

Thredbo 13



13th International Conference on Competition and
Ownership in Land Passenger Transport

St Anne's College, University of Oxford, UK
15th to 19th September 2013

Conference Program





Thredbo, Australia 1989



Tampere, Finland 1991



Toronto, Canada 1993



Rotorua, New Zealand 1995



Leeds, UK 1997



Cape Town, South Africa 1999

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UNIVERSITY OF
Southampton



THE UNIVERSITY OF
SYDNEY

WELCOME



Professor David Hensher

Executive Chair and Co-founder, Thredbo Conference Series

It gives me great pleasure to welcome you to the 13th International Conference on Competition and Ownership in Land Passenger Transport (Thredbo 13). This conference, held at St Anne's College in the University of Oxford, is proudly hosted by the University of Southampton with support from the University of Sydney, Australia.

Since its inception this conference series has established itself as the premier international forum dedicated to the analysis and debate on competition and ownership issues in land passenger transport. It has attracted high quality participation and delivered a large portfolio of impressive material synthesising developments not only from developed nations but increasingly from developing nations.

I would like to express my gratitude for the efforts of the local organising and international steering committees, our workshop chairs and our conference chair, Professor John Preston; these have greatly helped in making this conference, what we hope will be, the most successful in the series so far. I have every confidence you will be stimulated by the activities and discussions at this influential forum over the next few days. I particularly look forward to learning of the outcomes of the workshops. Enjoy the culture and heritage of Oxford and the excellent company!

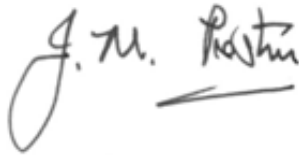
A handwritten signature in black ink, which appears to read 'D Hensher'.

Professor John Preston

Chair, Thredbo 13 Conference

On behalf of the Local Organising Committee, I would like to warmly welcome the 13th International Conference on Competition and Ownership in Land Passenger Transport to the United Kingdom, returning to this country for the first time since 1997. The United Kingdom's reforms of the bus industry in the 1980s and of the rail industry in the 1990s have been mainstays of the conference program. These changes have been something of a natural experiment attracting interest from policy makers throughout the world, whilst the deregulated markets that have been created have stimulated interest from operators on a global scale.

The current developments in local sustainable transport and 'smarter choices' continue the United Kingdom's role as a pioneer in land passenger transport policy, whilst there is also an awareness that there is much that the United Kingdom can learn from international best practice. I would also like to warmly welcome delegates to St Anne's College at the University of Oxford. The City of Oxford is famed not only for its dreaming spires but also for its bus wars, but it now exhibits a mature deregulated public transport market. We hope it makes an ideal location for the debates that will follow in the plenary sessions and in the seven workshops as we consider a wide range of issues affecting land passenger transport.

A handwritten signature in black ink, reading "J. M. Preston". The signature is fluid and cursive, with a long horizontal stroke at the end.



Ruth Steel

International Secretariat, Thredbo Conference Series

Welcome to Thredbo 13!

I hope that we have provided everything you need for the smooth running of the conference, however, if you do require any further assistance please speak to one of our conference assistants or see me in the Conference Office in the Ruth Deech Building.

In addition to this program, the delegate pack you received on registration should contain:

- your name badge which includes a conference schedule, a site plan for the college and a USB drive containing the plenary papers and the papers from all the workshops – please wear your name badge to all conference events;
- a compendium of the workshop papers for your workshop containing a loose leaf schedule / plan for the workshop; and
- a code for free Wi-Fi access (available throughout the college).

If you are missing any of these important items please return to the registration desk which is in the Mary Oglivie Foyer until 6pm Sunday 15 September and for late registrations on Monday 16 September from 7.30am to 8.30am.

Please be aware that the college has a no smoking indoors policy and smoking is only permitted outside at the 15 designated points shown on the site plan in the centre pages (page 14). Visitors are not permitted to cycle through college grounds and bicycles should be parked in the area adjacent to Banbury Road. In the event of a fire alarm please go to the Fire Assembly Points shown on the college site plan.

I hope that your time at Thredbo 13 is rewarding and enjoyable.

