
Information on: [Department of Transport and Regional Economics](#) / [Research Centre Freight and Passenger Transport – Steunpunt Goederen- en Personenvervoer](#)

Dear Ms,
Dear Sir,

The [Department of Transport and Regional Economics](#) of the University of Antwerp is proud to announce its **10th Air Transport Colloquium** taking place on 6 December 2013, in co-operation with TransportNET. This year's presentations and discussions will focus on the topic of "Innovations in the Sky - The Need for Changes in Passenger and Cargo Transport".

As in the previous years, the colloquium will host interesting presentations by members from academia, policy and business, and will bring together academic and business participants. Topics that are dealt with during the day include:

- The influences of competition and regulation on airport innovation
- The impact of the crisis on innovation
- The convergence of business models
- Low-cost airlines and cargo
- Cargo innovation at airports
- Mergers and acquisitions as innovation

The day concludes with a panel discussion with important market players and involving all conference participants. During the panel discussion as well as the presentations, many opportunities will be provided for interaction between the speakers and the audience.

Registration for the colloquium is possible through the [colloquium web page](#), where also more information and the



detailed program of the colloquium can be found.

The Department during the latest four months had following **articles and reports** published by its members:

- DOMINGUEZ, Sergio, PAUWELS, Tom, VAN DE VOORDE, Eddy and Thierry VANELSLANDER, '[An assessment of the regulation of air cargo security in Europe: A Belgian case study](#)', Journal of Air Transport Management
- KUPFER, Franziska, PAUWELS, Tom, STRUYF, Els, VAN DE VOORDE, Eddy and Thierry VANELSLANDER, '[Economic Regulation of Airports: The case of Brussels Airport Company](#)', Journal of Case Studies on Transport Policy
- VAN MALDEREN, Laurent, JOURQUIN, Bart, PECHEUX, Claude, THOMAS, Isabelle, VAN DE VIJVER, Elien, VANOUTRIVE, Thomas, VERHETSEL, Ann, and Frank WITLOX, '[Exploring the profession of mobility manager in Belgium and their impact on commuting](#)', Transportation Research Part A: Policy and Practice
- VANELSLANDER, Thierry, DEKETELE, Lieven and Dennis VAN HOVE, '[Commonly used e-commerce supply chains for fast moving consumer goods: comparison and suggestions for improvement](#)', International Journal of Logistics Research and Applications: A Leading Journal of Supply Chain Management
- VERHETSEL, Ann, KESSELS, Roselinde, BLOMME, Nele, CANT, Jeroen en Peter GOOS, '[Location of logistics companies: A stated preference study to disentangle the impact of accessibility](#)', Working papers Faculty of Applied Economic Sciences
- RASHED, Yasmine, MEERSMAN, Hilde, VAN DE VOORDE, Eddy and Thierry VANELSLANDER, '[A univariate analysis: Short-term forecasts of container throughput in the port of Antwerp](#)', Working papers Faculty of Applied Economic Sciences
- DE LANGHE, Katrien, STRUYF, Els, SYS, Christa, VAN DE

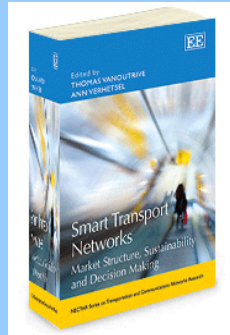


VOORDE, Eddy, VANELSLANDER, Thierry, '[Economic effects of a temporary shutdown of an airport - Review and case study](#)', Working papers Faculty of Applied Economic Sciences

- VAN HASSEL, Edwin, '[Structuurverandering in het segment van de grote drogeladingbinnenvaartschepen](#)', Working papers Faculty of Applied Economic Sciences

TPR members Thomas Vanoutrive and Ann Verhetsel edited a **book** in the NECTAR series on Transportation and Communications Networks Research: '[Smart Transport Networks - Market Structure, Sustainability and Decision Making](#)'. The following three chapters were written by members of TPR:

- Classifying Transport Studies Using Three Dimensions of Society: Market Structure, Sustainability and Decision Making (Thomas Vanoutrive and Ann Verhetsel)
- Nothing Remains the Same! Port Competition Revisited (Hilde Meersman, Eddy Van de Voorde and Thierry Vanelslander)
- Persistence of Profits in the Container Liner Shipping Industry? (Christa Sys)



Hilde Meersman and Eddy Van de Voorde, together with Moshe Ben Akiva (MIT), edited a new **book** on [Freight Transport Modelling](#). The book is complementary to Recent Developments in Transport Modelling - Lessons for the Freight Sector (2008), and provides fully new insights. It addresses the need to develop new freight transport models and scientific tools to counter internal and external economic impacts, and delivers theoretical and empirical input on three levels: global, regional and local (urban). The book presents insightful contributions from respected international experts in transport economics and freight modeling.

