

## CRISTINA PRONELLO



### POLITECNICO DI TORINO

Full Professor at Politecnico di Torino

Interuniversity Department of Regional and Urban Studies and Planning (DIST) (since May 2019)

Castello del Valentino, Viale Mattioli 39 - 10125 TORINO

Department of Environment, Land and Infrastructure Engineering (DIATI) (till to April 2019)

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### SORBONNE UNIVERSITES – Université de Technologie de Compiègne

Full Professor, Chaire MIDT - Mobilité Intelligente et Dynamiques Territoriales since November 2016

Département Génie des systèmes urbains (GSU) & EA 7284 AVENUES

Centre Pierre Guillaumat 2, Rue du Dr Schweitzer, 60203 Compiègne, France

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### UNIVERSITÉ LUMIÈRE LYON2

Full Professor from 1st September 2010 to 31 August 2012.

LET-ISH (Laboratoire d'Economie des Transports- Institut des Sciences de l'Homme)

14, Avenue Berthelot. 69007 Lyon. France

Associate Professor at Politecnico di Torino (October 2001 – August 2010 and September 2012 – October 2016)

Interuniversity Department of Regional and Urban Studies and Planning (DIST)

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**President** of the Regional Transport Authority of the Piedmont Region (Italy) from September 2016 to August 2018.

Member of the **Board of Directors** of Ferrovie dello Stato Italiane from August 2018 till to June 2021.

### SCIENTIFIC AND PROFESSIONAL CAREER

Undergraduate+Master degree at Politecnico di Torino in 1988, with marks of 110/110 cum laude. She worked (1988-89) at Andersen Consulting (now Accenture) mainly on analysis and programming in Cobol and RPGII, on IBM AS/400 and IBM 3690, about information systems focused on management control.

From 1990 to 1993 she worked on transport planning (models) and freight and on the Regional Transport Plan of Lugano (Canton of Ticino, Switzerland).

Member of the Province of Torino's Engineers' Association since 1990.

From November 1991 to February 1995 she spent her PhD period at Politecnico di Torino, associated seat of the University of Trieste (administrative seat of the PhD Course).

In 1995 she had the final PhD examination in «Transport Engineering» at the Faculty of Engineering of the University La Sapienza in Roma, with a dissertation on “The development of an emission model of traffic pollutants in the urban context for the assessment of transport policies”.

From March 20th, 1996, researcher in the Department of Hydraulics, Transport and Civil Infrastructures in the II Faculty of Engineering at the Politecnico di Torino (in the Vercelli seat). She teaches the practical lessons of the course “Transport Economics and Technique” both at the I (Torino) and at the II Faculty of Engineering (Vercelli).

From 1997 to 1999 she was elected as researchers’ representative of the II Faculty of Engineering (Vercelli) of Politecnico di Torino.

From March 20th, 1999, assistant professor. She teaches the course “Transport Economics and Technique” at the II Faculty of Engineering (Vercelli).

From 1999 to 2001 she was part of the Academic Senate of Politecnico di Torino as researchers’ representative.

In June 2001 winner of the public competition for the position of Associate Professor in the H04X (Transport) sector; from October 1st, 2001, associate professor in charge at the I Faculty of Engineering of Politecnico di Torino, working in the Department of Hydraulics, Transport and Civil Infrastructures where she taught the courses of “Transport Economics and Technique” and of “Transport Planning”.

In May 2010 she participated and won a public competition for the role of full professor at the Université Lumière Lyon 2 (France). From September 2010 she is full professor at the Faculty of Economical Sciences and Management at the University Lumière Lyon2, working in the department LET-ISH (Laboratoire d'Economie des Transports- Institut des Sciences de l'Homme). 14, Avenue Berthelot. 69007 Lyon, France.

In September 2012 takes again service at Politecnico di Torino, having resigned from Université Lumière Lyon 2.

From November 2016 she is Full Professor – Chair ITS and territorial dynamics. She coordinates an inter and multi-disciplinary research group in synergy with the new Region Hauts de France (Picardie and Nord-Pas-de-Calais) to implement, at regional level, new transport policies and strategies as well as innovative solutions for transport systems.

From July 2018 she is full professor at Politecnico di Torino, Interuniversity Department of Regional and Urban Studies and Planning (DIST) where she coordinates her research group TRIS (Transport Research for Innovation and Sustainability).

#### **PRIZES AND AWARDS**

- 2020 award from TRA VISIONS 2020 (<https://www.travisions.eu/TRAVisions/>) organised by the European Commission. This competition aims to award a prize to transport innovators, who have carried out highly impactful research funded by the EU. She has been informed in February 2020 that she has been the winner for the cross-modal section of the competition and the prize giving will be in TRA, at the end of April 2020.
- 2010 award from the Vice-Presidency of UPE (Université Paris Est) to spend two months of research activity, as visiting professor, at the Department of Economics and Sociology of Transports (DEST) of the INRETS, now IFSTTAR (Institut français des sciences et technologies des transports, de l'aménagement et des réseaux). France.
- September 2002 – February 2003 visiting professor, coordinating the research activities at European level at LTE (Laboratoire Transports et Environnement) of INRETS, now IFSTTAR. France.
- Dec.1999 – March 2000 visiting researcher at LTE of INRETS, now IFSTTAR. France
- 1994 Marie Curie grant (four months) spent at LTE of INRETS, now IFSTTAR. France.

