



# TRA2014 Transport Research Arena 2014

Transport Solutions: from Research to Deployment - Innovate Mobility, Mobilise Innovation!

14-17 Apr 2014 Paris La Défense (France)

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## Programme

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## Programme

### TRA 2014 - Tentative Programme

Last update: March 2<sup>th</sup>, 2014

[Programme at-a-glance](#)     
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	9:00-10:30	11:00-12:30	14:00-15:30	16:00-17:30	17:30-19:00	20:00
<b>Sunday 13</b>					Registration	
<b>Day 1: Monday 14</b>	Scientific & Technical Sessions 1-9 WIIT: technical tour	Opening Session WIIT	Scientific & Technical Sessions 10-18 WIIT	Plenary Session 1 Women Issues in Transportation (WIIT)	Strategic Sessions 1-4	WIIT dinner
<b>Day 2: Tuesday 15</b>	Scientific & Technical Sessions 19-27 WIIT/AUN/13 <sup>e</sup> SFSET OECD-FIT/ITTECOP/ENT III	Plenary Session 2 WIIT/AUN/13 <sup>e</sup> SFSET OECD-FIT/ITTECOP/ENT III	Scientific & Technical Sessions 28-36 WIIT/AUN/13 <sup>e</sup> SFSET Lunch OECD-FIT/ITTECOP/ENT III	Strategic Sessions 5-8 WIIT/AUN/13 <sup>e</sup> SFSET Coffee Break OECD-FIT/ITTECOP/ENT III	Invited Sessions 1-15	Gala Dinner
<b>Day 3: Wednesday 16</b>	Scientific & Technical Sessions 37-46 WIIT/AUN/13 <sup>e</sup> SFSET OPTIMA/PREDIM/FSR	Plenary Session 3 WIIT/AUN/13 <sup>e</sup> SFSET OPTIMA/PREDIM/FSR	Scientific & Technical Sessions 47-53 WIIT/AUN/13 <sup>e</sup> SFSET OPTIMA/PREDIM/FSR PIANC/ERTICO	Strategic Sessions 9-12 WIIT/AUN/13 <sup>e</sup> SFSET OPTIMA/PREDIM/FSR PIANC/ERTICO	Strat. Sess. 13 Invited Sessions 16-30	
<b>Day 4: Thursday 17</b>	Scientific & Technical Sessions 54-63 ALICE	Closure Session ALICE	Invited Sessions 31-45 ALICE (GA) / Metrofreight			

#### Type of sessions

- Plenary Sessions (PS)
- Strategic Sessions (SS)
- Scientific and Technical Sessions STS
- Invited Sessions (IS)
- Joint Conferences (WIIT, AUN = Airports in Urban Networks, 13<sup>e</sup>SFSET = 13<sup>e</sup> Séminaire francophone de socio-économie des transports)
- Associated Events:

OECD-FIT: Distracted driving, ITTECOP: Infrastructures of land transports, ecosystems and landscapes, ENT III: Annual Conference Era-Net Transport, OPTIMA (IDRRIM+ATEC-ITS France + CF-AIPCR): Optimisation of infrastructure and mobility in agglomeration, PREDIM: ITS for sustainable and safe mobility, FSR: Road safety - between scientific research and social representations, PIANC workshop, ERTICO: ITS World 2015, ALICE: European logistic platform

Detailed Programme

List of the Scientific and Technical Sessions (STS) by topics - [?](#) - Full STS programme [?](#)

Full Invited Session programme [?](#) - Outreach Marketplace (posters only) [?](#)