The new and fifth edition of the **Handbook** on '[Transport Economics](#)' by Gust Blauwens and Eddy Van de Voorde, together with Peter De Baere, is now available for purchase. The book contains updated applications of industrial-economic transport management techniques, aggregate demand and supply analysis and transport policy foundations and measures. More information on content and online purchasing are available through the [book's web page](#).

For other **book publications** from the Department, please visit the [book publication web page](#).

For other **publications** by Department members, please check the Department's [academic bibliography](#). For an overview of the research projects currently going on at the Department, and for upcoming deliverables, please have a look at the Department's [research project pages](#).

Following **lectures and conference presentations** have recently been given by Department members:

- On 25-26 October 2013: '[Het duwvaartkanaal Oelegem-Zandvliet: een ex-post analyse](#)' by Annelies Jaspers and Thierry Vanelslander; '[Aanbodbeleid voor watergebonden terreinen: een empirische studie voor Vlaanderen](#)' by Tom



Pauwels, Eddy Van de Voorde, Thierry Vanelslander and Ann Verhetsel; 'Ontwikkeling van een klein bakkenconcept om de kleine waterwegen te reactiveren' by Edwin van Hassel at 3^{de} Baksteencongres 'Baksteen te water', Boom



- On 25 October 2013: 'Research findings on last-mile, waste and reverse logistics' by Roel Gevaers at Procter & Gamble Supply Network Innovation Centre seminar 'The eCommerce Revolution', Strombeek-Bever

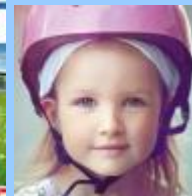


- On 24 October 2013: Joost Hintjens gave a short view of the future of logistics in the present of alumni, students, faculty and the Flemish Minister President and the Minister of Mobility and Public Works at the 25th anniversary of the logistics program at the university college Vives in Kortrijk



- On 22 October 2013: 'Uitdagingen Mobiliteit en Logistiek' by Thierry Vanelslander at Bedrijventerreinen & Logistiek Vastgoed 2013, Antwerp – [view pictures](#)

- On 15 October 2013: 'Keynote welcome' by Ann Verhetsel at Levenslijn Fietshelm seminar, Antwerp – [view pictures and presentations](#)



- On 9 October 2013: 'Container Routes, including development in the North Pole' by Christa Sys; 'Port Infrastructure Finance Review' by Thierry Vanelslander at BNP Paribas Fortis Ports Practice meeting, Brussels



- On 8-10 October 2013: 'Cost modeling and simulation of B2C last mile characteristics in urban areas and cities' by Roel Gevaers, Eddy Van de Voorde and Thierry Vanelslander; 'Cost Benefit Analysis to Evaluate an Urban Freight Project?' by Department PhD fellow Jochen Maes; 'Analyzing the management strategies of air cargo carrier. From Carpet Sellers to Cargo Star' by Department PhD fellow Wouter Dewulf together with Hilde Meersman and Eddy Van de Voorde; 'The Nature of the Open Access Railway Operator Transportation Sector in Germany' by Department PhD fellow Dan Behr; 'Panel on Best Practices in



2013 I-NUF

5th METRANS International Urban Freight Conference
October 8-10, 2013 The Westin Long Beach Hotel, CA

Collaboration Between Researchers and Practitioners' with active participation by Roel Gevaers at 5th METRANS 2013 Urban Freight Conference, Long Beach – [view pictures](#)

- On 30 September – 2 October 2013: 'A level playing field in the European air transport sector? – a Belgian case study' by Franziska Kupfer, Katrien De Langhe, Sérgio Domingues, Christa Sys, Eddy Van de Voorde and Thierry Vanelslander; 'Corporate social responsibility in seaports: confronting innovation to economic, social and environmental objectives' by Thierry Vanelslander; Thierry Vanelslander chaired a session on 'Going green in logistics' at European Transport Conference, Frankfurt

- On 30 September 2013: guest lecture 'Scale and capacity in shipping' by Christa Sys at Maritime Technology and Operations -minor Maritime and Port Management (MPM-MTO) at Hogeschool Rotterdam

- On 24 September 2013: 'Panel Nautische Ketenwerking' introduced and moderated by Thierry Vanelslander at Kick-off Nautische Ketenwerking Portilog, Antwerp – [view pictures](#)

