



Transport Research Arena

CNIT, La Défense, Paris, France

April 14-17, 2014



First Announcement

Call for Abstracts and Invited Sessions



Transport Solutions: from Research to Deployment

Innovate Mobility, Mobilise Innovation!



Chairmen Address



The fifth edition of the Transport Research Arena (TRA2014) will be held at the beginning of the Horizon 2020 European Framework Programme for research and innovation. Horizon 2020 will tackle societal challenges by helping to bridge the gap between research and the market. There are major issues in transport related to environmental impact and GHG emission, as curbing by 20% by 2020, alternative energy and energy savings, sustainable mobility and infrastructures, safety and security, etc. This needs to carry out and implement advanced research works, to develop new policies, adjusted education and industrial innovations.

The theme and slogan of the TRA2014 are respectively: "**Transport Solutions: From Research to Deployment**" and "**Innovate Mobility, Mobilise Innovation**". The objective of TRA2014 is to mobilise the best researchers and engineers together with the policy and decision makers, and company managers and engineers, in order to find and implement innovative solutions in transport. Investing in research and innovation would help to create jobs, to favour prosperity and increase the quality of life. All surface modes are concerned, including walking and cycling, and cross modal transports.

TRA2014 will be composed of several types of sessions, for information to be better disseminated.

A special attention will be paid to the publication of the selected papers, both to recognise the academic research works and to disseminate knowledge and best practices to the final users.

For the first time, associated events and joint conferences will be organised to enlarge the audience, offering new perspectives on several topics and increasing the networking with international stakeholders.

On behalf of the TRA Management and Programme Committees, we are honoured to invite you to TRA2014, in the business district of Paris-La-Défense (April 14-17, 2014).

*Jean-Bernard Kovarik (MEDDE/DGITM)
Management Committee Chairman*

*Bernard Jacob (IFSTTAR)
Programme Committee Chairman*

About the Conference



TRA (Transport Research Arena) is the major European conference on transport, supported by the European Commission, the Conference of European Road Directors, and the three European Technology Platforms: the European Road Transport Research Advisory Council (ERTRAC), the European Rail Research Advisory Council (ERRAC), and the WATERBORNE TP.

After the success of the 2006 (Göteborg, Sweden), 2008 (Ljubljana, Slovenia), 2010 (Brussels, Belgium) and 2012 (Athens, Greece) conferences, TRA 2014 will be organised in Paris, France, hosted by the French Ministry of Ecology, Sustainable Development and Energy and IFSTTAR.

The transport sector plays a strategic and major role in the European single market and in a fast changing economic and societal frame. Policies, technologies and

behaviours must be continually adapted to new constraints, such as climate change, the diminishing supply of fossil energy, the economic crisis, the increased demand for mobility, safety and security, etc. Transport infrastructures, vehicles and vessels, modal share, co-modality, urban planning, energy and environment issues are the subject of extensive studies, research works and industrial innovations, conducted by universities, research institutes, companies, practitioners, and public authorities.

TRA 2014 is a unique opportunity and a multi-disciplinary and inter-agency event, to bring together all the actors and to exchange ideas about these questions. TRA 2014 will be the first major event where the European Commission's "Horizon 2020" research and innovation programme will be discussed in depth, as the programme is due to be launched at the beginning of 2014.

Objectives, Scope and Topics



The transport sector plays a strategic and major role in the European single market and in a fast changing economic and societal frame. Policies, technologies and behaviours must be continually adapted to new constraints, such as climate change, the diminishing supply of fossil energy, the economic crisis, the increased demand for mobility, safety and security, etc. Transport infrastructures, vehicles and vessels, modal share and co-modality, urban planning and energy and environment issues are the subject of extensive studies, research works and industrial innovations, conducted by universities, research institutes, companies, practitioners, and public authorities.

TRA 2014 is a unique opportunity and a multi-disciplinary and inter-agency event, to bring together all the actors and to exchange ideas about these questions. This event

will contribute to the European transport competitiveness. The conference topics address the main challenges in transport and mobility of people and goods, with respect to energy, environment, safety and security and socio-economic issues. TRA aims at exploring the most advanced research works and innovations, the latest technological and industrial developments and implementations, and innovative policies, in Europe and worldwide. As a wide forum open to all interested parties, it is a unique occasion to promote and improve efficiency in transport.

TRA is not only a research conference, but an arena which aims at bringing together stakeholders from all areas of transport and transport-related activities. A broad spectrum of research and innovation activities will be addressed:

Topics	Modes
<ol style="list-style-type: none">1. Environment and Energy2. Industry Competitiveness3. Logistics and Mobility Systems and Services4. Safety and Security5. Transport Infrastructures6. Transport Policy Research / Socio-economic / Human sciences7. Vehicles & Vessels Technologies	<ol style="list-style-type: none">A. RoadB. RailC. WaterborneD. Cross-modality

Conference Organisation



TRA 2014 will comprise:

- plenary sessions dedicated to general and policy presentations by invited keynote speakers,
- strategic sessions to convey policy messages and industrial key issues,
- scientific and technical sessions on the conference topics, where the accepted papers will be presented, either as oral or poster presentations,
- invited sessions, to be proposed and organised by

community or project leaders, submitted to the Programme Committee review and acceptance, without published papers.