#### **TEACHING ACTIVITY**

She gives courses (Transport Economics and Technique, Transport Planning, Mobility, ICT for Transport) at Politecnico di Torino as well as at the Doctoral School, within the PhD course of Urban and Regional Development (Behavioural theories and Contract Management). Since 2017-2018 she gives course at École des Ponts ParisTech – Telecom ParisTech (France) in the Master Science on “Smart Mobility”.

From 2015 to 2018 she gave course at Ecole des Mines de Saint-Etienne (France) on “Transport and intermodality: behaviour and market segmentation; sharing economy; ICT and multimodality” at the Master Science course on Transport Economics. In October 2018 she gave the lecture at Turin School of Local Regulation (<http://turinschool.eu/>) on “Smart mobility, who should regulate and why?” within the course “Regulating Smart Cities II: Mobility and Digital Citizenship” (<http://turinschool.eu/eep/SC2018>) and since 2016 she gives lectures at the International Summer School on the Regulation of Local Public Services ON “Innovative models to fund local public transport: a case study on road-pricing in Lyon”. In June 2014 she taught at the Master course in Transport of Universidad Politecnica de Madrid (ES) (Sustainable transport. Behavioural theories and market segmentation). She taught for two years (2010-2012) at the Faculty of Economic Sciences and Management of Université Lumière Lyon2 (FR) several MS courses on transport (Transport Economics, Passengers’ transport services, Methods for travel Surveys, Transport and Int. Logistics, Travel behaviour).

### **DIRECTION OF TEACHING ORGANISATIONS**

In the academic year 2011/2012 she is director of the Master M2 (second year) Transport, Espace, Réseaux (TER) of School of Economic Sciences and Management. This MS, oriented to the PhD path, is jointly supplied and managed by the Université Lumière Lyon2 and by the ENTPE (École Nationale Travaux Publics de l’État).

In the academic year 2011/2012 she is responsible, for the scientific sector «Economics», of the International Programme «MINERVE Italie Économie» of the «Faculté de Sciences Economiques et Gestion» of the Université Lumière Lyon2.

### **DOCTORATE OF RESEARCH**

From 2001 she has been member of the teacher board of the PhD course in “Automation and Informatization of Transport”.

From January 2003 she was Chair of the PhD course in “Automation and Informatization of Transport” (ended in 2007).

Since 2005 she became member of the teacher board of the new PhD course in “Environment and Territory” where she coordinated the Transport section. This PhD course, ended in 2014, was replaced by the new PhD course in Urban and Regional Development where she is member of the teacher board.

Since 2002 she has been tutor of 16 PhD students (all dissertations are written in English). In addition, she is and has been tutor of three foreign PhD visiting students:

Finally, she is member of several PhD final exams at École des Ponts ParisTech, CentraleSupélec, Institut National de Sciences Appliquées de Lyon (INSA).

### **RESEARCH ACTIVITY**

Since 2000 she has coordinated 36 research projects at European and national level funded by a diversity of agencies there included the European Commission (FPVII and H2020), COST, Alpine Space, Life Environment, the French government (ADEME and PREDIT programme), the Italian Ministry of Education and Research (MIUR), the Public Administrations (region, province, cities, public transport companies and public transport authority).

The research group she coordinates is now made up by one associate professor and four PhD students. In the last five years the group has ranged from 6 to 10 persons and is constantly maintained thanks to the research projects.

Her research activity is focussed on two main topics: the environmental impacts of transport systems and the travel behaviour to define proper policies of sustainable mobility. In detail, the research themes on which she works are:

- Intelligent Transport Systems (ITS);
- Connected and Automated Transport (CAT);
- big data, travel surveys, mobility management, travel behaviour, pricing policies;
- transport planning and transport economics;
- public transport, regulation, alternative transport systems (shared transports, autonomous vehicles, etc.);
- environmental evaluation of transport systems: methodology, models, monitoring and measurement of noise and vibrations;
- social costs of transport;
- assessment methodologies: cost-benefit and multicriteria analysis.