- On 24 September 2013: 'Port Investments as Policy Instrument: Simulations of Strategic Policy Decisions in Complex Port Environments' by Department PhD fellow Koen De Winne at Faculty of Applied Economics doctoral seminar

- On 14 September 2013: 'Structuurverandering in het segment van de grote drogeladingbinnenvaartschepen' by Edwin van Hassel at Droge Lading Comité Congres, Gorinchem – [view minutes](#)

- On 5-9 September 2013: 'Smart Specialization: the Case of the Logistics sector in Belgium' by Ann Verhetsel, Thomas Vanoutrive and Isabelle Thomas, 18th European Colloquium on Theoretical and Quantitative Geography, Dourdan



- On 15-19 July 2013: 'The Container Transport System (CTS): Port Selection and Commercial Location' by Marzieh Nazemzadeh, Hilde Meersman and Thierry Vanelslander; 'Economic effects and costs of a temporary shutdown of an airport - The Brussels Airport case' by Katrien De Langhe, Christa Sys, Eddy Van de Voorde and Thierry Vanelslander; 'A framework for successful implementation of green innovation in seaports' by Michele Acciaro, Thierry Vanelslander, Christa Sys, Claudio Ferrari, Athena Roumboutsos, Genevieve Giuliano, Siu Lee Jasmine Lam and Seraphim Kapros; 'Cross-sector comparison of Public-Private Partnership projects: an application to ports, interurban and urban transport' by Thierry Vanelslander, Géraldine Bonnet, Gilles Chomat and Athena Roumboutsos; 'E-Vehicles in City Logistics: A Potential for Innovation Uptake' by Athena Roumboutsos, Seraphim Kapros and Thierry Vanelslander; 'the relationship between the Boone indicator and the Herfindahl-Hirschman Index: evidence for the container liner shipping industry' by Christa Sys; 'Flanders logistics in perspective of hubs and supply chains - Port of Zeebruges by Christa Sys in the Special Session 'Smart logistics hubs and corridors'; 'Vessel arrivals forecasting in a CTA data analysis strategy based on machine learning models' by Department PhD fellow Claudia Pani, together with Francesco Mola, Paolo Fadda, Gianfranco Fancello, Luca Frigau and Massimo Cannas; 'Analyzing the management strategies of air cargo carrier. From Carpet Sellers to Cargo Star' by Department PhD fellow Wouter Dewulf together with Hilde Meersman and Eddy Van de Voorde; 'Competition on cross-border high-speed rail in Europe after market opening' by Department PhD fellow Jack Doornik at 13th World Conference on Transport Research, Rio de Janeiro

- On 3-5 July 2013: 'Port Hinterland Competitiveness: Analysis of a Road Expansion Project, applied to the Port of Zeebruges' by Christa Sys and Thierry Vanelslander; 'Ship



operators' port selection behavior in north European ports' by Marzieh Nazemzadeh, Hilde Meersman and Thierry Vanelslander; '*Environmental sustainability in seaports: a framework for successful innovation*' by Michele Acciaro, Thierry Vanelslander, Christa Sys, Claudio Ferrari, Athena Roumboutsos, Genevieve Giuliano, Siu Lee Jasmine Lam and Seraphim Kapros; '*Market share (in)stability in the container liner shipping industry?*' by Christa Sys at IAME (International Association of Maritime Economists) – Annual Conference 2013, Marseille



Further details on the conferences where members contributed are available on the [Department's website](#). Requests for copies of the various presentations should be addressed to the organizers, as publishers of the respective proceedings.

Department members have given a series of **press interviews** during the latest months. Full details, and related textual, audio and video material is available through [the Department's media page](#).

On 9 September 2013, the University of Antwerp hosted a brainstorm session of the [European FP7 project Retrofit](#), to which the Department contributes. The goal of the session was to make some first steps in an analysis in which regulatory framework changes are necessary to support the need to retrofit ships towards cleaner and greener shipping. The following questions were addressed: (1) How to create a connection between the external cost of shipping and the internal cost for the ship owner? (2) How to give incentives to ship owners without distortion of the level playing field? And (3) Are there market based instruments which can give



incentive to make shipping cleaner?

At the coming EUROPORT exhibition in Rotterdam (The Netherlands), the research projects RETROFIT and [GRIP](#) will join together for a midterm conference (free of costs) on Thursday 7th November 2013 (13.00-17.00 hours). Both projects are involved with green technologies for existing ships. The programme of the conference consists of four themes:

- Green Technologies
- Voyage Simulation and Energy Consumption
- The Retrofit Process
- Regulatory Framework Developments

Please allocate this event in your agenda and follow the information about the programme and the speakers on the RETROFIT and GRIP websites. Contact CMTI (www.cmti.nl | info@cmti.nl) for more information or if you want to be invited.

