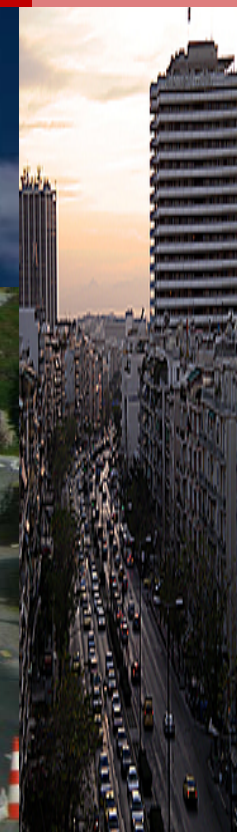




Transport Research Arena

Draft Call
for Papers

Athens • Greece • 23-26.04.2012



Athens • Greece • 23-26.4.2012



European Commission



European Road Transport
Research Advisory Council

➤ Call For Papers

In recent days where multiple economical, political, social and environmental objectives are urged to be met, transportation sector –as one of the most important civil infrastructure component- is forced to provide the necessary conditions for social welfare improvement. Under this perspective, Transportation Research Arena (TRA) 2012 held in Athens Greece and supported by the main transport industry European stakeholders (the *Conference of European Directors for Roads-CEDR*, the *European Commission-EC*, the *European Road Transport Research Advisory Council-ERTRAC*, the *European Rail Research Advisory Council-ERRAC* and the *European Technology Platform Waterborne-WATERBORNE*), aims to cover the multidiscipline content of the transportation sector, providing an inter- and ex-changing forum of ideas and best practices selected from across the globe, organized in a way that all stakeholders (public and private authorities, researchers, practitioners, etc) can benefit from. This call for papers reflects the scope of the organizing committee for fore-sighting into the future trends, an opportunity endorsed by some of the most important political (European Committee, and individual State Members) and industrial 'players' of the transportation sector. Under the framework of the TRA, oral and poster sessions will be organized, providing maximum exposure of each paper, while workshops focusing on the most important aspects of future development will be organized.

The Program Committee welcomes anyone that is interested in join forces in this endeavor to participate by presenting her/his ideas to the TRA 2012. The paper process follow two steps: the Abstract Submission (max 300 words) and the Full Paper Submission (please see Important Dates).

➤ Topics

The topics of the conference spans all over the surface transportation infrastructure and its interfaces other means of the supply chain. The broad categories are distinguished (but not restricted to) in the following areas:

•Surface Infrastructure Design and Construction

- Design of Road Infrastructure
 - Geometric Design
 - Landscape and Environmental Design
 - Access Management
- Pavements
 - Pavement Design and Construction
 - Pavement Rehabilitation
 - Pavement Materials and the Urban Climate
- Railway Infrastructure
 - Methods
 - Railway Materials

- Management of Transport Infrastructure
 - Pavement Management Systems
 - Methods of Pavement Management Systems
 - Pavement Monitoring and Evaluation
 - Pavement Maintenance and Preservation
 - Construction Management
 - Best Practices
 - Algorithms and Computational Methods
 - Civil Transportation Infrastructure
 - Railways Design and Construction
 - Airport Planning and Construction
 - Terminal Connectivity
 - Bridges and Tunnels Management
- Transport Safety and Security
 - Road Safety
 - Transportation Safety Management
 - Emergency Evacuation
 - Safety Data, Analysis and Evaluation
 - Best Practices
- Vehicular Technology and Vehicle-Driver Interaction
 - Drivers Responses
 - Trends in industry from Operational Perspective
- Planning
 - Transportation System, Policy, Planning and Process
 - Metropolitan Policy, Planning and Processes
 - Transportation Planning for Small and Medium –Sized Communities
 - Public Involvement in Transportation
 - Intelligent Transportation systems
 - Access Management
 - Transit Management and Operations
 - Travel Analysis Methods
 - Transportation Network Modelling
 - Transportation Demand Forecasting
 - Traffic flow modelling
 - Intelligent Transportation Systems
 - Advanced Computational Methods in Transportation

- Transport Policy
 - Transportation Policies
 - Transportation Economics
 - Congestion Pricing
 - Accessible Transportation and Mobility
 - Transportation and Socio-Economic Development
 - Social and Economic Factors of Transportation
 - Transportation and Sustainability
 - Data and Information Systems
 - Travel Survey Methods
 - Transportation Modelling and Surveys
- Public Transportation
 - Transit Management and Performance
 - Paratransit
 - Transit Systems Design and Operations
 - Transit Economics and Viability
 - Metro/ Rail Systems
- Energy, Environment and Sustainability
 - Environment and Energy
 - Transportation and Air Quality
 - Environmental Justice and equity in Transportation
 - Sustainable Development
 - Transportation, Land Use and the Built Environment
 - Social impact of Sustainable design
 - Environmental Impacts of Constructions
- Surface Freight Systems Integration
 - Freight Systems
 - Railways Management
 - Freight Transportation Planning and Logistics
 - Urban Freight Transportation
 - Intermodal Freight Transport
 - Marine and Waterborne Systems
 - Terminal Design
- Interurban Transportation
 - Marine –Coastal Transportation
 - Intermodal Competition
 - Aviation
 - Aviation System Planning

➤ Review and Papers Process
 The review process of the submitted papers will be treated based on standards of high quality. A single-blind peer review process will be followed for research papers, while the reviewers are qualified scholars and practitioners covering all views and perspectives. The presented papers will be included in the TRA 2012 Compendium of papers, while online access will be offered on registered members.
 Recommended papers from the reviewing process will be included in a special publication/journal arrangement of the highest quality.

- Programme Committee
- European members
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Important Dates	Tasks	Deadline
	System's for Abstract Submission Opening	30 October 2010
	Abstracts Submission (Max 300 words)	30 March 2011
	Decision on Abstracts/ Invitation to prepare paper	15 May 2011
	Full paper submission	15 September 2011
	Decision on full papers	15 November 2011
	Submission of final papers	30 December 2011
	TRA 2012	23-26 April 2012