




Pierre CARIOU

Senior Professor

Shipping and Port Economics

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EDUCATION

- 2000 Ph.D in Economics (University of Nantes, France). Thesis: “Strategic alliances in liner shipping: efficiency or market power?”
- 1996 D.E.A in Marine Policy. Ecole Nationale Supérieure Agronomique de Rennes (ENSAR).
- 1994 M.S.c in Applied Economics (University of Nantes, France).
- 1993 BSc in Business Administration (University of Nantes, France) and Certificate in Business Administration (University of Limerick, Ireland).

PROFESSIONAL EXPERIENCE AT KEDGE BUSINESS SCHOOL

Courses taught

- 2010- M.Sc MTLCI Management Maritime. Port strategy and management, Transport International et Logistique. MS Management Maritime International. Stratégie et développement portuaire. Maritime MBA. Port and maritime economics. ESC. Maritime Economics.

Research Activities

- 2010- Maritime Economics, Maritime Management, Maritime Policy, Safety and Environmental Protection.

Other Academic Activities

- 2010- Vice President (2014-) of the International Association of Maritime Economists (IAME)

Visiting Professor. World Maritime University (Malmo, Sweden)

Visiting Professor WMU/Shanghai Maritime University (Shanghai, China)

Council member of the French Friends of WMU

Member of the Port Performance Research Network (PPRN)

External assessor for Research Grant Council, Hong Kong Polytechnic

Journal Editorial Boards:

Transportation Research Part E/WMU Journal of Maritime Affairs/
International Journal of Ocean Systems Management/ African Review of
Maritime Affairs and Transportation/ International Journal of Shipping and
Transport Logistics/Regional Maritime University Journal

Maritime Economics and Logistics PhD competition review committee,
International Association of Maritime Economist Conference Review
Committee, Econship2011,

OTHER PROFESSIONAL EXPERIENCE IN TEACHING AND RESEARCH

Positions held

- 2004-2010 Professor in Shipping and Port Economics (World Maritime University, Malmö, Sweden). French Chair in Maritime Affairs. Head of Shipping and Port Management MsC programs
- Professional Development Courses (PDC) - Key Port Performance Indicators for Port Institute (Athens 2 days, 2009), Maritime and Port Administration of Irak (Copenhagen, 5 days, 2008), Maritime and Port Administration of Iran (Teheran, 5 days, 2007), Port Institute (Abu Dhabi, 5 days, 2005)
- Professional Development Course (PDC) on Maritime Economics for CISCO (Copenhagen, 1 day, 2006), Panama Canal Authority (Panama city, 5 days, 2005)
- 2001-2004 Associate Professor in Economics (University of Nantes, France). Faculty of Economics and Business Administration (University of Nantes, France)
- 1997-2000 Researcher - Erasmus University of Rotterdam, The Netherlands (2000)
- Researcher at ISEMAR, Saint-Nazaire, France (1997-1999)
- ATER, University of Nantes, France (1996-1999)
- Rapporteur Commissariat General du Plan, Evaluation des Politiques Maritimes, Paris, France (1997)

HONOURS

- 2008 Place of Fontenoy collective prize (French Ministry of Transport) in 2008 as a participant in Mare Economicum Book (P. Guillotreau Eds).

- 2006 Best Runner Up prize - IAME Conference - Melbourne. Cariou P., Wolff F-C., (2006), An analysis of Bunker Adjustment Factor and freight rates on the Europe/Far East market 2000-2004.
- 2001 Maritime Economics and Logistics/Palgrave-MacMillan PhD 1st Prize 1999-2002. Panama City.
- 2001 Special PhD Prize UPACCIM (French Port Association).

PUBLICATIONS

Articles published in refereed journals

Faury O., Cariou P., (2015), Relevance of the Northern Sea Route (NSR) for bulk shipping, *Transportation Research Part A* 78, 337-345.

Cariou P., Wolff F-C., (2015), Identifying substandard vessels through Port State Control inspections: A new methodology for Concentrated Inspection Campaigns, *Marine Policy* 60, 27-39.

Cariou P., Ferrari C., Parola F. (2015), Strategies in maritime and port logistics, *Maritime Economics and Logistics* 17(1), 1-8.

Cariou P., Ferrari C., Parola F. (2015), Addressing special challenges in maritime and port logistics, *Maritime Policy and Management* 41(5), 425-429.

