accepted by the EC and by European Transport Ministers, including *inter alia*: UIC/CER Economic Expert Study on transport pricing, Paris/Brussels (1997-1998); UIC/CER/EC study on the potential revenues from marginal social cost pricing, Paris/Brussels (1998-2000); ECMT/EC study on optimising transport pricing (co-funded by the Ministries of Transport in France, Netherlands and the UK), Paris/Brussels (2001-2003)
- Sole-authored and co-authored several seminal reports, papers and presentations (see below, List of Publications, pages 8-15)

SUMMARY OF FORMER APPOINTMENTS

In tandem with London consulting practice:

From March 2007 to June 2008:

- Board Member, Transport for London – and Member of TfL's Finance Committee, Strategic Planning Advisory Panel, and Corporate and Equalities Advisory Panel

From July 2005 to December 2008:

- Member of Gerson Lehrman Group Policy & Economics Council, Washington, DC (2005-), GLG Educator (2006) and GLG Scholar (2006-2008)

From December 2004 to June 2005:

- Member of advisory committee, China Sustainable Energy Program on Tax and Fiscal Policies for China, San Francisco/Beijing

From October 2004 to June 2005:

- Member of advisory group, Rail Research UK research programme at Imperial College, London

From December 1998 to June 2006:

- Member of inter-governmental group on Fiscal and Financial Issues (FIFI Group), European Conference of Ministers of Transport, Paris

From September 1997 to June 1998:

- Visiting Lecturer in Economics, University College London

Prior to establishing London consulting practice:

From October 1994 to March 1997:

- Chief Economist, European Centre for Infrastructure Studies (a joint initiative of the European Commission and the European Round Table of Industrialists), Rotterdam

From July 1991 to October 1994 (in reverse chronological order):

- Economic Adviser, Department of Trade and Industry, London
- Senior Policy Adviser, Department of the Prime Minister and Cabinet, Canberra
- Senior Economist, Industry Commission (now Productivity Commission), Canberra
- Lecturer in Economics, Hong Kong University of Science of Technology
- Senior Policy Adviser, Department of Premier and Cabinet, Hobart

From March 1980 to September 1980 and from January 1985 to June 1991 (in reverse chronological order):

- Tutor in Political Science, University of Melbourne
- Tutor and Lecturer in Political Science, University of Tasmania
- Tutor in Economics, University of Tasmania
- Research Assistant in Philosophy, University of Tasmania

LIST OF PUBLICATIONS

Notes:

1. The following list of publications covers the main published output of my consulting career to date, as Chief Economist of ECIS from October 1994 to March 1997 and as the director of my independent consultancy from April 1997 onward. It does not include the several various reports, papers and presentations from my years in the Public Service and in academia prior to October 1994.

2. The list is grouped under the following six headings: (A) books and book chapters, (B) journal articles, (C) externally peer-reviewed reports and papers, (D) client-reviewed reports and papers, (E) externally peer-reviewed conference presentations, and (F) other papers, submissions, and conference/seminar presentations. (The items under the last heading are for the last 13 years only.)

3. Where an item appears twice in this list – such as a book or book chapter followed by the original consulting report – the second appearance is identified thus * and cross-referenced accordingly. Of the **112** items recorded below, **12** appear twice and are identified as such.

A: books and book chapters

2015: *Economic Cost of the Health Impact of Air Pollution in Europe*, WHO Regional Office for Europe, Copenhagen.

2014: *The Cost of Air Pollution*, OECD Publishing.

2006: “The public-private partnership and the general welfare”, in *The Railways, the Market and the Government*, Institute of Economic Affairs, London.

2003: “European versus National Level Evaluation: The Case of the PBKAL High-Speed Rail Project”, in Pearman A., Mackie P. & J. Nellthorp, Ed.s, *Transport Projects, Programmes and Policies: Evaluation Needs and Capabilities*, Ashgate: Aldershot, England, & Burlington, VT.

2003: “Optimal Transport Pricing” in ECMT, *Reforming Transport Taxes*, OECD Publications, Paris.

2001: “Means and Ends: Cost-Benefit Assessment and Welfare-Maximising Investment”, in ECMT, *Assessing the Benefits of Transport*, OECD Publications, Paris.

2000: [co-authored with S. Proost], “Principles for Efficient Taxation”, in ECMT, *Efficient Transport Taxes and Charges*, OECD Publications, Paris.

1998: “Integration der Binnenschifffahrt in die Transeuropäische Netze”, in Schneidewind, P., Ed., *Europäische Binnenschifffahrt: Perspektiven in erweiterten Europa*, ÖIR, Vienna.