Day 1: Monday 14 April					
9:00 - 10:30	<b>Scientific and Technical Sessions 1-9 - <a href="#">?</a></b> <b>1 - Electromobility</b> <b>4 - Auscultation and monitoring asset conditions</b> <b>7 - Traffic management and routing</b> <b>2 - Shipping and the environment</b> <b>5 - Materials for vehicles and vessels</b> <b>8 - Urban mobility and eco-mobility</b> <b>3 - ICT and telecommunication</b> <b>6 - High speed train</b> <b>9 - Security in transportation</b>			Scientific posters (with papers) - Day 1 Outreach marketplace (posters only) - Day 1 <a href="#">?</a>	
Coffee break					
11:00 - 12:45	<b>Opening Session: "From Research to Deployment: a Driver for Job Creation in Europe"</b> <b>Official opening:</b> Genevière Fioraso, <i>French Minister for Higher Education and Research (tbc)</i> <b>Welcome:</b> Jean-Bernard Kovarik, <i>Chairman of TRA 2014 Management Committee</i> <b>Stakeholders:</b> Simon Grima, <i>Chairman of CEDR</i> , Wolfgang Steiger, <i>Chairman of ERTRAC</i> , Joseph Doppelbauer, <i>Chairman of ERRAC</i> , Willem Laros, <i>Chairman of Waterborne TP</i> <b>Keynote addresses</b> Mrs Maire Geoghegan-Quinn, <i>Commissioner for Research and Innovation, European Commission</i> , Mr José Viegas, <i>International Transport Forum (OECD/ITF) Secretary General</i> <b>Young Researchers Awards - TRA VISIONS</b> <b>TRA2014 exhibition official opening</b>				
Lunch					
14:00 - 15:30	<b>Scientific and Technical Sessions 10-18 - <a href="#">?</a></b> <b>10 - Electrification and hybridisation</b> <b>13 - ADAS and automatic driving</b> <b>16 - Fibre reinforced and materials for infrastructure</b> <b>11 - Climate change and transports</b> <b>14 - Geotechnics</b> <b>17 - Traffic and congestion monitoring</b> <b>12 - Heavy commercial, innovative vehicles</b> <b>15 - Asphalt materials</b> <b>18 - Pedestrian and powered two wheelers</b>				
Coffee break					
16:00 - 17:30	<b>Plenary Session 1: "Life style and Mobility patterns of the Future" - <a href="#">?</a></b> Fotis Karamitsos, <i>Acting Deputy Director general DG Mobility and Transport</i> , Pierre Mongin, <i>CEO of RATP</i> , Roger Kesteloot, <i>CEO of De Lijn (Belgium)</i> , Ann Frye, <i>International specialist in mobility of elderly and disabled passengers</i> , Dr Peter Verlic, <i>Mayor of Grosuplje (Slovenia)</i> , Guy Maugis, <i>CEO of Bosch France</i>				
17:30 - 19:00	<b>SS 1: "Electrification of transport - a sustainable approach"</b> Mary Cross (OECD/ITF), Rémi Bastien (Renault), Christian Schmidt (BMW), Guillaume Devauchelle (Valeo), Helmut List (AVL), Stefan Baguette (SOLARIS)	<b>SS 2: "Competence building for smart growth"</b> Pierre Schmitz (Région de Bruxelles, Belgique), Marc Charlet (MOVEO cluster, France), Glenda Napier (The Danish Cluster Academy), Bruno Grandjean (Car2road, Véhicule du futur), Ion Marculescu (ETREC, Romania), Yvon Peurou (Gruau Industry/ID4Car)	<b>SS 3: "The wireless revolution in support of a user-oriented integrated transport"</b> Claire Depré (EC/DG M&T), Natalia de Estevan (Transport for London, UK), Carlo van de Weijer (TOM-TOM, NL), Eva van den Bossche (Flemish Agency for Roads and Traffic, BE), Patrice Reilhac (Valeo, FR)		<b>SS 4: "Urban innovation and change: the dynamic nexus of transport, environment and health"</b> José Viegas (ITF/OECD), Khatuna Gogaladze (Minister of Environment and Natural Resources Protection, Georgia), Eva Molnar (UNECE), Srđan Matic (WHO), Fred London (John Thompson and Partners, UK) (tbc), Mayor or representative of a large city (tbc)
Day 2: Tuesday 15 April					
9:00 - 10:30	<b>Scientific and Technical Sessions 19-27 - <a href="#">?</a></b> <b>19 - Reducing pollutant emissions</b> <b>22 - Travel information</b> <b>25 - Public transport modes</b> <b>20 - Inland waterways and logistics</b> <b>23 - Construction and rehabilitation of railways</b> <b>26 - Data and statistics for accidents</b> <b>21 - Urban logistics (1)</b> <b>24 - Greening and recycling for materials and pavement</b> <b>27 - Land use and planning</b>				Scientific posters (with papers) - Day 2 Outreach marketplace (posters only) - Day 2 <a href="#">?</a>
Coffee break					
11:00 - 12:30	<b>Plenary Session 2: "How Efficient is the European Freight Transport System?" - <a href="#">?</a></b> Peter Sweatman, <i>Director UMTRI &amp; ITS America</i> , Ferdinand Schmidt, <i>CEO Österreichische Bundes Bahn and Freight Forum of the UIC</i> , Ralph T. Keck, <i>Director Product Supply Chain Innovation, Procter &amp; Gamble</i> , Michael Nielsen, <i>General Delegate IRU</i> , Niklas Gustavsson, <i>Executive Vice President Public and Environmental Affairs, Volvo</i> , Raymond Vidil, <i>CEO Armateurs de France</i>				