Cariou P., Figueirido de Olivera G., (2015), The impact of competition on container port (in)efficiency, *Transportation Research Part A* 78, 124-133.

Cariou P., Ferrari C. Parola F., (2014). Contemporary challenges in maritime economics research, *International Journal of Transport Economics* XLI (2), June, 177-180.

Cariou P., Dagnet F., Fedi L., (2014), The new governance structure of French seaports, *Maritime Policy and Management* 41(5), 430-443.

Cariou P., Cheaitou A., (2014), Cascading effects, network configurations and optimal transshipment volumes in liner shipping, *Maritime Economics and Logistics* 16, 321-342.

Notteboom T., Cariou P., (2013), Slow steaming in container liner shipping: is there any impact on fuel surcharges practices, *International Journal of Logistics Management*, 24(1), 73-86.

Cariou P., Wolff F.C., (2013), Chartering practices in liner shipping, *Maritime Policy and Management*, 40(4), 323-337.

Cariou P., Cheaitou A., (2012), Liner shipping service optimization with reefers container capacity: an application to Northern Europe/South America trade, *Maritime Policy and Management*, 39(6), 589-602.

Cariou P., Wolff F.C., (2012), Management outsourcing in the maritime transport industry. *International Journal of Transport Economics*, Vol. XXXIX, No. 2, 219-237.

Cariou P., Wolff F.C., (2011). Ship-owners' decision to outsource vessel management, *Transport Reviews* 31(6), 709-724.

Cariou P., Cheaitou A., (2011). The effectiveness of a European speed limit versus an international bunker-levy to reduce CO2 emissions from container shipping, *Transportation Research Part D* 17(2), 116-123.

Cariou P., Figueirido de Olivera G., (2011). A DEA study of the efficiency of 122 iron ore and coal ports and of 15/17 countries in 2005, *Maritime Policy and Management* 38(7), 727-743.

Cariou P., Wolff F.C., (2011). A longitudinal analysis of piracy in shipping, *Economics Bulletin* 31(2), 8 p.

Cariou P., (2011). Is slow steaming a sustainable means of reducing CO2 emissions from container shipping, *Transportation Research Part D* (16), 260-264.

Cariou P., Wolff F.C., (2011). Do Port State Control inspections influence flag- and class-hopping phenomena in shipping? *Journal of Transport Economics and Policy* 45, Part 2, May, 155-177.

Cariou P., Wolff F.C., (2010). La détention des navires par les Etats du Port: Une application uniforme des règles ? *Annuaire de Droit maritime Océanique*, Tome XXVIII, 411-427.

Wolff F.C., Cariou P., (2010). Le contrôle des navires par l'Etat du Port : Une analyse des critères de sélection des navires à inspecter. *Annales de l'Institut Méditerranéen des Transports Maritimes*, 229-238.

Cariou P., Wolff F.C., (2010), La future réglementation de l'OMI sur les émissions de CO2 : Les conséquences d'une approche par types de navires, *Revue Maritime*, N° 488.

Lun V., Cariou P., (2009), DEA Application to container ports, *International Journal of Shipping and Transport Logistics*, 1(4): 419-438.

Cariou P., Meija M., Wolff F.C., (2009). Evidence on target factors used for port state control inspections, *Marine Policy*, 33(5): 847-859.

Cariou P., Meija M., Wolff F.C., (2009), Is maritime piracy random? *Applied Economics Letters* 16(9): 891-895.

Cariou P., Meija M., Wolff F.C., (2008), On the effectiveness of Port State Control Inspections, *Transportation Research Part E*, pp. 491-503.

Cariou P., (2008), Liner shipping strategies: An overview, *International Journal of Ocean Systems Management*, Vol. 1 (1), pp. 2-13.

Cariou P., Meija M., Wolff F.C., (2007), An econometric analysis of deficiencies noted in Port State control inspections, *Maritime Policy & Management*, Vol. 34 (3), June, pp. 243-258.

Cariou P., Wolff F-C., (2006), An analysis of Bunker Adjustment Factor and freight rates in the Europe/Far East market 2000-2004, *Maritime Economics and Logistics*, Vol. 8, N. 2, June, pp. 187-201.