She leads or is member of editorial boards of international journals: she was Chair of the Advisory Board of the Open Access Journal on «European Transport Research Review» (ETRR) and now she is member of its editorial board; she is/was also member of the editorial board of other international journals: Transport and Telecommunication Journal, Sustainable Cities and Society; Open Transportation Journal (OTJ); Transport; as well as she is referee for several scientific journals: Transportation Research Part A, Journal of Transport Geography, Transport Policy, Transport Modelling, Transport Reviews, COSUST, ETRR, Case studies on Transport Policy, Sustainability, Sensors, Sustainable Transportation, European Transport\Trasporti Europei, Energy Efficiency, Journal of Acoustics and Vibration (IJAV), Advances in Acoustics and Vibration, Environmental Engineering Science, Research Journal of Environmental Sciences, etc.

### **Research projects**

Since 2001 she coordinated 34 research projects at European and national level funded by a diversity of agencies there included the European Commission (FPVII), Alpin Space, Life Environment, COST, the French government (ADEME and PREDIT programme), the Italian Ministry of Education and Research, the Public Administrations (region, province, cities, public transport company and public transport authority). In the last years she got about more than two million, conceived together with Grand Lyon the Opticities project that has got €13 million and she is the coordinator of the “just funded” H2020 project WE-TRANSFORM” (WORKFORCE EUROPE - TRANSFORMATION AGENDA FOR TRANSPORT AUTOMATION) (Call: H2020-MG-2018-2020 Mobility for Growth; Topic: MG-2-14-2020; Type of action: CSA). On the national level, in 2012 the public transport company and the city of Torino (Italy) gave to PI the job of reorganising the public transport network of the metropolitan area (1.7 ML inhabitants). This work has been highly cited by the national press for the innovative scientific approach and the new conception, being able to comply with the high cut of budget, but improving the current service. To date her research has been documented in the national media (newspaper and radio), including La Repubblica, La Stampa, Il Sole 24 Ore, Radio 24, while the national television (Rai3) has invited her to discuss about key transport topics in the Program “Ambiente Italia” and national television (Rai1) in the Program “Petrolio.

Within the European project DETRA, funded by the VII Framework Programme, she worked to create a new generation of EU young researchers in the transport sector, setting up a plan to increase their skills, to improve their first steps in working tasks, and to favour their trans-national mobility within a multidisciplinary context. Furthermore, she designed a European Doctorate in Transport that has been presented to the European Commission within the ETRA framework (European Transport Research Alliance). ETRA is the main outcome of the DETRA project where PI coordinated WP1 on the above issues.

Her research group is composed by three PhD students and five grant holders. Such a group has been established in a stable way in the last five years and is maintained thanks to the research projects.

### **EVALUATION OF PROJECTS AND OF RESEARCH ACTIVITY**

- From 2011 she is member of the expert database for the evaluation of research projects for the Fonds québécois de la recherche sur la société et la culture (FQRSC).
- From 2011 she is member of the expert database for the evaluation of research projects for the Agence Nationale de la Recherche de France (ANR).
- From 2009 she is member of the evaluation panel of AERES (Agence d'Évaluation de la Recherche et de l'Enseignement Supérieur), now HCERES (Haut Conseil de l'évaluation de la recherche et de l'enseignement supérieur). Within this context, she has evaluated, in 2009, the research activity of INRETS (Institut National de Recherche sur les Transports et leur Sécurité – France), in 2011, of the Université de Technologie de Belfort-Montbéliard, in 2015 the ENAC (Ecole National Aviation Civil) and in 2018 the ENSAM (Ecole National Arts et Metiers).
- From 2009 she is member of the expert database for the evaluation of research projects of ESF (European Science Foundation).
- From 2008 she is member of the expert database for the evaluation of research projects of ERA-NETs, in the VII FP, for the cooperation of third countries.
- From 2007 she is member of the expert database for the evaluation of research projects for the European Commission within the VII FP.
- From 2001 to 2007 she has been member of the expert database for the evaluation of research projects of INTAS (International Association for the promotion of co-operation with scientists from the New Independent States of the former Soviet Union), now replaced by ERA-NET.
- From 2001 she is member of the expert database for the evaluation of research projects of the Italian Ministry for University and Research (MIUR).