Lunch					
14:00 - 15:30	<b>Scientific and Technical Sessions 28-36 - <a href="#">?</a></b> <b>28 - Energy management</b> <b>31 - Urban logistics (2)</b> <b>34 - Mobility assessment and survey</b> <b>29 - Noise and vibrations</b> <b>32 - Health, social and gender issues</b> <b>35 - Integrated public transport services</b> <b>30 - Rail freight</b> <b>33 - Infrastructure maintenance and repair</b> <b>36 - Infrastructure and road safety</b>				
Coffee break					
16:00 - 17:30	<b>SS 5: "Co-evolution of fuels and powertrains for the competitiveness of the automotive industry"</b> Jean-Luc di Paola-Galloni (Valeo/ERTRAC), Nevio Di Giusto (CRF), Wolfgang Steiger (Volkswagen/ERTRAC), Neville Jackson (Ricardo), Danielle Le Breton (Total), Pierre Macaudière (PSA)	<b>SS 6: "The strategic role of rail research in Horizon 2020 and beyond"</b> Bernadette Frédérick (EC/DG M&T), Josef Doppelbauer (ERRAC, Bombardier), Andy Doherty (ERRAC, Network Rail), Manuel Pereira (ERRAC, Lisbon Technical Institute)	<b>SS 7: "Alternative fuels in maritime transportation"</b> Eric Banel (Armateurs de France), Gerd-Michael Wuersig (DNV-GL, DE), Jacques Rottenberg (ELENGY, Fr), Frédéric Pouget (Brittany Ferries, FR), Glenn Mattas (Wartsila Finland Oy), Patrik Klintbom (VOLVO Group, SE)	<b>SS 8: "International cooperation in transport research"</b> Alessandro Damiani (EC/DG R&I), Stephen Perkins (ITF/OECD), Andrei Dzikus (UN-Habitat), Alasdair Cain (US DoT/RITA), Siegfried Rupprecht (Rupprecht Consult), Vincent Blervaque (ERTICO), Yulin Jiang (CATS/CUSTReC, CN), Ralf Willenbrock (T-Systems International, CN)	
17:30 - 19:00	<b>Special Session "Snapshots from the future"</b> A special session organized in the "Pecha Kucha" style will offer the vision of eight high-level speakers on the transport system in the years 2030-2050. Maria-Cristina Marolda (EC, DG M&T), Bob Skinner (TRB Executive Director), Joris Al (Rijkswaterstaat/CEDR/FEHRL), Sandra Rosenbloom (Urban Institute), Andrea Ricci (ISIS, Institute of Studies for the Integration of Systems), François Jégou (Strategic Design Scenarios), Maryvonne Plessy-Fraissard (MPF Consult), Philippe Crist (OECD/ITF), Pietro Perlo (Interactive Fully Electrical Vehicles, IFEVS)				
<b>Invited Sessions 1-15 - <a href="#">?</a></b> 1 - Debating the adoption of environmental-friendly technologies: The US versus the European approach Douglas, N. Hales (University of Rhode Island, USA) 2 - CAPIRE – Supporting the Green Vehicles in H2020, David Storer (CRF, IT) 3 - Implementing green corridors in Europe, Harilaos Psaraftis (Technical University of Denmark, DK) 4 - Managing risk and resilience in sustainable logistics and supply chain management for urban supply, Klaus Krumme (University of Duisburg, DE) 5 - Best practices and intelligent solutions for urban freight transportation, Christophe Rizet (IFSTTAR) 6 - SHIFT <sup>2</sup> RAIL – Increased capacity, consolidate reliability for efficient and sustainable rail transport and a competitive European rail industry, Philippe Citroën (UNIFE) 7 - Changing Habits for Urban Mobility Solutions (CHUMS), John Nelson (Aberdeen University, UK) 8 - Creating the next generation of urban interchanges for an integrated urban mobility system, Sylvain Haon (Polis) 9 - Passenger travel behaviour changes in cities and metropolitan areas: What are the emerging challenges to transport policy in Europe?, Elisabete Arsenio (LNEC, PT) 10 - Sustainable urban mobility in Europe, the Mediterranean, Asia and Latin-America, André Dzikus (UN-Habitat, Kenya) 11 - The Second Strategic Highway Research Program (SHRP 2): results and lessons learned, Ann Brach (TRB) 12 - Sharing CMFs: an OECD report offers a world of possibilities, Jennifer Ogle (Clemson University, USA) 13 - How to create a sustainable platform for ERA-NET TRANSPORT research funding programs and project results?, Martin Russ (AustriaTech) 14 - Training young PhD students in transport through the international TransportNET network: experiences and lessons, Yves Crozet (LET/University of Lyon, FR) 15 - Ex-post evaluation of Transport Research and Innovation in the FP7, Maria Boile (CERTH, GR)					