Cariou P., (2004), Les principales évolutions de long terme du transport maritime international, *Revue Congolaise des Transports et des Affaires Maritimes*, Aout-Décembre, pp. 125-133.

Benacchio M., Cariou P., Haralambides H.E., (2002), Dedicated Container Terminals: Cost and Benefits from a port perspective, *International Journal of Maritime Economics*, Mars-Avril, 19 p.

Cariou P., (2001), Vertical integration within the logistic chain: does “regulation” play rational? The case for dedicated container terminals, *Trasporti Europea*, Trieste, 15 p.

Cariou P., (2000), Les économies d'échelle dans le transport maritime de lignes régulières, *Cahiers Scientifiques des Transports*, n°37, pp. 75-96.

Books

Thebaud O., Hay J., Perez Agundez J., Cariou P., (2008), Les enjeux économiques des Marées Noires, Collection IFREMER, 120 p.

Musso E, Gonzales Laxe F., Cariou P., Barros E. A. (2005), Gestion portuaria y traficos maritimos. Coleccion de Estudios Maritimos, Instituto Universitario de Estudios Maritimos, La Coruna, 125 p.

Chapters in Books

Cariou P., Figueirido de Olivera G., (2013), Chapitre 1. Transport maritime de charbon et de minerai de fer et efficacité portuaire. Edited by Lacoste R. and Alix Y. Eds. *Logistique et Transport des Vrac*, EMS, Management et Sociétés, 59-76.

Meija M., Cariou P., Wolff F-C., (2012), Ch. 18. Piracy in Shipping. Edited by Talley W.K. Eds. *Maritime Economics- A Blackwell Companion*. Blackwell Publishing, 346-370.

Cariou P., Meija M., Wolff F-C., (2012), Ch. 32. Port State Control deficiencies. Edited by Talley W.K. Eds. *Maritime Economics- A Blackwell Companion*. Blackwell Publishing, 656-673.

Notteboom T., Cariou P., (2011), Chapter 11. Bunker Adjustment Factor in Liner Shipping. In K. Cullinane (eds), *International Handbook of Maritime Economics* (pp. 223-255), Edward Elgar, Cheltenham, UK, Northampton, MA, USA.

Notteboom T., Cariou P., (2011). Bunker costs in Container Liner Shipping: Are slow Steaming Practices Reflected in Maritime fuel Surcharges? In T. Notteboom (Ed.) *Current Issues in Shipping Ports and Logistics* (pp.69-82). Antwerp: University Press Antwerp.

Cariou P., Meija M., Wolff F.C., (2008), Chapter 7 Ship Piracy: Ship Type and Flag in Maritime Safety, Security and Piracy, Edited by W. K. Talley, Old Dominion University. Informa LLP.

Cariou P., Meija M., Wolff F.C., (2008), Chapter 9 Port State Control, in Maritime Safety, Security and Piracy, Edited by W. K. Talley, Old Dominion University. Informa LLP.

Cariou P., Lacoste R., (2008), Chapitre 7. Transport maritime, in Mare Economicum, P. Guillotreau (eds), University of Nantes, Presse Universitaire de Rennes, 552 p.

Cariou P. (2006). La révision par la Commission européenne du règlement 4056/86 sur les conférences maritimes, pp. 191-200 In J. Guellec & P. Lorot (eds.), *Planète Océane - L'essentiel de la Mer*, Edition Choisel.

Communications published in conference proceedings

Cariou P., Figueirido de Olivera G., (2014), The impact of competition on container port (in)efficiency, Proceeding of IAME2014 Conference, Norfolk, July 15-18 2014.

Cariou P., Dagnet F., Fedi L., (2013), The new governance structure of French seaports, Proceeding of IAME2013 Conference, Marseille, July 3-5 2013.

Cariou P., Cheaitou A., (2013), Cascading effects, network configurations and optimal transshipment volumes in liner shipping, Proceeding of IAME2013 Conference, Marseille, July 3-5 2013.

Cariou, P., Cheaitou A. (2012), Cascading effect, Network Configuration and Optimal Transshipment Volume, *International Association of Maritime Economists Conference*, Taipei, 6-8 September.

