

## Professor Chris Nash, ITS Leeds Research Professor



Prof Nash has acted as advisor to many bodies, including the European Commission High Level Group on Transport Infrastructure Charging, the European Union Committee of the House of Lords, the Transport Committee of the House of Commons and the Railways Group of the European Conference of Ministers of Transport. He has acted as advisor on high speed rail to HS2 Ltd, Network Rail, the US Transportation Research Board, the International Transport Forum and the Australian Department of Infrastructure and Transport. He has also undertaken projects on rail transport in China and South Korea. He has coordinated major international research projects on rail regulation and infrastructure charging for the European Commission and the Community of European Railways, as well as leading relevant projects for ORR and the Department for Transport. He is Associate Editor of the Journal of Rail Transport Planning and Management and a member of the Editorial Board of the Journal of Transport Economics and Policy (of which he is a former editor), the South African Journal of Transportation and Supply Chain Management, the International Journal of Transport Economics and of the International Journal of Green Economics.

His main research interests are: rail transport, regulation, appraisal, transport prices, and externalities.

### Education

BA (1<sup>st</sup> Class Honours) in Economics

PhD in Transport Economics

Fellow of the Chartered Institute of Logistics and Transport

### Employment History

2008 – Research Professor, University of Leeds

1989 – 2008 Professor of Transport Economics, University of Leeds

1975 – 1989 British Rail Lecturer in Rail Transport, University of Leeds (promoted to Senior Lecturer with effect from October 1988)

1971 – 1974 Lecturer in Economics, University of Southampton. Lectured on transport economics, cost-benefit analysis and public sector economics

### Research Projects and Experience (selected)

- 2000-2: Unification of Marginal Costs and Transport Accounts for Transport Efficiency (UNITE) (European Commission)

- 2001-2: ((with M Wardman) Measuring Demand for an Integrated Inter-urban Public Transport Network (EPSRC)
- 2001-3: Implementation of Pricing Reform – Transport (IMPRINT – EUROPE) (European Commission)
- 2003-10: (with M Wardman) Rail Research UK, ITS contribution to the Rail research Centre programme, focussing on rail costs and on strategic policy decisions(EPSRC)
- 2004-5: Advice to ORR on Structure of Charges review (ORR)
- 2005: Scoping study for scarcity charges (ORR)
- 2005-8: (with B Matthews) Generalisation of research on Accounts and Cost Estimation (GRACE ) (European Commission)
- 2008-9: Social costs of transport in China (Chinese Ministry of Railways)
- 2008-9: Rail investment policy (World Bank)
- 2009-10: Comparison of policies regarding rail passenger services in Britain, Sweden and Germany (VTI Sweden)
- 2009-10: Competition in the passenger rail industry (SNCF, France),
- 2011: On rail competition in the British passenger market (Office of Rail Regulation, Britain as subcontractors to MVA)
- 2012: Full costs of road and rail transport (Community of European Railways, Brussels)
- 2012: Vertical separation in railways (Community of European Railways, Brussels)
- 2013: Economic incentives for innovation: a comparative study of the rail and aviation industries (Rail Safety and Standards Board, Britain).
- 2011-2015: The Sustainable Freight Railway (European Commission)
- 2014-5: Review of Track Access charges (subcontractor to STRATEC for the Belgian Ministry of Transport)
- 2015-6; Korean Railway Investment and Operating System improvement Study (Korea Development Institute)

## Teaching

Professor Nash's teaching focussed on transport economics, public transport, project appraisal, and welfare economics. In recent years he has lectured on these subjects as visiting professor in the University of Sydney, Eurasian National University of Kazakhstan, University of Las Palmas, Gran Canaria (Spain), Polytechnic University of Catalonia in Barcelona and University College Molde (Norway).

## Selected Publications

- Chris Nash, Tom Sansom, Ben Still (2001). Modifying transport prices to internalise externalities: evidence from European case studies. *Regional Science and Urban Economics*, Vol 31, pp 413-431.
- C A Nash and T Sansom (2001) Pricing European Transport Systems: Recent Developments and Evidence from Case Studies. *Journal of Transport Economics and Policy* Vol 35 No 3 pp 363-380.
- C Nash, S Coulthard and B Matthews (2004) Rail track charges in Great Britain – the issue of charging for capacity. *Transport Policy*, vol 11 no 4 October 2004, pp 315-328.
- C Nash (2005) Rail infrastructure charges in Europe. *Journal of Transport Economics and Policy*, vol 39 part 3. September 2005. pp 259-278
- C A Nash (2006) Alternative models for restructuring. In: J.A. Gomez-Ibanez and G de Rus (eds.) *Competition in the Railway Industry. An international comparative analysis*, Edward Elgar, Cheltenham, pp. 25-48.
- D H Johnson, J D Shires, C A Nash and J Tyler (2006) Forecasting and Appraising the Impact of a Regular Interval Timetable. *Transport Policy*. 13 (6) pp349-366.
- Johnson, D.H.; Nash, C.A.(2008) Charging for Scarce Rail Capacity in Britain: A Case Study Review of *Network Economics* 7, pp.53-76
- Nash C.A.; Menaz B.; Matthews B. Inter-urban Road Goods Vehicle Pricing in Europe Road Congestion and Pricing in Europe: Implications for the United States , pp.233-251 2008 (published by Edward Elgar edited by Harry Richardson and Chang-Hee Bae)
- Nash, C.A. Transport infrastructure pricing: a European perspective Pricing in Road Transport. A multidisciplinary perspective. , pp.293-311 2008 (published by Edward Elgar, Cheltenham. edited by E Verhoef, M Bliemer, L Steg and B van Wee )
- E Niskanen and C A Nash (2008) Road Pricing in Europe - a review of research and practice  
in *Road Pricing, the Economy and the Environment*. Springer pp 5-28
- Laird, J.J.; Geurs, K.; Nash, C.A. (2009) Option and non-use values and rail appraisal. *Transport Policy*, 16, pp.173-182.
- Nash, C.A. (2009) Passenger Railway Reform in the Last 20 Years - European Experience Considered, *Research in Transportation Economics*, 22 (1), pp.61-70
- Smith, A.S.J., Nash, C.A. and Wheat, P.E.(2009), Passenger Rail Franchising in Britain: Has it been a Success? *International Journal of Transport Economics* Vol XXXVI No. 1, February, 33-62.