Day 3: Wednesday 16 April			
<b>Scientific and Technical Sessions 37-45</b> - ?			
9:00 - 10:30	<b>37 - Heavy duty electric vehicles</b> <b>38 - Eco-driving</b> <b>39 - Engines and powertrains</b>	<b>40 - Logistics : terminals and ICT</b> <b>41 - ITS, implementation, assessment and impacts</b> <b>42 - Pavement performance and durability</b>	<b>43 - Infrastructure for inland navigation</b> <b>44 - Infrastructure and mobility pricing, policy measures</b> <b>45 - System safety, control and detection</b>
Coffee break			
11:00 - 12:30	<b>Plenary Session 3: "Infrastructure: Backbone and Challenge for the Economy"</b> - ? Bob Skinner, <i>TRB Executive Director (USA)</i> (tbc), Yves Krattinger, <i>Senator French Parliament</i> , Victor Schoenmakers, <i>Director of European &amp; International Affairs, Port of Rotterdam</i> , Francisco Esteban Lefler, <i>Chairman of European Construction Technology Platform</i> , Bjorn Paulsson, <i>Swedish Transport Administration</i> (tbc), Jean-Louis Marchand, <i>Chairman USIRF and Advancity</i> .		
Lunch			
<b>Scientific and Technical Sessions 46-53</b> - ?			
14:00 - 15:30	<b>46 - Liquid and gaseous fuels</b> <b>47 - Comodal freight, supply chain, corridors</b> <b>48 - Driver, driving simulation and naturalistic driving</b>	<b>49 - Climate resilient roads</b> <b>50 - Assessment and financing infrastructure</b> <b>51 - Factors of accidents</b>	<b>52 - Mobility and traffic modelling and simulation</b> 53 - Research policy and training
Coffee break			
16:00 - 17:30	<b>SS 9: "Rail as an attractive and sustainable mode for the future"</b> Christopher Irwin (EPF), Ralph Muller (DB, DE), Jean-Pierre Loubinoux (UIC), Daniel Cadet (Alstom Transport, FR), Mark Robinson (Newrail, UK), Nicolas Blain (RATP, FR), Marcel Verslype (ERA) tbc	<b>SS 10: "Waterborne: future and innovation"</b> Willem Laros (Waterborne TP), Thomas Witolla (Meyerwerf, DE), Ken Wittamore (ICOMIA, UK), Massimo De Benedetti (Fincantieri, IT), François Duthoit (DCNS, FR), Luciano Manzoni (SEA Europe, BE)	<b>SS 11: "Facing the crisis: high-performing infrastructure network"</b> Keir Fitch (EC/DG M&T), Raimo Tapio (Finnish Road Directorate), Stefan Strick (BAST, DE), Monika Heiming (Eimral), Jean-Claude Delen (CLECAT/DHL, BE)
17:30 - 19:00	<b>SS 13: "Horizon 2020: Innovating mobility / Mobilising innovation"</b> Liam Breslin (EC/DG R&I), Manuela Soares (EC/DG R&I), Fotis Karamitsos (EC/DG M&T), Oliver Althoff (TUV Rheinland Group/ERANET Electromobility+), Diassina Di Maggio (APRE, IT) <b>EU Champions of Transport Research Award Ceremony</b> by the European Commission and key industry representatives	<b>Invited Sessions 16-30</b> - ? 16 - Sustainability and energy efficient management of roads, Åsa Lindgren (STA, SE) 17 - iMobility Forum, supporting smart clean and safe mobility, Alessandro Coda (EUCAR) 18 - Technologies for electrification of urban bus systems, Umberto Guida (UITP) 19 - Air pollution from the transports, Séverine Kirchner (CSTB, FR) 20 - European noise directive and road noise, Wiebe Alberts (RWS, NL) 21 - T-TRANS - Enhancing the transfer of ITS innovations to the market, Miquel Angel Piera (Universitat Autònoma de Barcelona, ES) 22 - Transport Network ITS spatial data, Kees Wevers (ERTICO) 23 - Road owners adapting to climate change, Kees van Muiswinkel (NL) 24 - Land transport infrastructures and compensatory measures, Valery Lemaitre (MEDDE, FR) 25 - Integrated System for Transport infrastructures surveillance and Structural Health Monitoring, Vincenzo Cuomo (CNR, IT) 26 - Building up infrastructure networks of a sustainable Europe (reFINE), Hill Terry (Arup) 27 - CEDR transnational road research programme, Albert Daly (NRA, IE) 28 - Asset management and monitoring for ageing rail infrastructure, Kenneth Gavin (UCD, IE) 29 - Inland navigation, ports and intermodal, Marc Papinutti (VNF, FR) 30 - Making THE Transport-Health-Environment link, Mihail Kochubovski (Ministry of Health, Republic of Macedonia)	