Cariou, P., (2012), Key notes : Actualité du sujet : les principaux enjeux, Colloque Amis de l'Université Maritime Mondiale, slow steaming : enjeux économiques ou environnementaux, Ministère de l'Ecologie, du développement durable, des Transports et du Logement, 14 Mars 2012, Paris

Cariou P., (2012), Effets économiques du slow steaming, Colloque Ecole Nationale Supérieure Maritime « Optimisation énergétique des navires de commerces », 17-18 Janvier, Marseille.

Cariou, P., (2011), Analyse stratégique du slow steaming, Séminaire IFFSTAR/Association des Ports de France, Paris, 9 June.

Cariou, P., (2011). Is slow steaming a sustainable mean for reducing liner shipping CO2 emissions? ECONHIP 2011 Conference, 22-24 June, Chios, Greece.

Cariou P., Notteboom, T. (2010). Bunker costs in Container Liner Shipping: Are slow Steaming Practices Reflected in Maritime fuel Surcharges? ALRT2010 Conference:

Analyzing logistics and transport networks in a changing world economy geography, Antwerp, 2-3 December 2010.

Cariou, P. (2010). Is slow steaming a sustainable mean for reducing liner shipping CO2 emissions? 4th Euromed Management Forum 2010, Marseilles, France, 14 September 2010.

Cariou P., (2010). The impact of the financial crisis on shipping industry, *International Forum for Education, Training and Maritime Transport Industry*, March 29 -30, Arab Academy, Alexandria, Egypt.

Cariou P. (2010), CO₂ emissions from international shipping by flag of registry, *International symposium*, Vlora, Albania, 14-15 May.

Cariou P., Wolff F-C., (2009). Do Port State Control influence Flag and Class-Hopping phenomena in Shipping, *International Association of Maritime Economists Conference*, Copenhagen, 24-26 June.

Notteboom T., Cariou P., (2009), Fuel surcharge practices of containers shipping lines: Is it about cost recovery or revenue-making?. *International Association of Maritime Economists Conference*, Copenhagen, 24-26 June.

Cariou P., Meija M., Wolff F.C., (2007), An econometric analysis of deficiencies noted in Port State control inspections, *Proceedings of the International Symposium on Maritime Safety, Security and Environmental Protection*, Athens, Greece, September.

Cariou P., Meija M., Wolff F.C., (2007), On the effectiveness of Port State Control Inspections, *Proceedings of the 11th World Conference on Transportation Research*, Berkeley CA, June 24-28.

Cariou P., Meija M., Wolff F.C., (2007), An investigation into the characteristics of merchant vessels subject to acts of piracy and armed robbery (1996-2005), *Proceedings of the International Association of Maritime Economists*, Athens Greece, July 4-6.

Cariou P., Al Qubaisi A., (2006), Investment appraisal in container terminals: an application to the extension of post-panamax facilities in Jebel Ali (Dubai - UAE), *International Conference Maritime Transport 2006*, Barcelona, May.

Cariou P., Wolff F-C., (2006), An analysis of Bunker Adjustment Factor and freight rates on the Europe/Far East market 2000-2004, *International Association of Maritime Economists Conference*, Melbourne, July.

Cariou P., (2006), *A comparison of systematic risks for Capesize spot, trip charter and time charter rates (1999-2004)* International Association of Maritime Economists Conference, Melbourne, July.

Cariou P., (2004), *Social cost-benefit analysis of dedicated terminals (DT)*, International Association of Maritime Economists Conference, Izmir, Turkey, June, 11 p.

Cariou P., (2003), La evolución y los cambios en los transportes marítimos en los últimos años. Las sinergias en el campo marítimo, *Seminario Transporte Marítimo y Gestión Portuaria*, Club Financiera de Vigo, 27 November.

Cariou P., (2003), L'émergence de terminaux dédiés au sein des ports à conteneurs: une analyse coût-bénéfice, *Actes du colloque Maritime Transport, Globalisation, Regional Integration and Territorial Development*, juin 2003, Le Havre, 22 p.

Cariou P., (2003), An Analysis of Tankers Lost at Sea, *Journées d'étude IUT Saint-Nazaire*, Département GLT.

Cariou P., (2002), Strategic alliances in Liner Shipping: An analysis of "operational synergies", *International Association of Maritime Economists Conference*, Panama City, Panama, September, 26 p.

Benacchio M., Cariou P., Haralambides H.E., (2001), Costs, Benefits and Pricing of Dedicated Container Terminals, *World Conference on Transportation Research*, Seoul, South Korea, 22-27 July.