1998: *Infrastructure Cost Recovery under Allocatively Efficient Pricing*, UIC, Paris.

1996: “The Social Rate of Return in Transport Infrastructure Projects”, in *Social Costs and Benefits: Developments in Project Assessment*, Major Projects Association, Oxford.

B: journal articles

2017: “A race against the clock”, *Our Planet*, the magazine of the United Nations Environment Programme, December 2017.

2008: “The new thinking on investment appraisal: the case of CrossRail”, *The Transport Economist*, The Journal of the Transport Economists’ Group, Volume 35, Number 1, 2008.

2005: "Optimal pricing: the route to a self-funding infrastructure – and more", *Economic Affairs*, Journal of the Institute of Economic Affairs, Volume 25, No. 1, March 2005.

C: externally peer-reviewed reports and papers

2017: [co-authored with Nils Axel Braathen] "The Rising Cost of Ambient Air Pollution thus far in the 21st Century: Results from the BRIICS and the OECD Countries", OECD Environment Working Papers, No. 124, OECD Publishing, Paris.

2016: "The cost of air pollution in Africa", *OECD Development Centre Working Papers*, No. 333, OECD Publishing, Paris.

2016: [contributed to] AfDB/OECD/UNDP (2016), *African Economic Outlook 2016: Sustainable Cities and Structural Transformation*, OECD Publishing, Paris.

*2015: *Economic Cost of the Health Impact of Air Pollution in Europe*, Final Manuscript, WHO Regional Office for Europe, Bonn. [* See above, under A: following de-classification, published as WHO European Regional Office for Europe publication in April 2015.]

2014: *Health economics and air pollution*, Draft Manuscript, WHO Regional Office for Europe, Bonn.

2014: "Environmental and Related Social Costs of the Tax Treatment of Company Cars and Commuting Expenses", *OECD Environment Working Papers*, No. 70, OECD Publishing, Paris.

2014: *Issues in developing a standard method for valuing morbidity impacts*, OECD, Paris.

*2014: *The economic cost of the health impacts of air pollution from road transport*, OECD, Paris. [* See above, under A: following de-classification, published as an OECD book in May 2014.]

*2013: *Environmental impacts of the tax treatment of company cars and commuting expenses*, OECD, Paris. [* See above, under B: following de-classification, published as OECD booklet in September 2014.]

2010: [contributed to] *Study of the Impacts of the Transport RTD Projects in FP5 and FP6 (SITPRO Plus)*, Expert Review of selected research projects, commissioned by the Interdisciplinary Centre for Comparative Research in the Social Sciences (ICCR), Vienna, prepared for the European Commission, Brussels.

2009: *The scope for CO2-based differentiation in motor vehicle taxes: in equilibrium and in the context of the current global recession*, OECD, Paris.

2008: *Mind-forg'd manacles: the constraints on optimising urban transport policy in a second-best setting*, OECD, Paris.

2007: *A Politician's Guide to Efficient Pricing*, ECMT, Paris.

2006: *Investing in the new century: toward an undistorted appraisal process*, Report for the Railway Forum, London.

2005: *Beyond petroleum: Energy futures and powered transport*, Report for the Railway Forum, London.

2005: [contributed to] Debbie Gordon, *Fiscal Policies for Sustainable Transportation: International Best Practices*, A Report prepared for the China Sustainable Energy Program, San Francisco/Beijing.

2004: *Not By Spending Alone: The Case For A Comprehensive Tax Review*, Report for the Railway Forum, London, co-sponsored by the Robert Schalkenbach Foundation, New York, NY.

2003: [contributed to] ECMT, *Reforming Transport Taxes*, OECD Publications, Paris.

*2003: *Optimal Transport Pricing*, Revised Final Report of the ECMT/EC DG-TREN research project comparing current transport taxes and charges with an optimal pricing benchmark (co-funded by the Ministries of Transport in France, Netherlands and the UK), London. [* See above, under A: published as Chapter 2 of ECMT (2003), *Reforming Transport Taxes*, OECD Publications, Paris.]

2003: *Postponing the Future: a critique of short-termism*, Report for the Railway Forum, London.

2002: *Beyond the 10 Year Plan: reform and investment for the long term*, Report for the Railway Forum, London.

2001: *A Plan for Growth? An analysis of the 10 Year Plan's perspective for rail*, Report for the Railway Forum, London, in collaboration with CEBR, London.

2001: Ed., *Revenues from Efficient Pricing: Evidence from the Member States*, UIC/CER/European Commission DG-TREN Study: Final Report, UIC, Paris.