On 7 November 2013, the research project [VISIONS](#), to which the Department participates, will host a **workshop (in Dutch) on the new valorization options of organic side streams**, more in particular on fiber-rich side streams. Full information can be found on the [workshop website](#). Everybody is welcome to join the event and discuss, but registration is needed.



COST Action TU1001 Public Private Partnerships in Transport: Trends & Theory (P3T3), to which Thierry Vanelander from the Department is vice-chair, is hosting a **three-day training course on Case Analysis of PPP Transport Projects** at the University of Twente, Netherlands from 27 till 29 November 2013. The course is open to Post-graduate students, professionals, consultants and advisors of all disciplines related to PPPs in transport infrastructure. Information and registration, as well application for COST grants, is available through the [course web page](#).



Christa Sys received on 3 October 2013 the **General Manager Fernand Suykens Prize for Port Studies** for her doctoral research awarded by the Section of Technical Sciences of the Royal Academy for Overseas Sciences. The prize was presented by Mr. Philippe Goyens, permanent secretary in the presence of Mr. Jan Suykens – [view pictures](#).



As part of the signing of the **new co-operation agreement between Chongqing University and University of Antwerp**, Thierry Vanelslander, in the presence of officials of both Universities as well as Flemish Minister-President Kris Peeters, on 11 September 2013 gave a keynote speech on 'Modern Challenges for Future Supply Chains' at the seminar 'Future Challenges for Modern Supply Chain'. The Department also laid the foundation for research and PhD training co-operation.



Two PhD's were recently defended successfully at the Department:

- Roel Gevaers on 14 October 2013, on '*Evaluation of innovations in B2C last mile, B2C reverse and waste logistics*'. Roel's PhD deals with decomposing last mile, reverse and waste logistics operations into their cost structures, and in particular in the characteristics that impact on costs. Lessons are derived as to improvement options for both operators and policy-makers. Subsequent to the defense, Mr. Sergio Barbarino from Procter & Gamble's Supply Network Innovation Centre gave a closing speech, underlining the importance towards the FMCG sector of gaining scientific insight in the factors impacting delivery costs. Pictures from the event are available through [Roel's PhD web page](#).



- [Evy Onghena](#) on 23 October 2013, on '[The Impact of the Cost Structure on the Strategic Behaviour of Integrators](#)'. Evy's PhD deals with the question whether the strategies of integrators (FedEx, UPS, DHL and TNT) are consistent with their cost structure. To gain an insight into the integrators' cost structure, two tools are selected and developed: a translog cost function of the airline operations of FedEx and UPS, together with a cost simulation model of the air express cycle. Subsequent to the defense, Mr. Koen Gouweloose, Managing Director DHL Aviation NV Benelux & France, gave a closing speech, highlighting the importance towards the integrator sector of gaining scientific insight in cost structures and related forms of integration. Pictures from the event are available through [Evy's PhD web page](#).



- Franziska Kupfer has won the 2013 "**Gobelijn**" award for best teaching assistant in the Masters program of the Faculty of Applied Economics of the University of Antwerp. The award is given yearly by the students to the best professor and teaching assistant.



The Department hosted a **guest lecture by Prof. Martin Dresner** on 22 October 2013 on '[Economics of airline alliances and mergers](#)'. Martin Dresner is Professor at the Robert H. Smith School of Business, University of Maryland. His research focuses on two broad areas, air transport policy and logistics management.

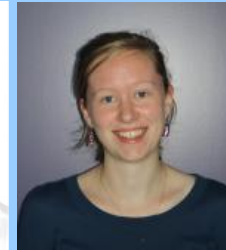


On Wednesday 9th October 2013, Ann Verhetsel received the students of the Master City Developer of the Erasmus University Rotterdam for a **lecture on Urban Strategic Projects** in Antwerp followed by a fieldtrip by bike visiting 10 projects and a lecture on the Antwerp quay project by ir. Philippe Teughels from the City of Antwerp – [view picture](#).

On Friday 18th October 2013, Ann Verhetsel organized a **fieldtrip to London** on urban economics and real estate markets for the students of the Master Real Estate of the Antwerp Management School – [view picture](#).