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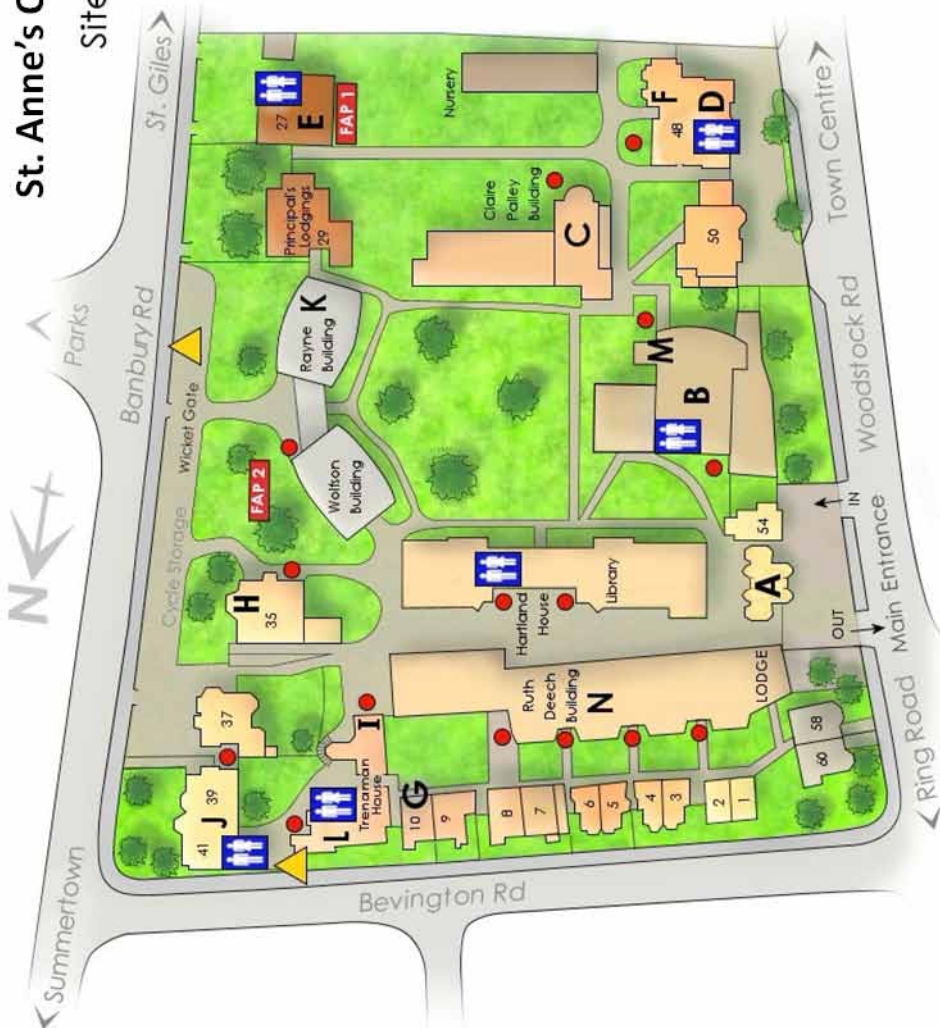
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St. Anne's College - Oxford

Site Plan



- KEY**
- A - Gatehouse
 - B - Dining Hall
 - C - Mary Ogilvie Lecture Theatre
 - D - Seminar Rooms 1, 2, 3, 4 & 5
 - E - Seminar Room 6
 - F - Teaching Room A
 - G - Teaching Room B
 - H - Eleanor Plumer House
 - I - Coffee Lounge
 - J - College Bar
 - K - Accommodation / Conference Departments
 - L - Computer Room
 - M - Lower & Upper Common Rooms
 - N - Seminar Rooms 7, 8 & 9 & Suzuki Lecture Theatre
- WC
 - Fire Assembly Points
 - Recycling Point
 - Smoking Point



Note: Letters in brackets refer to the location on the college site plan (see page opposite).