2000: [contributed to] *Efficient Transport Taxes and Charges*, ECMT Report, OECD Publications.

*1999: "Means and Ends: Cost-Benefit Assessment and Welfare-Maximising Investment", prepared for the ECMT/Swiss National Research Programme Expert Workshop, Bern. [*See above, under A: published as a chapter in ECMT, *Assessing the Benefits of Transport*, OECD Publications.]

*1998: [co-authored with Stef Proost] "Principles for Efficient Taxation", ECMT/Fifi papers, Paris. [*See above, under A: published as Chapter 1 of ECMT, *Efficient Transport Taxes and Charges*, OECD Publications, Paris, and republished as Chapter 1 of ECMT, *Reforming Transport Taxes*, OECD Publications, Paris.]

*1998: *Infrastructure Cost Recovery under Allocatively Efficient Pricing*, UIC/CER Economic Expert Study, UIC, Paris. [* See above, under A: published as *Infrastructure Cost Recovery under Allocatively Efficient Pricing*, UIC, Paris.]

During tenure at ECIS:

1996: *The Benefits of Rail Infrastructure Projects*, ECIS Report for the UIC, Rotterdam.

1996: Ed., *Macroeconomics Effects of the PBKAL*, ECIS Report: in collaboration with CEBR, Rotterdam.

1995: *Lost and Found*, with a Foreword by Henning Christophersen, ECIS Report, Rotterdam.

1994: *Investment in Transport Infrastructure: The Recovery in Europe*, ECIS Report Rotterdam.

D: client-reviewed reports and papers

2013: [contributed to all chapters of] *The Tasmanian Oil Price Vulnerability Study (TOPVS)*, Tasmanian Department of Infrastructure, Energy and Resources (DIER), Hobart.

2013: *The social return on SHIFT²RAIL: Toward a socio-economic assessment*, prepared for UNIFE and as part of its submission to the European Commission, Brussels.

2011: *The trajectory of oil prices: historically, today, and in the prospective future*, prepared for DIER, and published in revised form as Chapter 2 of *TOPVS*, Hobart.

2011: *The impact of oil price changes on the Tasmanian economy*, prepared for DIER, and published in revised form as Chapter 3 of *TOPVS*, Hobart.

2009: Review of *Delivering a Sustainable Transport System: Consultation for Planning for 2014 and Beyond*, prepared for the Rail Safety and Standards Board (RSSB), London.

2008: Review of European Commission's 2008 documents on internalisation: *Communication from the Commission: Strategy for the internalisation of external costs and Commission Staff Working Document: Summary of the impact assessment on the internalisation of external costs*, prepared for RSSB, London.

2008: [contributed to and on behalf of RSSB] CER project on the external costs of transport, *COBALT*, CER, Brussels, 2008.

2007: *Delivering A Sustainable Railway in the context of a sustainable transport system: Remarks on the Rail White Paper and related documents*, prepared for RSSB, London.

2007: [contributed to] *Metrics and benchmarking for sustainable development*, RSSB Report, London.

2007: [contributed to] *Review of research on sustainable development for the railway*, RSSB Report, London.

2005: *Rethinking Rail Outputs*, Prepared for the Railway Forum in support of the Forum's submission, Developing a High Level Outputs Statement: Issues for Consideration, London.

2005: *The impact of pricing reform on investment needs: Rewriting the reference scenario*, prepared for ECMT Committee of Deputies, CEMT/CS/FIFI(2005)3/REV1, Paris.

2005: [contributed to] ECMT, *Road Charging Policy: Reiteration of ECMT position*, prepared for ECMT Committee of Deputies, CEMT/CS(2005)6/REV1, Paris.

2005: *Congestion Charging in UK urban regions: Local options in the light of national policy*, A Briefing for pteg, London.

2004: *The Potential Role for the Efficient Pricing of Traffic and Parking in London: An Independent Review*, prepared for Congestion Charging Division, Transport for London.

2004: [contributed to] ECMT, *Charging for the Use of Infrastructure: Report on Charges*, Report to the Council of Ministers, CEMT/CM(2004)19, Paris.

2003: [Specialist Adviser to] House of Lords Select Committee on the European Union, *The Taxation of Fuel in the European Union*, House of Lords, London.

2001: *Intelligent Access Project: review of work to date and recommendations for forward programme*, prepared for DIER, Hobart, and the Standing Committee on Transport of the Australian Transport Council, Canberra.

2001: "Pricing Principles, Pricing Options", in *Pricing Options for Urban Regions: Scoping Study for Greater Manchester*, CEBR Report for the Greater Manchester Passenger Transport Executive, London.