#### **DIRECTION OF RESEARCH BODIES**

- In 2006 she was appointed by the Italian Ministry of University and Research (MIUR) as National delegate of the Domain Committee “Transport and Urban Development (TUD)” within the COST Programme. From May 2006, she has been elected, by the members of the Domain Committee, as Chair of the TUD ([http://www.cost.eu/domains\\_actions/tud?dc\\_members](http://www.cost.eu/domains_actions/tud?dc_members)). In June 2010 she has been again elected Chair for the second mandate, lasting four years (2010-2014).  
As a Chair she is member of the evaluation panel of the pre-proposals of the “Trans-Domain” Committee, that houses the interdisciplinary projects. Within the TUD Domain Committee, she has coordinated the evaluation, the funding and the monitoring of 52 projects involving about 4,000 researchers and € 21 million. Furthermore, she coordinates the monitoring of the funded projects and the evaluation of the final outcomes. Finally, she coordinates all the strategic activities of the TUD Domain Committee.
- From 2001 she represents the Politecnico di Torino within ECTRI (European Conference of Transport Research Institutes), constituted as association with juridical status in 2003 and, from 2005, she is member of the Board and treasurer of the association that includes the most prestigious European research institutes on transport, born to cooperate within the European Research Arena. Within ECTRI she covers other several roles:
  - from 2004 she coordinates the working group (WG) “Training and mobility of researchers” for the training and growth of the young researchers. Within the WG, the Young Researcher Seminar (YRS) is organized each two years by ECTRI, FEHRL and FERSI; she is member of the YRS Steering Committee;
  - she organized the YRS in Torino in 2009, where, for the first time US young researchers participated, selected by TRB. Within the YRS she has been tutor of several young researchers in the past editions;
  - within the European project DETRA, funded by the VII Framework Programme, she has worked on the creation of a new generation of young researchers in the transport sector (in the EU and associated countries), setting up a plan to increase their skills, to improve their first steps in working tasks, and to favour their trans-national mobility within a multidisciplinary context. Furthermore, she has designed a European Doctorate in Transport that has been presented to the European

Commission within the ETRA framework (European Transport Research Alliance). ETRA is the main outcome of the DETRA project;

- she coordinates the relationships between ECTRI and TRB (US Transportation Research Board) for the COST projects and the Young Research Seminar. She is member of the WG10 between ECTRI and TRB, focussed to the to the definition of the future strategic research issues in Transport sector;
- finally, she is member of the Thematic Working Groups (TWGs) «Mobility» and «Transport Economy and Policy».

#### **COORDINATION AND MANAGEMENT OF THE RESEARCH. ROLES IN SCIENTIFIC COMMITTEES**

- Since 2015, she is member of the Committee «Technology Transfer (ABG30)» of the US Transportation Research Board (TRB), now become TRB Research Innovation Implementation Committee (AJE35).
- In 2014 she has been nominated as Italian representative as member of the Observatoire des politiques et des stratégies de transport en Europe (OPSTE), working within the Ministère de l'écologie, du développement durable et de l'énergie and, since November 2019, within TDIE, Think Tank Transport-Développement-Intermodalité-Environnement.
- In 2013 she has been appointed as expert in the field as member of the Advisory Board of the European (FPVII) project TRANSFORUM that has established a platform to facilitate the reaching of four key objectives of the EU White Paper Transport 2050: - Clean Urban Transport and CO2-free city logistics (goal 1); Shift of road freight to rail and waterborne transport (goal 3); Complete and maintain the European high-speed rail network (goal 4); European multimodal information, management and payment system (goal 8).
- In 2012 she has been appointed by the Italian Ministry of University and Research (MIUR) as national expert in the Transport Committee of VII Framework Programme. Within such a context she is the reference person for the MIUR and APRE (National Agency for the Research) on the Transport Issues. In June 2012, she has been invited by APRE to present the role of PPPs in the transport sector and within the Green Car Initiative for a National workshop.
- In 2012, the Governing Board of the Joint Programming Initiative (JPI) Urban Europe (<http://www.jpi-urbaneurope.eu/Organisation/Organisation>) has nominated her member of the Scientific Advisory Board (SAB) ([http://www.jpi-urbaneurope.eu/About/Progress/Scientific\\_Advisory\\_Board\\_SAB](http://www.jpi-urbaneurope.eu/About/Progress/Scientific_Advisory_Board_SAB) ) of such trans-national R&D initiative, which aims to bring research on urban issues in Europe to a new level of funding, coordination, and commitment ([www.jpi-urbaneurope.eu](http://www.jpi-urbaneurope.eu)).
- From 2012 she is representative of Politecnico di Torino within the working group "Protocol of the Agreement" and of the Collaboration Agreement amongst Piemonte Region, Politecnico di Torino, Compagnia di San Paolo and Confindustria Piemonte. Within such a context, her role is to support the search of innovative solutions for the development of the territory, coherently with the regional strategies.
- From 2010 she is member of the “Planning for Sustainable Land Use and Transport Committee” within the European Transport Conference (ETC).
- From 2010 she is member of the Committee «Women's Issues in Transportation (ABE70)» of the US Transportation Research Board (TRB).
- From 2009 she is member of the Committee «International Activities (A0010)» of the US Transportation Research Board (TRB).
- From 2008 she is “friend” of the Committee «Travel Survey Methods (ABJ40)» of the US Transportation Research Board (TRB).
- In 2010 she organized and coordinated the workshop «The futures of the city», within the strategic activities of COST Programme. This event allowed to write the strategic research agenda on the potential future scenarios of the city (Amsterdam, 24-25 November 2010).
- In 2008 she was invited by the COST Domain Committee «FPS» (Forests, Products and their Services) to lead the workshop on “Sustainable Mobility” within the strategic workshop on «Global Change and Sustainable Development in Mountain Regions».