<b>Day 4: Thursday 17 April</b>			
<b>Scientific and Technical Sessions 54-62</b> - ?			
9:00 - 10:30	<b>54 - Air pollution modelling</b> <b>55 - Human behavior and factors, perception and visibility</b> <b>56 - Infrastructure lifecycle and deterioration</b>	<b>57 - Navigation, positioning and GNSS</b> <b>58 - Human factors and safety</b> <b>59 - Safety policy and economics</b>	<b>60 - Bicycles</b> <b>61 - Rail certification and competitiveness</b> <b>62 - Ship design and assessment</b>
Coffee break			
11:00 - 12:45	<b>Closing Session: "Innovation in Transport- the way to go"</b> <b>Keynote speakers:</b> Sim Kallas, <i>European Commissioner for Transport</i> (tbc), Jean-Paul Huchon, <i>Chairman of Ile-de-France Regional Council</i> (tbc), Antony Foxx, <i>US Secretary of Transportation</i> (tbc) <b>TRA Awards:</b> Bernard Jacob, <i>Chairman of the TRA2014 Programme Committee</i> <b>Conclusions and perspectives:</b> George Giannopoulos, <i>Chairman of ETRA and ECTRI</i> <b>Closing Address and Handing over to TRA2016:</b> Frédéric Cuvillier, <i>French Minister in charge of Transport</i> (tbc), Elzbieta Bienkowska, <i>Polish Minister of Infrastructure and Development</i> (tbc)		
<b>Invited Sessions 31-45</b> - ?			
14:00 - 16:00	31 - Fuelling clean transport: the JEC Well-to-Wheels (WTW) methodology for comparing alternative fuel and vehicle options, Alois Krasenbrink (JRC) 32 - Developing supporting mechanisms for R&D SMEs for Electro-mobility, Sunil Maher (Coventry University Enterprises Ltd, UK) 33 - The first large-scale naturalistic driving study in Europe, Yvonne Barnard (ERTICO) 34 - Railways - climate change compliance for mobility, Alexandre Kaddouri (SNCF, FR) 35 - Transport Innovation Transferability Workshop: Best Practice Examples from TIDE and SOLUTIONS, Siegfried Rupprecht (Rupprecht Consult) 36 - Human centred design and acceptability of ICT for ecomobility, Evangelos Bekiaris (CERTH, GR) 37 - COST Action TU1001 (Public Private Partnerships in Transport: Trends & Theory): The Future in Transport Infrastructure Financing, Athena Roumboutsos (University of the Aegean, GR) 38 - How to deal with the variety of stakeholders and scales for freight transport? The interest of a systems approach, Caroline Almeras (ECTRI) 39 - Satellite Positioning Performance Assessment for Road Transport, François Peyret (IFSTTAR, FR) 40 - How the Forever Open Road (FOR) responds to the challenges faced by the European transport system, Bob Collis (TRL, UK) 41 - Roads safety economics: some highlights for the public decision making, Part I (Stakes): Anna Vadeby (VTI/ECTRI, FI), Part II (Advantages/limits): Horst Schulze (BAST/FERSI, DE) 42 - A new tool for the prevention and mitigation of railway suicides and trespass, Jacques Colliard (UIC) 43 - Education and training of transport researchers for the future ERA, George Giannopoulos (ETRA & ECTRI) 44 - Light weight structures and materials in future vehicles, Andreas Dorda (A3PS, AT) 45 - The ship of the future : national programme and implementations, François Duthoit (DCNS, FR)		

Scientific posters (with papers) - Day 3

Outreach marketplace (posters only) - Day 3

Scientific posters (with papers)

Outreach marketplace (posters only)