1999: [contributed to] EC High Level Group on Transport Infrastructure Charging, *Final Report on Options for Charging Users Directly for Transport Infrastructure Operating Costs*, Brussels.

1999: [contributed to] EC High Level Group on Transport Infrastructure Charging, *Final Report on Estimating Transport Costs*, Brussels.

1998: *The New Deal and the Problem of Inter-Urban Congestion*, CEBR Report for the British Road Federation, London.

During tenure at ECIS:

1997: [contributed to] EC Staff Working Paper for the European Parliament, *The Likely Macroeconomic and Employment Impact of Investments in the Trans-European Transport Networks*, Brussels.

*1995: "Lost and Found: The Community Component of the Economic Return on the Investment in PBKAL", in European Commission/PBKAL Working Group, *PBKAL: Final Report on the High-Speed Rail Project Paris/London-Brussels-Cologne(-Frankfurt)/Amsterdam*, Brussels. [*See above, under C: published as a stand-alone ECIS report.]

E: externally peer-reviewed conference presentations

2014: "Health economics and air pollution: October 2014 draft and beyond", Presentation to WHO Environmental Health and Economics Symposium on manuscript of "Health Economics and Air Pollution", Bonn.

*2008: *Mind-forg'd manacles: the constraints on optimising urban transport policy in a second-best setting*, commissioned by the OECD, Paris, and presented to the Global Forum on Sustainable Development, Guadalajara. [*See above, under C: published as a stand-alone OECD paper.]

2006: "The economy of abundance: a result of human action, not of human design", commissioned by the Land Research Trust, London, and presented to the International Union conference, London.

2002: "The fiscal impact of marginal cost pricing: the spectre of deficits or an embarrassment of riches?", commissioned by the Institute for Transport Studies, Leeds, and presented to the second seminar of the IMPRINT-EUROPE Thematic Network, Brussels.

*2000: "Paris-Brussels-Koln-Amsterdam-London High-Speed Rail: European versus national-level evaluation", commissioned by the Interdisciplinary Centre for Comparative Research in the Social Sciences (ICCR), Vienna, and presented to TRANS-TALK

Conference, Brussels. [*See above, under A: published in a revised form as a chapter in Pearman A., Mackie P. & J. Nellthorp, Ed.s, *Transport Projects, Programmes and Policies: Evaluation Needs and Capabilities*, Ashgate: Aldershot, England, & Burlington, VT.

*1997: "Integration der Binnenschifffahrt in die Transeuropäische Netze", commissioned by the Austrian Institute for Spatial Planning (OIR), Vienna, and presented to the EC-DGVII/Austrian Ministry of Science and Transport/City of Vienna International Symposium on Inland Navigation, Vienna. [*See above, under A: published as a chapter in Schneidewind, P., Ed., *Europäische Binnenschifffahrt: Perspektiven in erweiterten Europa*, ÖIR, Vienna.]

During tenure at ECIS:

*1996: "The Social Rate of Return in Transport Infrastructure Projects", in Proceedings of Major Projects Association Executive Seminar, Oxford. [*See above, under A: published as a chapter in *Social Costs and Benefits: Developments in Project Assessment*, Major Projects Association, Oxford.]

1995: "Bottlenecks in Infrastructure: Common Causes, Common Solutions", in Proceedings of the European Society of Transport Institutes Conference, Budapest.

F: other papers, submissions and conference/seminar presentations

2017: "The centre cannot hold: a comment on the recent elections in the United States, France, the United Kingdom and Germany", Presentation to the Athenaeum Club, Hobart.

2017: "Discussion on Conclusions: Cross-cutting conclusions; emerging policy implications; and suggestions for further work", Presentation to OECD workshop, "Best practices in assessing the social costs of selected chemicals", Hosted by Health Canada, Ottawa.

2017: "Formaldehyde Case Study: Comments on the paper by Alistair Hunt and Nick Dale, Economic Valuation in Formaldehyde Regulation", Presentation to OECD workshop, "Best practices in assessing the social costs of selected chemicals", Hosted by Health Canada, Ottawa.

2017: "From the Monongahela Valley to the Mesabi Iron Range: How the 2016 US Presidential Election was won and lost", Presentation to Economic Society of Australia/Institute for the Study of Social Change Panel Event on "TrumpEnomics: The Economics of a Trump Presidency", University of Tasmania, Hobart.

2016: "Speeding ahead with a rear-view vision: the looming crisis of air pollution in Africa", *Development Matters* blog.

2016: "Comments on Professor Alberini's paper, Measuring the Economic Value of the Effects of Chemicals on Ecological Systems and Human Health", Presentation to OECD workshop on socioeconomic impact assessment of chemicals management, hosted by the European Chemicals Agency, Helsinki.