- In 2008 she was invited by the «Bureau d'Information et de Prévisions Economiques (BIPE - France)» to participate, as expert of mobility surveys and data analysis, to the workshop on the forecasting of car use till to 2015, in the main European countries.
- From 2007 to 2011 she has been member of the scientific committee of Mo.Ve, International no-profit organization founded to promote and disseminate the concept of sustainable mobility, through the research, projects and International events.
- From 2008 till today she is the scientific coordinator of the training pole on Transport within the training poles IFTS of the Piemonte Region.
- In 2007-2008 she is representative of the Politecnico di Torino within the technical table on sustainable mobility of the university students of the Piemonte Region.
- From 1999 she is member of the « International Institute of Acoustics and Vibration » (IIAV), where she referees books and scientific articles submitted to the ISI journal «Journal of Acoustics and Vibration (IJAV)».
- From 1995 she is member of the Italian Society of Transport Teachers (SIDT), and she was member of the Governing Board for two mandates (2003-2008)

#### **ORGANISATION OF INTERNATIONAL SCIENTIFIC CONFERENCES**

- Organiser of the International conference *The cities of tomorrow: according to the challenges of Horizon 2020*, Torino (Italy), 17-19 Sept 2014 (<http://www.cost.eu/events/cities-of-tomorrow>).
- Member of the Steering Committee of *WIIT 2014: Women Issues in Transportation*. 5th International Conference on Women's Issues in Transportation – Bridging the Gap, 14-16 April 2014. Paris – Marne-la-Vallée (France).
- Co-organiser of the conference *Water in the Urban Environment*, Brussels (Belgium), 16-18 April 2013.
- Co-organiser of the conference *Shaping Cities for the New Challenges*, Vienna (Austria), 14-15 March 2013.
- Organiser of the conference *The futures of the city*, Amsterdam (The Netherlands), 24-25 Nov 2010.
- Organiser of the *Young Researchers Seminar* of ECTRI-FEHRL-FERSI, Torino (Italy) 3-5 June 2009.

#### **OTHER ROLES**

- In 2011 she has been appointed President of the Evaluation Committee for the call for tenders of the “Assignment of the Public Transport services in the city of Torino”.
- In 2010 she has been member of the Evaluation Committee for the call for tenders of the “Assignment of the Local Public Transport services in the Province of Torino”.
- In 2005-2006 she has been in the team coordinated by Pricewaterhouse&Coopers and consulting the Ministry of Infrastructures and Transport to carry out: a model to estimate the transport social costs. She worked on air pollution and noise matter to define a handbook and guidelines for Italy that has been adopted by the Ministry.
- She has been appointed as acoustical expert and included in the board of expert technical acousticians in Italy - Piemonte Region since 2006.
- In 1999 she has been member of the Evaluation Committee for the call for tenders of the “Monitoring System of the extra-urban public transport” for the Province of Alessandria.

#### **PUBLICATIONS of last five years**

The complete list (till to 2021) is on:

[https://iris.polito.it/cris/rp/rp05748?sort\\_byall=2&orderall=DESC&open=all#.Xdqp-W5FzRM](https://iris.polito.it/cris/rp/rp05748?sort_byall=2&orderall=DESC&open=all#.Xdqp-W5FzRM)

1. Polydoropoulou, A., Tsouros, I., Thomopoulos, N., Pronello, C., Elvarsson, A., Sigbórsson, H., Dadashzadeh, N., Stojmenova, K., Sodnik, J., Neophytou, S., Esztergár-Kiss, D., Hamadneh, J., Parkhurst, G., Etzioni, S., Shifan, Y., Di Ciommo, F., Who Is Willing to Share Their AV? Insights about Gender. Differences among Seven Countries. Sustainability, Volume 13, Issue 9, 1 May 2021.