- Marta Sanchez-Borras, Chris Nash, Pedro Abrantes and Andre Lopez-Pita (2010) Rail access charges and the competitiveness of high speed trains. *Transport Policy* vol 17 102-109
- Nicole Adler, Eric Pels, Chris Nash (2010) High-speed rail and air transport competition: Game engineering as tool for cost-benefit analysis. *Transportation Research Part B* 44 812–833
- Smith, A.S.J., Nash, C.A. and Wheat, P.E (2010) Exploring the effects of passenger rail franchising in Britain: Evidence from the first two rounds of franchising (1997-2008) *Research in Transportation Economics* 29(1) 72-79
- Nash C A (2010) European Rail Reform and Passenger Services – the next steps. *Research in Transportation Economics* 29(1) 204-211
- Nash, C A and Michael Wolanski (2010) Workshop Report: Benchmarking the Outcome of Competitive Tendering. *Research in Transportation Economics* 29(1) 6-10.
- Nash, Chris (2010) Policy instruments for reducing greenhouse gas emissions from transport in Europe. *International Journal of Green Economics*. 4(2) 170-182.
- Nash, Chris (2010) Current debates on the cost-benefit analysis of transport projects in Great Britain. *Cuadernos Economicos*, Numero 80, December pp 67-81.
- Nash, Chris (2011) High Speed Rail: what leads to economic success? *Chinese Review of Transport Economics and Logistics*.
- Merkert, R, A. Smith and C.A. Nash (2012), 'The measurement of transaction costs – Evidence from European Railways', *Journal of Transport Economics and Policy*, 46 (3), 349-365.
- Nash, Christopher (2013) When to Invest in High-Speed Rail. Discussion Paper No. 2013-25. Prepared for the Roundtable on The Economics of Investment in High-Speed Rail (18-19 December 2013, New Delhi, India). *International Transport Forum, OECD, Paris*.
- Johnson DH, Jackson J, Nash C (2013) The wider value of rural rail provision, *Transport Policy*, **29**, pp.126-135.
- Nash, C A, Nilsson JE and Link H (2013) Comparing Three Models for Introduction of Competition into Railways. *Journal of Transport Economics and Policy*, Volume 47, Part 2, May 2013, pp. 191– 206.
- Merkert, R and Nash, C.A. (2013) Investigating European railway managers' perception of transaction costs at the train operation/infrastructure interface  
*Transportation Research Part A: Policy and Practice* **54**:14-25 Aug 2013

- Laird, J, Nash, C A and Mackie, PJ (2014) Transformational transport infrastructure: cost benefit analysis challenges' *Town Planning Review* **85**(6):709-730
- JianhongWu , Chris Nash , DongWang (2014) Is high speed rail an appropriate solution to China's rail capacity problems? *Journal of Transport Geography* 40 (2014) 100–111
- Mizutani F, Smith ASJ, Nash CA, Uranishi S (2014) Comparing the costs of vertical separation, integration, and intermediate organisational structures in European and East Asian railways, *Journal of Transport Economics and Policy*. 49( 3), 496–515.
- Nash CA, Smith ASJ, van de Velde D, Mizutani F, Uranishi S (2014) Structural reforms in the railways: Incentive misalignment and cost implications, *Research in Transportation Economics*, **48**, pp.16-23.
- Smith. ASJ and Nash, CA (2014) Rail Efficiency: Cost Research and its Implications for Policy. Discussion Paper 2014.22. International Transport Forum, OECD, Paris.
- Chris Nash (2015) (Editor) Handbook of Research Methods and Applications in Transport Economics and Policy. Edward Elgar, Cheltenham.
- Link H, Nash C, Ricci A (2016) A generalized approach for measuring the marginal social costs of road transport in Europe, *International Journal of Sustainable Transportation*, **10**, pp.105-119.