Sunday 15 September

Location: Ruth Deech Foyer (N)

18:00 Welcome reception (sponsored by Elsevier)

Welcome

Tim Gardman Principal, St Anne's College, University of Oxford, UK

19:30 Close, free evening for delegates

Monday 16 September

Locations: All plenaries will be held in the Mary Ogilvie Lecture Theatre (C). Morning and afternoon teas will be in the Mary Ogilvie Foyer (C) and lunch in the Dining Hall (B).

09:00 *Welcome*

Professor David Banister Director, Transport Studies Unit, University of Oxford, UK

Opening addresses

Professor David A. Hensher Executive Chair and Co-Founder, The Thredbo Conference Series; Institute for Transport and Logistics Studies, The University of Sydney Business School, Australia

Professor John Preston Thredbo 13 Conference Director; Head, Civil, Maritime and Environmental Engineering and Science Academic Unit, Southampton University, UK

Guest speaker

Professor Roderick Smith Chief Scientific Advisor, Department for Transport, UK

Session Chair: Professor John Preston

10:15 *Market initiative in public transport in Europe: recent developments*

Didier van de Velde Faculty of Technology, Policy and Management, Delft University of Technology and inno-V Consultancy, The Netherlands
Q&A

11:00 Morning tea

Session Chair: Professor Peter White

11:30 *Converging structures? Recent regulatory change in bus-based local public transport in Sweden and England*

Tom Rye and **Anders Wretstrand** Department of Technology and Society, Lund University, Sweden
Q&A

12:15 *Developments in public transport governance in The Netherlands: a brief history and recent developments*

Wijnand Veeneman Faculty of Technology, Policy and Management, Delft University of Technology, The Netherlands and **Didier van de Velde** Faculty of Technology, Policy and Management, Delft University of Technology and inno-V Consulting, The Netherlands

Q&A

13:00 Lunch

Session Chair: Professor John Nelson

14:00 *Structural reforms in the railways: incentive misalignment and cost implications*

Chris A. Nash Institute for Transport Studies, University of Leeds, UK **Andrew S. J. Smith** Institute for Transport Studies, University of Leeds and Leeds University Business School, UK **Didier van de Velde** Faculty of Technology, Policy and Management, Delft University of Technology and inno-V Consultancy, The Netherlands **Fumitoshi Mizutani** Kobe University, Japan **Shuji Uranishi** Fukuyama Heisei University, Japan

Q&A

14:45 *Pains and gains of a negotiated contract: the Johannesburg Rea Vaya BRT experience*

Lisa Seftel Transport Department, City of Johannesburg, South Africa **Nelson Rikhotso** Department of Transport, City of Ekurhuleni, South Africa

Q&A

15:30 Afternoon tea

Session Chair: Dr Andrew Smith

16:00 *Evolution of public transportation PPPs in Latin America: the role of BRT in Mexico City and Santiago de Chile*

Onesimo Flores Harvard Graduate School of Design, USA and **Chris Zegras** Department of Urban Studies and Planning, MIT, USA

Q&A

16:45 *Barriers to planning and implementing BRT systems*

Luis Antonio Lindau EMBARQ Brazil; Laboratório de Sistemas de Transportes, Universidade Federal do Rio Grande do Sul, Brazil **Dario Hidalgo** EMBARQ Colombia **Adriana de Almeida Lobo** EMBARQ Mexico

Q&A

17:30 *Workshop rules*

Professor David A. Hensher International Chair and Co-Founder, The Thredbo Conference Series; Institute for Transport and Logistics Studies, The University of Sydney Business School, Australia

Tuesday 17 September

17

Locations: Morning and afternoon teas will be in the Ruth Deech Foyer (N) and lunch in the Dining Hall (B). The location for each workshop is shown below (for Tuesday and Wednesday).