2. Pronello, C., Kumawat, P., (2021) Smartphone Applications Developed to Collect Mobility Data: A Review and SWOT Analysis. DOI:10.1007/978-3-030-55187-2\_35. pp.449-467. In *Advances in Intelligent Systems and Computing* - ISBN:978-3-030-55186-5. ISSN:2194-5357 vol. 1251.
3. Etzioni, S., Hamadneh, J., Elvarsson, A.B., Esztergár-Kiss, D., Djukanovic, M., Neophytou, S.N., Sodnik, J., Polydoropoulou, A., Tsouros, I., Pronello, C., Thomopoulos, N., Shiftan, Y. (2020) Modeling cross-national differences in automated vehicle acceptance., *Sustainability*, 12(22), 9765. ISSN 2071-1050.
4. Kyriakidis, M.; Sodnik, J.; Stojmenova, K.; Elvarsson, A. B.; Pronello, C.; Thomopoulos, N. (2020) The role of human operators in safety perception of av deployment—insights from a large european survey. In: *SUSTAINABILITY*, vol. 12, pp. 1-24. ISSN 2071-1050.
5. Rappazzo, V., Pronello, C., (2020) How much pricing measures can help achieve sustainable goals: a market segmentation based on road pricing acceptability. *Proceedings of 8th Transport Research Arena TRA 2020*, April 27-30, 2020, Helsinki, Finland.
6. Tay, G., Pronello, C., (2020) People perceptions and public acceptance of autonomous vehicles: A literature review. *Proceedings of 8th Transport Research Arena TRA 2020*, April 27-30, 2020, Helsinki, Finland.
7. Rappazzo, V., Pronello, C. (2020) Travellers' Attitude Towards Road Pricing: a Comparison of Qualitative and Quantitative Segmentation Techniques. In: *Transportation Research Board 99th Annual meeting* Transportation Research Board, Washington DC 12-16 January 2020, pp 16.
8. Pronello, C., Gaborieau, J.B. (2019) Validation of a unidimensional and probabilistic measurement scale for proenvironmental behaviour by travelers, *Transportation*, DOI 10.1007/s11116-019-10068-w. 39 pp.
9. Pronello, C., Gaborieau, J.B., Rappazzo, V., Operti, V. (2019) Case study on effects of the mandatory validation on bus commercial speed, *EUROPEAN JOURNAL OF TRANSPORT AND INFRASTRUCTURE RESEARCH*, 19:1, pp. 43-59.
10. Pronello, C., Gaborieau, J.B., Rappazzo, V., Operti, V. (2019) Case study on effects of the mandatory validation on bus commercial speed, In: *Transportation Research Board 98th Annual meeting* Transportation Research Board, Washington DC 13-17 January 2019, pp 16.
11. Veiga Simão, J., Cellina, F., Rudel, R., Bettini, A., Vettorato, D., Zubaryeva, A., Sossan, F., Franzl, G., Pronello, C., Gantioler, S., (2019) How can regional authorities effectively support the transition to Electric and Connected Autonomous Vehicles? Introducing an explorative field study. *3rd International Conference SSPCR. Smart and Sustainable Planning for Cities and Regions 2019*. 09-13 December 2019, Bozen, Italy
12. Pronello, C. (2019) I servizi di mobilità condivisa (shared mobility services) e l'evoluzione tecnologica. In: *POLITICHE PIEMONTE*. ISSN 2279-5030 ; 56(2019), pp. 24-30.
13. Pronello, C., (2019) Transports soutenables et mobilités urbaines : les défis du transport en commun (2018) in: *Ecocity, Knowledge city, Smart city: vers une ville écosoutenable*. Ed. Septentrion, Lille, France, pp. 14.
14. Gonzalez-Feliu, J. Pronello, C., Salanova-Grau, J.M. (2018) Multi-stakeholder collaboration in urban transport: state-of-the-art, contribution of the present issue and research opportunities. *TRANSPORT* 33(4) 2018, pp. 1079-1094.
15. Gonzalez-Feliu, J. Pronello, C., Salanova-Grau, J.M., Paulius, S. (2018) Collaboration and urban transport: a short review of the special issue, *TRANSPORT*, 33(4), pp. 861-866.
16. Pronello, C., Longhi, D., Gaborieau, J.B. (2018) Smart Card Data Mining to Analyze Mobility Patterns in Suburban Areas, *Sustainability* 2018, 10(10), 3489; <https://doi.org/10.3390/su10103489>.
17. Pronello, C., Gaborieau, J.B. (2018) Engaging in pro-environment travel behaviour research from a psycho-social perspective: a review of behavioural variables and theories, *Sustainability* 2018, 10, 2412; doi:10.3390/su10072412.
18. Sechilariu, M., Baert, J., Locment, F., Martell-Flores, H., Molines, N., Richard, G., Henriot, C., Pronello, C. (2018) Smart Microgrid and Urban Planning for Better Electromobility, *IEEE Vehicle Power and Propulsion*



Conference (IEEE-VPPC 2017), pp. 1-6, Belfort, France, 11-14 December 2017, DOI: 10.1109/VPPC.2017.8331030.