Cariou P., (2001), Vertical integration within the logistic chain: does "regulation" play rational? The case for dedicated container terminals, *Seminar of Advanced Studies on Transport Organization in the European Economic Integration: The new regulation in the transport sector: rules and instruments*, 42nd International Course, Trieste, 10-14 September.

Cariou P., (2001), Les enjeux de la consolidation des opérateurs de manutention portuaire sur l'analyse de la concurrence, *Location of Economic Activity, Regional Development and the Global Economy : European and East Asian Experience*, International Conference Faculty des Affaires Internationales, September 26-27.

Cariou P., (1999), Les déterminants des alliances de capacités entre opérateurs maritimes de lignes régulières: Minimisation du coût des services ou maximisation de la qualité des services, *Les Cahiers de l'Artemis 1999, Colloque LEN-CORRAIL & LAGON Université de Nantes*, Cahiers de l'Artemis, Septembre, pp 121-142.

Cariou P., Haralambides H.E., (1999), Capacity pools on the liner market: an allocation model for the East-West trades, *International Association of Maritime Economist Conference* Sept. 1999, Halifax, September, 25 p.

Cariou P., (1998), La concentration des trafics portuaires conteneurisés, *Actes du Colloque IUT: La logistique, maîtrise du temps et de l'espace*, Novembre, 16 p.

Technical Reports or major consulting reports

Cariou P. Le Bahy Y., (2004), Impact socio-économique des ports du Nord-Ouest Atlantique (Brest, Lorient, Nantes/Saint-Nazaire, La Rochelle, Bordeaux, Bayonne), *Etude commanditée par le PNOA*, Janvier, 50 p.

Bieganski R., Podevin G., Cariou P., (2002), Premiers éléments d'un plan d'actions pour un observatoire de l'emploi et de la formation au commerce, *CEREQ/Ministère de l'Équipement, des transports et du logement*, janvier, 16 p.

Cariou P., (2000), *L'organisation des terminaux portuaires en Europe du Nord et son applicabilité au terminal de Nantes/Saint-Nazaire*, Etude commanditée par le Port de

Nantes/Saint-Nazaire, l'Institut Supérieur d'Economie Maritime, l'Association des Communes de l'Estuaire de la Loire et le LEN-CORRAIL (Université de Nantes), 90 p.

Cariou P., (2000), Qui contrôle les grands manutentionnaires nord-européens? *Journal de la Marine Marchande*, n° 42189, vendredi 20 octobre, p 2156 & 2186.

Cariou P., Le Gouard Y., (2000), East/West Trades, Weekly Available Slots in 1995, 1997 and 1999, *ISEMAR/Alphaliner*, document de travail, 20 p.

Cariou P., (2000), Les stratégies des opérateurs de terminaux portuaires en Europe du Nord, *Journal de la Marine Marchande*, n° 42187, vendredi 20 octobre, pp. 1908-1912.

Cariou P, Terrassier N., (1999), Les ports européens à conteneurs, *Synthèse n°19, ISEMAR/LEN-CORRAIL, Journal de la Marine Marchande, Spécial Conteneur*, novembre, pp. 2413-2417.

Cariou P., (1999), *Impact portuaire de la gestion logistique des conteneurs par les armateurs*, ISEMAR/LEN-CORRAIL, 36 p.

Cariou P, Terrassier N., (1998), La concentration du trafic portuaire de conteneurs, *Journal de la Marine Marchande*, Janvier, 4 p.

Cariou P., (1998), La perception des services du port de Nantes/Saint-Nazaire. Enquête auprès des chargeurs de la filière du bois (Région du grand Ouest), ISEMAR/LEN-CORRAIL, 49 p.

Cariou P., (1998), Les enjeux sur le marché international de la construction navale civile, *Présentation Délégation de Développement de la Région Nazairienne*, DDRN, novembre, 9 p.

Cariou P, (1997), La politique maritime et littoral de la France, la construction navale, *Commissariat Général du Plan, Mission d'Evaluation des politiques publiques maritimes*, Office parlementaire d'Evaluation des politiques publiques (Assemblée Nationale), 156 p.

OTHER PERSONAL INFORMATION

Languages spoken, written and read: French (mother tongue), English