- 09:00 Workshop papers and discussions
- 11:00 Morning tea
- 11:30 Workshop papers and discussions
- 13:00 Lunch
- 14:00 Workshop papers and discussions
- 15:30 Afternoon tea
- 16:00 Workshop papers and discussions
- 18:00 Close
- 19:00 **Pre-dinner drinks**
Ruth Deech Foyer (N)
Music from the Oxford Improptu Choir
- 20:00 **Conference dinner**
Dining Hall (B)

Workshops

1. **Developing an Effective Performance Regime** Seminar Room 9 (N)
Chair: Dr Andrew Smith | Rapporteur: Associate Professor Wijnand Veeneman
2. **Bus Rapid Transit (BRT)** Seminar Room 8 (N)
Chair: Professor Juan Carlos Muñoz | Rapporteur: Brendan Finn
3. **Institutional and Operational Reforms within
Different Socio-economic and Cultural Contexts** Seminar Room 1 (D)
Chair: Professor Sergio Jara-Diaz | Rapporteur: Dr Rico Merkert
4. **Governance, Ownership and Competition in
Deregulated Public Transport Markets** Seminar Room 7 (N)
Chair: Professor Didier van de Velde | Rapporteur: Dr Katrin Augustin
5. **The Roles and Responsibilities of Government
and Operators** Seminar Room 5 (D)
Chair: Professor Chris Nash | Rapporteur: Dr David Bray
6. **Delivering Sustainable Public Transport** Seminar Room 6 (E)
Chair: Professor John Stanley | Rapporteur: Dr Karen Lucas
7. **Innovative Finance for Innovative Public Transport** Seminar Room 2 (D)
Chair: Professor Corinne Mulley | Rapporteur: Professor Jackie Walters

Wednesday 18 September

Locations: Morning and afternoon teas will be in the Ruth Deech Foyer (N) and lunch in the Dining Hall (B).

09:00 Workshop papers and discussions

11:00 Morning tea

11:30 Workshop papers and discussions

13:00 Lunch

14:00 Close, free afternoon and evening for delegates (workshop rooms available for Workshop Chairs and Rapporteurs / delegates use).

Optional activity

Locations: The presentation and discussion will be held in the Mary Ogilvie Lecture Theatre (C) and afternoon tea will be in the Mary Ogilvie Foyer (C).

14:00 *Buses and local transport policy in Oxford - a presentation, with opportunities for discussion*

Professor Peter White (Chair) University of Westminster, UK

Huw Jones Director for Environment and Economy, Oxfordshire County Council

John Disley Policy and Strategy Manager, Planning, Environment and Transport Policy, Oxfordshire County Council

Philip Kirk Managing Director, Oxford Bus Company

Martin Sutton Managing Director, Stagecoach, Oxfordshire

15:30 Afternoon tea

16:00 *Local transport scene tour*

17:30 Close, free evening for delegates

19:00 Michael Beesley Award Committee and International Steering Committee Meetings and Dinner (members only)

Thursday 19 September

Locations: All plenaries will be held in the Mary Ogilvie Lecture Theatre (C). Morning and afternoon teas will be in the Mary Ogilvie Foyer (C) and lunch in the Dining Hall (B).

Session Chair: Professor John Preston

09:00 *Cost efficiency under negotiated performance-based contracts and benchmarking - are there gains through competitive tendering in the absence of an incumbent public monopolist?*

David A. Hensher Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia
Q&A

- 09:30 *The contracting of urban bus services - recent Australian developments*
Ian Wallis Ian Wallis Associates Ltd, New Zealand and **David Bray** Economic and Policy Services Pty Ltd, Australia
 Q&A
- 10:00 **Round table: What works in delivering integrated and sustainable public transport?**
Professor John Preston (Chair) Transportation Research Group, Southampton University, UK
John Henkel Director, Passenger Services, Metro, UK
Stephen Joseph Chief Executive Officer, Campaign for Better Transport
Nigel Foster First Group, UK
Claire Haigh Chief Executive, Greener Journeys, UK
Professor David A. Hensher Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia
 Q&A
- 11:00 Morning tea
- Session Chair: Dr Karen Lucas*
- 11:30 Workshops 1 and 2: best paper, report and Q&A
 13:00 Lunch
- Session Chair: Professor John Preston*
- 14:00 Workshops 3 and 4: best paper, report and Q&A
 15:30 Afternoon tea
- Session Chair: Professor Peter White*
- 16:00 Workshops 5, 6 and 7: best paper, report and Q&A
 18:15 *Conference close*
 Professor John Preston
- 19:00 **Pre-dinner drinks**
 Ruth Deech Foyer (N)
Michael Beesley Award Presentation
- 20:00 **Conference dinner**
 Dining Hall (B)
Thredbo 14 Conference Announcement