19. Pronello, C., Longhi, D. (2018) Using the validation data of smart cards to better design public transport networks, Proceedings of 7th Transport Research Arena TRA 2018, April 16-19, 2018, Vienna, Austria.
20. Pronello, C., Rappazzo, V., Gaborieau, J.B., Martino, V., Forchino, A. (2018) Effects of the mandatory validation on bus commercial speed: case study in Torino (Italy), Proceedings of 7th Transport Research Arena TRA 2018, April 16-19, 2018, Vienna, Austria.
21. Pronello, C., Gaborieau, J.B. (2018) My-Moby: a customer oriented tool to support integrated transport and resilient communities, Poster presented at the 7th Transport Research Arena TRA 2018, April 16-19, 2018, Vienna, Austria.
22. Pronello, C., Longhi, D. (2017) analysis of mobility patterns and transport supply through the validation data of smart cards. The 22nd HKSTS International Conference, 9-11 December 2017, Hong Kong.
23. Pronello, C., Duboz, A., Rappazzo, V. (2017) Towards Smarter Urban Mobility: Willingness to Pay for an Advanced Traveller Information System in Lyon. Sustainability, 9(10), 1690, 21 pp; doi:10.3390/su9101690.
24. Pronello, C., Camusso, C. (2017) Users' needs and business models for a sustainable mobility information network in the Alpine Space. Transportation Research Procedia, vol. 25, pp. 3594-3609. ISSN 2352-1465. 10.1016/j.trpro.2017.05.323.
25. Pronello, C., Ramalho Veiga Simao, J.P., Rappazzo, V. (2017) The effects of the multimodal real time information systems on the travel behaviour. Transportation Research Procedia, vol. 25, pp. 2681-2693. ISSN 2352-1465. 10.1016/j.trpro.2017.05.172.
26. Pronello, C., Camusso, C., Rappazzo, V. (2017) Last mile freight distribution and transport operators' needs: which targets and challenges? Transportation Research Procedia, vol. 25, pp. 888-899. ISSN 2352-1465. 10.1016/j.trpro.2017.05.464.
27. Pronello C., Veiga-Simão J., Rappazzo V., (2016) Can The Multimodal Real Time Information Systems Induce a More Sustainable Mobility ? Transportation Research Record: Journal of the Transportation Research Board, No. 2566, pp. 64-70. ISSN: 0361-1981. doi: 10.3141/2566-07.
28. Camusso C., Pronello C. (2016) A study of relationships between traffic noise and annoyance for different urban site typologies. Transportation Research Part D: Transport and Environment. Vol. 44, pp. 122–133. doi:10.1016/j.trd.2016.02.007
29. Pronello, C.; Ramalho Veiga Simao, J.; Rappazzo, V. (2016) Can the multimodal real time information systems induce a more sustainable mobility ?, In: Transportation Research Board 95th Annual meeting Transportation Research Board Transportation Research Board 95th Annual meeting, Washington DC 10-14 January 2016, pp 16.
30. Pronello; C. Ramalho Veiga Simao; J., Rappazzo; V., Camusso; C., Gaborieau, J.B. (2016) Multimodal real time information systems: users' requirements and effects on travel behaviour, In: PMBC: TRA Marketplace Poster Session Transport Research Arena TRA2016, Warsaw 18-21 April 2016.
31. Pronello, C; Ramalho Veiga Simao; J., Operti, V., Camusso, V.; Rappazzo, V. (2016) The design of a Decision Support Tool for transport planning and management: the Torino Metropolitan Area case study, In: PTBC: TRA Marketplace Poster Session Transport Research Arena TRA2016, Warsaw 18-21 April 2016.

#### **INVITED PRESENTATIONS TO INTERNATIONALLY ESTABLISHED CONFERENCES AND/OR INTERNATIONAL ADVANCED SCHOOLS (last three years)**

1. Pronello, C. (2021) Future labor market for the sustainable and livable cities (panel session). URBANISM NEXT EUROPE 2021. European Urbanism Next Conference, Rotterdam, Netherlands 9-11 June 2021 <https://www.urbanismnext.org/events/europe-2021/>.
2. Pronello, C. (2021) Travel behaviour and future mobility systems. International Conference on SUSTAINABLE TRANSPORT & SUSTAINABLE CITIES, Compiègne, 18-19 February 2021.
3. Pronello, C. (2020) Travel Behaviour. Aalto University Summer School on Transportation 2020. Towards Integrated, Customized, and Automated Mobility Hubs? 24-08-2020 – 04-09-2020 Helsinki, Finland.