Conference language: English

Parallel Exhibition: A showcase for governmental and professional organisations, public and private research organisations and industrial companies will be held in conjunction with the conference.

Committees' Members and Key Dates



Management Committee (MC)

Jean-Bernard Kovarik (MEDDE, France), Chair
Hélène Jacquot-Guimbal (IFSTTAR), Vice-chair
Christelle Fongue (IFSTTAR), Secretary
Michel Egger (CEDR), Honorary member
Sergios Lambropoulos (Ministry Transport, Greece)
Liam Breslin (European Commission)
Alessandro Damiani (European Commission)
Paul Verhoef (European Commission)
Bojan Leben (CEDR/ZAG)
Govert Sweere (CEDR/DVS)
Claude Van Rooten (CEDR/BRRC)
Caroline Hoogendoorn (ERRAC/UITP)
Judit Sandor (ERRAC/UNIFE)
Denis Schut (ERRAC/UIC)
Jean-Luc Di Paola-Galloni (ERTRAC/Valeo)
Sylvain Haon (ERTRAC/Polis)
Wolfgang Steiger (ERTRAC/VW)
Willem Laros (WATERBORNE TP/Damen Schelde)
Jean-Yves Le Ven (WATERBORNE TP/MEDDE)
Fabrice Théobald (WATERBORNE TP/GICAN)
+ Invited members :
*Bernard Jacob (IFSTTAR), PC Chair
Patrick Malléjacq (IFSTTAR), PC Vice-Chair
Vincent Motyka (IFSTTAR), OC Chair*

Programme Committee (PC)

Bernard Jacob (IFSTTAR), Chair
Patrick Malléjacq (IFSTTAR), Vice-chair
Christelle Fongue (IFSTTAR), Secretary
Panos Papaioannou (SASTH, PC2012)
Anne Beeldens (BRRC, PC2010)
Ales Znidaric (ZAG, PC2008)
Damiao Chaves (European Commission)
Erika Sahlqvist (European Commission)
Patrick Mercier-Handisyde (European Commission)
Pieter De Winne (CEDR)
Jon Krokeborg (CEDR)
Yves Amsler (ERRAC/UITP)
Mark Robinson (ERRAC/NewRail)
Wolfgang Steinicke (ERRAC/EURNEX)
Josef Affenzeller (ERTRAC/AVL)
Ken Rose (ERTRAC/CONCAWE)
Zisis Samaras (ERTRAC/AUTH)
Willem Laros (WATERBORNE TP)
Pierre Marchal (WATERBORNE TP)
Panagiota Dilara (European Commission)

Key Dates

March 29, 2013
Abstract/Invited session submission deadline
June 30, 2013
Authors and invited session organiser notification
September 30, 2013
Full paper submission deadline
December 1, 2013
Decision on full papers, invited session complete description submission
January 6, 2014
Revised paper submission deadline

Who should attend?



TRA 2014 is open to researchers and academics, students, engineers, decision makers, transport infrastructure managers and owners, construction and engineering companies, traffic operation managers, transport operators, vehicle manufacturers and suppliers, ship builders, local authorities, governmental bodies and non-governmental organisations.

Awards



There will be awards for the best papers and posters presented at the conference.

In addition, there will be two competitions for transport research awards to be presented during the conference:

- a student research competition to stimulate the interest among young researchers/students in the field of sustainable surface transport;
- a competition for senior researchers in the field of innovative surface transport concepts based on results from EU-funded projects.

Submit your Abstract or Invited Session



Abstracts of 400 to 500 words must be submitted online, in English, on original, recent and substantive achievements, related to one main topic (1 to 7) and one main mode (A to D) as listed above. Accepted papers will be published in the conference proceedings.

Two types of abstracts/papers will be welcome: (i) scientific papers, (ii) users' oriented papers.

Invited session proposals are welcome and a summary (300 words max) must be submitted which contains: the title, the organiser, the format (e.g. panel discussion, series of oral presentations, posters...), a short description of the main objectives and themes to be addressed, and the expected audience.

Authors are invited to submit abstracts or invited session summaries on the Conference submission/authors website by April 30th, 2013 (postponed deadline):

<http://tra2014.sciencesconf.org/>

Important: if you are interested in TRA 2014, please sign up on this web site to be informed of all the developments. It's free! The registration will open in September 2013.

If you have any questions, feel free to contact us: tra2014@ifsttar.fr