CONFERENCE CHAIRS

Executive Chair and Co-founder, Thredbo Conference Series



Professor David Hensher

***Director, Institute of Transport and Logistics Studies,
The University of Sydney Business School, Australia***

David Hensher is Professor of Management, and Founding Director of the Institute of Transport and Logistics Studies. His research interests include transport and logistics, choice modelling, performance methods, and integrated transport, land use and environmental modelling systems. David is a Fellow of the Australian Academy of Social Sciences, Recipient of the 2009

International Association of Travel Behaviour Research Lifetime Achievement Award, the 2006 Engineers Australia Transport Medal, and the Smart 2013 Premier Award for Excellence in Supply Chain Management. Honorary Fellow of Singapore Land Transport Authority, David advises numerous government and industry agencies in many countries. David is an alumnus of St Cross College, University of Oxford.

Thredbo 13 Conference Chair



Professor John Preston

***Head, Civil, Maritime and Environmental Engineering and Science
Academic Unit, University of Southampton, UK***

Professor John Preston is Head of the Civil, Maritime and Environmental Engineering and Science Academic Unit and Professor of Rail Transport at the University of Southampton. He is also an Honorary Fellow of St Anne's College. He has over 30 years of experience in transport research and experience, having previously worked at the University of Leeds (where he hosted the

1997 Conference) and the University of Oxford. His research interests include demand forecasting, cost modelling, economic appraisal and evaluation and regulatory studies, with a particular focus on public transport. He is an elected Fellow of the Transport Research Foundation and a Fellow of the Chartered Institution of Highways and Transportation. Along with David Hensher and Ian Wallis he has been an ever present at this Conference series.

Michael Beesley Award Committee Chair, Thredbo 13 Conference



Professor Jackie Walters

Chair, Department of Transport and Supply Chain Management, University of Johannesburg, South Africa

Professor Jackie Walters is the Chair of the Department of Transport and Supply Chain Management at the University of Johannesburg and the Director of the Institute of Transport and Logistics Studies (ITLS-Africa), a research unit working in close collaboration with the Institute of Transport and Logistics Studies at the University of Sydney. His academic speciality includes public transport and aviation studies, as well as transport economics and logistics. In his academic career he has read papers at 88 conferences, published or co-published 39 articles, and has undertaken 47 research projects. He has been a specialist adviser to the Southern African Bus Operators Association since 1989.

Workshop Chairs



Dr Andrew Smith

***Workshop 1. Developing an Effective Performance Regime
Institute for Transport Studies, University of Leeds, UK***

Andrew's research interests are in the field of cost and efficiency modelling, rail regulation and the impact of franchising and rail reforms on economic efficiency. He has published widely in these areas and has led a number of rail cost modelling projects including, for example: an international econometric study of rail infrastructure companies, funded by ORR as part of

its 2008 Periodic Review of Network Rail's efficiency (and ongoing 2009 to date); an international econometric investigation of marginal rail infrastructure costs, funded by the EU; and an econometric study of the cost impact of vertical separation in railways internationally.



Professor Juan Carlos Muñoz

Workshop 2. Bus Rapid Transit (BRT)

Department of Transport Engineering and Logistics, Pontificia Universidad Católica de Chile

Head of the Department of Transport Engineering and Logistics of the Pontificia Universidad Católica de Chile. His research areas are public transport, logistics, transport networks and traffic flow theory. He leads the Bus Rapid Transit Centre of Excellence (www.brt.cl) and co-directs the multidisciplinary Centre of Sustainable

Urban Development (www.cedeus.cl). He has been advisor of the Chilean Ministry of Transport, Metro of Santiago and Valparaíso. He also works on designing flexible work shifts for transit drivers and retail workers through Shift-UC (www.shift.uc.cl). Member of several international editorial boards.



Professor Sergio Jara-Díaz

Workshop 3. Institutional and Operational Reforms within Different Socio-economic and Cultural Context

Civil Engineering Department, University of Chile

Sergio Jara-Díaz is Professor of Transport Economics at Universidad de Chile. Holds a PhD and MSc from MIT, where he has taught during various terms. Author of Transport Economic Theory (Elsevier, 2007) and more than 90 articles in journals and books,

on the microeconomics of transport demand, time use and time values, multioutput analysis in transport industries and public transport modelling and pricing.