4. Pronello, C. (2020) VTT and future mobility systems. H 2020 MoTiV Final Event. University of Žilina, Slovakia. 18 June 2020.
5. Pronello, C. (2019) Intelligent Transport Systems to support road and traffic management. International Seminar on Roads, Bridges & Tunnels. Challenges and Innovation. 6-9 November 2019. Aristotle University of Thessaloniki, School of Civil Engineering, Thessaloniki, Greece.
6. Pronello, C. (2019) A socio-technological approach to make mobility smart and sustainable. 9th International Congress on Transportation Research. October 24th -25th 2019, Athens, Greece.
7. Pronello, C. (2019) Table ronde de la mission d'information du Sénat sur la gratuité des transports collectifs. 25 juin, Palais du Senat, Paris, France.
8. Pronello, C. (2019) Des grandes agglomérations vers les territoires moins denses. La naissance d'un MaaS à la française ? Pitch final « QU'EST-CE QUE LE MAAS ET OU PEUT-IL FONCTIONNER ? » 1er juillet 2019, Université de Technologie de Compiègne, France.
9. Pronello, C. (2019) Transports, Innovation et durabilité, Chaire MIDT. In: Mobilité durable pour tous : quel projet de territoire ? Organisé par Le Monde, 28 mars 2019 Rennes, France.
10. Pronello, C. (2019) Changes in mobility demand, in the session "Addressing behavioural changes in energy and transport. Expert meeting on: "Addressing the unforeseen impact of structural changes on European air quality", Warsaw, 11th and 12th February 2019 (EC event organized by JRC).
11. Pronello, C. (2019) Value of Travel Survey Data with respect to Gendered Differences in Travel. Bridge the Gap - Eliminating Gender Bias in Transportation Research. Transportation Research Board, January 13 2019. Washington DC, USA.
12. Pronello, C. (2018) Perspective et prospectives. Grand témoin à La Mobilité dans les villes Européennes. Quelle place pour les services partagés dans l'offre urbaine de mobilité ? Strasbourg, 22-30 November 2018.
13. Pronello, C. (2018) ITS for traffic management on motorways. International Seminar on Roads, Bridges & Tunnels. Challenges and Innovation. 9 -15 November 2018. Aristotle University of Thessaloniki, School of Civil Engineering. Thessaloniki, Greece.
14. Pronello, C. (2018) "A Green, Inclusive, Safer and Smart Transport System: Myth or Reality?" for the STU foresight lecture, Joint Research Centre of European Commission at Ispra (EC, Italy site):
15. Pronello, C. (2018) Shared mobility services and the technology evolution. BEYOND OWNERSHIP: SHARING MOBILITY, POOLING MOBILITY & FLEET MANAGEMENT. Sharing gets you further. Future Mobility Week. 1-5 October 2018. Torino. Italy.
16. Pronello, C. (2018) Supporting Smart E-Mobility in Cities, Top Conference: DECARBONISATION OF PUBLIC TRANSPORT - Part 1, EMTA 20th Anniversary Meeting, Paris, France, 7-8 June 2018.
17. Pronello, C. (2018) 6th EU-US Transportation Research Symposium. Socio-economic Impacts of Automated and Connected Vehicles, Experts' workshop, Brussels, 26-27 June 2018.
18. Pronello, C. (2018) Moderation of Panel Discussion and Declaration of Intent on the promotion of decarbonisation in urban transport (<http://www.emta.com/spip.php?article1223&lang=en>), Top Conference: DECARBONISATION OF PUBLIC TRANSPORT - Part 2, EMTA 20th Anniversary Meeting, Paris, France, 7-8 June 2018.
19. Pronello, C. (2018) EXPERT WORKSHOP: Autonomous and shared transport. 30 Great minds driving towards 2030, Aalst, Belgium, March 20th 2018.
20. Pronello, C. (2018) Smart cities – Electric Mobility and Connectivity” Futur Tour India, 3-5 February 2018, Chennai, India.
21. Pronello, C. (2017) ITS for traffic management on motorways, INTERNATIONAL SEMINAR ON ROADS, BRIDGES & TUNNELS, Thessaloniki, Greece, 3-9 November 2017.

22. Pronello, C. (2017) Strumenti informativi a supporto dell'attività di gestione del TPL: stato dell'arte e prospettive di sviluppo, Smart Mobility World 2017, NATIONAL FORUM – I edition, Evoluzione dei sistemi di bigliettazione elettronica regionali: interoperabilità e governance dei servizi di TPL, Smart Mobility World 2017, Torino, 10-11 October 2017.
23. Pronello, C. (2017) Dal car sharing al Maas: come cambia il concetto di mobilità. Soluzione o utopia?, Sharing and Urban Mobility, Smart Mobility World 2017, Torino, 10-11 October 2017.
24. Pronello C., (2017) High-level conversation. Scoping urban mobility policy challenges and opportunities for innovation in Europe, organized by European Commission. Opportunities for a Knowledge and Innovation Community (KIC) in Urban Mobility, 29 March 2017 at Les Ateliers des Tanneurs, Brussels.
25. Pronello C., (2017) New technologies, Aging Infrastructure, Aging Public: Meeting the Challenges. Session 689: Connected Cities and Technology Integration: The Challenges of Implementing Connected Vehicle Applications into Aging Urban Infrastructure. Transportation Research Board 96th Annual meeting, Washington DC – USA. 10 January 2017.
26. Pronello C., (2016) Session: “Smart cities for smart territories”, organised by the European Regional Science Association (ERSA). Open Days of European Commission Bruxelles 10-13 October 2016.
27. Pronello C., (2016) Smart Mobility 2016 - #Hackthetraffic! French Tech Paris Festival. Session: Can Multimodal information change users' behaviours? Tuesday Jun 14 2016 2:30p.m. Issy-les-Moulineaux (Paris, France) ISEP, the School for Engineers for Digital Technologies.
28. Pronello, C. (2016) The Informal Learning Cities. Turin. The Future of the European Capitals. Université Sorbonne. Paris 6-8 June 2016.
29. Pronello C. (2016) Opticities: A European public-private mobility initiative to enable real-time multi-modal choices. Technological Transfer Committee. 95th Annual Transportation Research Board Annual Meeting