2016: "The Cost of Air Pollution: Methods, Results, Conclusions", Presentation to OECD workshop on socioeconomic impact assessment of chemicals management, hosted by the European Chemicals Agency, Helsinki.

2014: "Valuing life and health: the cost of air pollution", Presentation to Conference on "The Costs of Air Pollution: A Forgotten Problem", Università Bocconi, Milan.

2014: "Issues in developing a standard method for the valuation of morbidity impacts from air pollution", Presentation to meeting of Working Party on Integrating Environmental and Economic Policies", OECD, Paris.

2014: "Health economics and air pollution: October 2014 draft", Presentation to meeting of Working Party on Integrating Environmental and Economic Policies", OECD, Paris.

2014: "The dual meaning of 'health economics': economics for health policy and economics for health outcomes", Presentation to internal seminar, OECD HQ, Paris.

2014: "Valuing life and health: the cost of air pollution", Presentation to Economic Society of Australia (Tasmanian Branch), Department of Treasury and Finance, Hobart.

2014: "The economic cost of the health impacts of air pollution from road transport", Presentation to Econometric Society Australasian Meeting/Australian Conference of Economists (ESAM/ACE), Hobart.

2014: "Defining the 'cost' in *The Cost of Air Pollution*", Presentation to 3rd World Health Organization Environmental Health and Economics Meeting, Berlin.

2014: "Kiss goodbye to manufacturing in Australia while Europe and the US reindustrialize?", Presentation to Tasmanian Minerals & Energy Conference, Hobart.

2014: "The economic cost of the health impacts of air pollution from road transport: state of the art results and future research needs", Presentation to meeting of Working Party on Integrating Environmental and Economic Policies", OECD, Paris.

2013: "Prices, impacts, and the challenge for Tasmania", Presentation to Tasmanian Oil Price Vulnerability Study Workshop, Hobart.

2013: "Environmental impacts of the tax treatment of company cars and commuting expenses summary of main results", Presentation to the Joint Meeting of Tax and Environment Experts, OECD, Paris.

2012: "A note on the Asian Century – Follow-up to remarks at the Tasmanian Economic Forum 2012", Submission to the Tasmanian Department of Premier and Cabinet and available on the DPAC website, Hobart.

2011: "The Economics of Dear Oil", Presentation to the Australian Economic Society's Tasmanian Economic Forum 2011, Hobart.

2011: "The Trajectory of Oil Prices: Summary of Key Findings", Presentation to Stakeholder Workshops, hosted by the Tasmanian Department of Infrastructure, Energy and Resources and available on the DIER website, Hobart.

2009: "The scope for CO₂-based differentiation in motor vehicle taxes: a summary of results", Presentation to the Working Group on Transport and the Working Party on National Environmental Policies, OECD, Paris.

2008: "How London's lessons could be played out in Australian cities", Presentation to SMART TRAFFIC 2008, Brisbane.

2008: "The new thinking on investment appraisal: the debate in the UK", Presentation to MAPL in-house seminar, Sydney.

2007: "Pricing externalities in transport: London, UK, EU and international initiatives", Presentation to the Rail Sustainable Development Group, London.

2007: "Railway economics in a sustainable world", Presentation to RSSB in-house seminar, London.

2006: "The relevance of marginal social cost calculation as a guide to policy", Presentation to RSSB in-house seminar, London.

2006: "The economics of road pricing", Presentation to Intellect Transport Group, London.

2005: "The coming crash in housing, retail and the macro-economy", Presentation to Gerson Lehrman Group (GLG) clients, Legal, Economic and Regulatory Affairs practice, London.

2005: "The economics of road pricing and the economics of the transition", Presentation to the Solutions 21 Transport Roundtable, London.

2005: "*Congestion Charging in UK urban regions* – Implications for the Pathfinders agenda", Presentation to HM Treasury, London.

2005: "*Congestion Charging in UK urban regions* – the Roy report and the Pathfinders agenda", Presentation to Joint meeting of DfT and *pteg* senior officials, London.

2004: "Congestion Pricing in the UK – Central London and Beyond", Presentation to the International Mayors' Forum on Sustainable Urban Energy Development, Kunming.

2004: "The scope for welfare-positive tax reform", Presentation to inter-governmental seminar, hosted by TfL, London.

2004: "Prospects for Road-User Pricing: Europe/US", Presentation to US Department of Transportation, Washington, D.C.

2004: "Prospects for Road-User Pricing: Europe/US", Presentation to Regional Plan Association, New York, NY.