Professor Didier van de Velde

Workshop 4. Governance, Ownership and Competition in Deregulated Public Transport Markets

Faculty of Technology, Policy and Management, Delft University of Technology, and inno-V Consulting, The Netherlands

Didier van de Velde is a researcher at Delft University of Technology (Faculty of Technology, Policy and Management) and Director of inno-V, a Dutch consultancy bureau specializing in public transport (policy, planning and competitive tendering).

Didier is an expert on institutional reforms and competition in public transport and rail. He likes to analyse and bring structure to complex issues, he developed the STO (Strategic, Tactical, Operational) framework now widely used by public transport researchers. He advises local, national and international authorities on reforms and contracting. Recently he led an international research project on the economic effects of vertical separation in the railway sector.



Professor Chris Nash

Workshop 5. The Roles and Responsibilities of Government and Operators

Institute for Transport Studies, University of Leeds, UK

Professor Chris Nash is Research Professor in the Institute for Transport Studies, University of Leeds (ITS); he was Director of ITS for seven years. He works primarily on road and rail transport economics and policy, including pricing, regulation and project appraisal. He has been coordinator of six EU framework

programme research projects including UNITE, GRACE and Imprint-Europe, and contributed to many more, including currently SUSTRAIL. He has acted as specialist advisor to many organisations, including the European Commission High Level Group on Infrastructure Charging, OECD and the Transport and European Union Select Committees of the British Parliament.



Professor John Stanley

Workshop 6. Delivering Sustainable Public Transport

Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia

John joined ITLS in July 2008 as Adjunct Professor. Prior to taking on this role, he had nine years as Executive Director of

Bus Association Victoria, after eight years as Deputy Chairman of the National Road Transport Commission. He has been a member of the Vicurban Board, the Urban Renewal Authority Victoria Board, the Victorian Alpine Resorts Coordinating Council and is now a board member of the ADC Forum. He is a member of the Ministerial Advisory Committee advising Victoria's Minister for Planning on Melbourne's new Metropolitan Planning Strategy. He was awarded a Centenary Medal for services to public transport and conservation.



Professor Corinne Mulley

Workshop 7. Innovative Finance for Innovative Public Transport

Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia

Professor Corinne Mulley is the founding Chair in Public Transport at the Institute of Transport and Logistics Studies at

the University of Sydney. Since her appointment to Newcastle University as a transport economist she has been active in transport research at the interface of transport policy and economics. More recently Corinne has concentrated on specific issues relating to public transport. She led a high profile European and UK consortia undertaking benchmarking in urban public transport and has provided both practical and strategic advice to local and national governments on benchmarking, rural transport issues, and public transport management. Prof Mulley's research is motivated by a need to provide evidence for policy initiatives and since moving to Sydney has worked with Federal, State and Local governments as well as community groups to improve understanding in public transport issues in Sydney and beyond.



CONFERENCE COMMITTEES

Local Organising Committee

Professor John Preston (Chair) Maritime and Environmental Engineering and Science Unit, University of Southampton

Dr Karen Lucas Transport Studies Unit, University of Oxford

Professor John Nelson Rural Digital Economy Research Hub, University of Aberdeen

Dr Andrew Smith Institute for Transport Studies, University of Leeds

Professor Peter White Department of Transport Studies, University of Westminster

International Steering Committee

Professor David Hensher (Chair) Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia

Professor Joaquim de Aragão University of Brasília, Brazil

Brendan Finn European Transport and Telematics Systems Ltd, Dublin, Ireland

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Professor Rosário Macário Instituto Superior Técnico, Portugal

Professor Juan Carlos Muñoz Pontificia Universidad Católica de Chile, Chile

Professor Chris Nash Institute for Transport Studies, Leeds, UK

Professor John Preston University of Southampton, UK

Professor John Stanley Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia

Professor Didier Van de Velde Delft University of Technology and inno-V, The Netherlands