A number of **positions changed** within the Department:

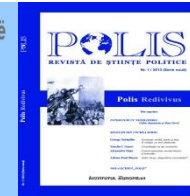
- As of 1 October 2013, Thierry Vanellander became Assistant Professor of Ports, Transport and Logistics at the Department. Since October 2010, he was holder of the BNP Paribas Fortis Chair on Transport, Logistics and Ports at the Department.
- Christa Sys became holder of the BNP Paribas Fortis Chair on Transport, Logistics and Ports. Since October 2010, she was Scientific Director of the Research Centre on Freight and Passengers Transport (MOBILO) hosted by the Department. She is still involved in the Research Centre as promotor now.
- As of 1 November 2013, Evy Onghena will be the new Scientific Director of the Research Centre MOBILO. Her principal assignment is to stimulate, coordinate, supervise and follow up on the research activities conducted within the Research Centre.
- Katrien De Langhe, previously active as a PhD researcher within the Research Centre MOBILO, will move as of 1 November 2013 to the position of research and teaching assistant at the Department. Katrien will continue doing research on city rail distribution strategies.



Ann Verhetsel got appointed member of the **Royal Flemish Academy of Belgium for Science and the Arts**.

Eddy Van de Voorde got re-appointed member of the **Flemish Port Commission**.

Eddy Van de Voorde also got appointed member of the international board of the **journal 'Polis'**.



The [Research Centre on Freight and passenger flows](#) published a policy paper on '**How well can we know the modal split of workplace?**'. Contemporary transport policy often focuses on employers and workplaces. For example, the recent white paper on transport of the European Commission proposes to 'Encourage large employers to develop Corporate/Mobility Management Plans'. The paper of the Policy Research Centre analyses the potential of statistical models to assess the outcomes of workplace travel plans (WTP). A series of models estimates the share of Single Occupant Vehicle (SOV) commuting to workplaces in Belgium. The results might be useful to improve the quality of mobility assessments, WTPs, and the evaluation of subsidy applications. Since the amount of information available to experts varies, we gradually add information to the model to test whether the absence of certain types of data (e.g. information on accessibility or activity sector) has a major impact on the model results. This analysis shows

Het [Steunpunt Goederen- en Personenvervoer](#) publiceerde de beleidsondersteunende paper '**Hoe goed kunnen we de modal split van een werkplaats kennen?**' Mobiliteitsbeleid vandaag legt dikwijls de nadruk op de rol van werkgevers en werkplaatsen. Zo moedigt de Europese Commissie in het recentste Witboek Transport de opmaak van bedrijfsvervoerplannen aan. De paper van het Steunpunt MOBILO gaat na of statistische modellen een bijdrage kunnen leveren om de resultaten van bedrijfsvervoerplannen in te schatten. In een serie van modellen werd het aandeel van de personenwagen geschat in de modal split van werkplaatsen in België. De resultaten kunnen een bijdrage leveren om de kwaliteit van mobiliteitseffectenrapporten verder te verbeteren, om bedrijfsvervoerplannen meer te onderbouwen en om subsidiedossiers te helpen beoordelen. Aangezien in verschillende situaties de experts niet steeds dezelfde informatie ter beschikking hebben, werd nagegaan hoe goed het aandeel van de personenwagen in te schatten is indien er meer of minder informatie ter beschikking is. Redelijke inschattingen kunnen gebeuren, maar

that without adding the past share of the car, the current share can only be predicted moderately well. Finally, results improved when the analysis was restricted to subsamples. Combining expert knowledge with statistical analysis seems to be a valuable strategy for workplace-oriented transport policies. The document is [available for download](#) (in Dutch only).

de resultaten zijn significant beter indien geweten is hoe er in het verleden gependeld werd. Ook het gebruik van deelpopulaties verbeterde de verklarende kracht van de modellen. De combinatie van expertkennis en statistische analyse lijkt een geschikte strategie om mobiliteitsbeleid dat zich richt op werkgevers te versterken. Het rapport kan hier [gedownload](#) worden.



The Department of Transport and Regional Economics of the University of Antwerp, through the Policy Research Centre on Freight and Passenger Transport it hosts, has on offer two job openings:

- [Doctoral grant in the area of 'port competition'](#)
- [Doctoral grant in the area of 'city logistics'](#) (Dutch knowledge required)

The two positions involve economic research in the

Het Departement Transport en Ruimtelijke Economie van de Universiteit Antwerpen heeft binnen haar Steunpunt Goederen- en personenvervoer twee openstaande vacatures:

- [Doctoraatsbursaal in het domein 'havenconcurrentie'](#)
- [Doctoraatsbursaal in het domein 'stedelijke distributie'](#)

De twee posities situeren zich binnen economisch onderzoek in de vermelde domeinen, en staan open tot 15 november 2013. Solliciteren kan door op de webpagina's van de respectieve plaats te

mentioned domains, and are open until 15 November 2013. [Klikken.](#)
Job applications can be submitted through the respective
position web pages.



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