Professor Jackie Walters Institute of Transport and Logistics Studies, Africa (ITLS-Africa), South Africa

Ruth Steel (Secretariat) Institute of Transport and Logistics Studies, The University of Sydney Business School, Australia

HISTORY OF THE THREDBO SERIES

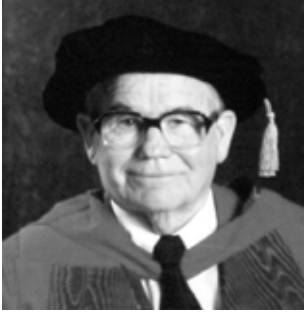
The International Conference Series on Competition and Ownership in Land Passenger Transport was established in 1989 by Professor David Hensher and the late Professor Michael Beesley CBE. The inaugural conference was held in Thredbo, Australia in 1989, (hence it becoming known as the Thredbo Conference Series); since this time it has been held biennially in locations all over the world: Tampere, Finland, 1991; Toronto, Canada, 1993; Rotorua, New Zealand, 1995; Leeds, UK, 1997; Cape Town, South Africa, 1999; Molde, Norway, 2001; Rio de Janeiro, Brazil, 2003; Lisbon, Portugal, 2005; Hamilton Island, Australia, 2007; Delft, The Netherlands, 2009; and Durban, South Africa, 2011.

The objective of the conference series is to provide an international forum to examine passenger transport competition and ownership issues, reporting on recent research and experience and developing conclusions on key issues. The focus is on determining the effects of different forms of competition, ownership and organisation for land-based passenger transport on operators, users, governments / funders and society as a whole. The conference series is directed towards a broad audience of policy makers, planners, decision makers on infrastructure, service operators, consultants, researchers, academics and students, and is recognised as one of the most important international forums for analysis and debate of competition and ownership issues in land passenger transport.

The conference is typically held over four days and features plenary sessions and a series of intensive workshops based around keynote papers and a series of resource papers providing a range of international perspectives on each issue. There is a strong emphasis on what policy lessons can be learnt from recent experience internationally and what issues warrant further investigation.

The series has established itself as the premier international forum dedicated to the analysis and debate of competition and ownership issues in land passenger transport. It has attracted high quality participation and delivered a large portfolio of impressive material synthesising developments not only from developed economies but increasingly from developing economies.

THE MICHAEL BEESLEY AWARD



Professor Michael Beesley was one of the most influential transport economists of his time. He was the co-founder (with Professor David Hensher) of the Thredbo Conference Series. In 2005 the conference series' International Steering Committee established the Michael Beesley Award to pay tribute to his memory. The award recognises the best workshop paper presented at the conference by a person in the early stages of their career (first ten years). The person must be the primary author of the paper presented. The

award is determined by the Michael Beesley Award Committee Chair (appointed by the Conference Chair) in consultation with all Workshop Chairs. The award recipient will receive a trophy presented on the closing day of the conference at the conference dinner. Honourable mention may will be made of two other presenters who receive certificates of recognition. All award recipients receive sponsored registration to the next conference in the series.



Past winners

Thredbo 12

Rico Merkert (Cranfield University, UK) for his paper: *Regulation, trust and contractual incentives around transport contracts - Is there anything bus operators can learn from public air service contracts?* (with David A. Hensher).

Thredbo 11

Alejandro Tirachini (Institute of Transport and Logistics Studies, The University of Sydney, Australia) for his paper: *Comparing operator and users costs of light rail, heavy rail and bus rapid transit over a radial public transport network* (with David A. Hensher and Sergio R. Jara-Daz).

Thredbo 10

Andrei Dementiev (Higher School of Economics, Russia), for his paper: *Vertical divestiture as a competitive strategy: The case of railway passenger transport reform in Russia.*

Thredbo 9

Anne Yvrande-Billon (Centre ATOM, University Paris 1, France), for her paper: *The attribution process of delegation contracts in the French urban public transport sector: why is competitive tendering a myth?*



Molde, Norway 2001



Lisbon, Portugal 2005



Rio de Janeiro, Brazil 2003



Hamilton Island, Australia 2007



Delft, The Netherlands 2009



Durban, South Africa 2011

www.thredbo-conference-series.org