

An aerial photograph of a large concrete bridge under construction in a mountainous valley. The bridge spans a deep gorge and is supported by several tall, narrow concrete piers. The road surface is partially completed, with construction equipment and materials visible on the bridge deck. The surrounding landscape is rugged, with steep, rocky slopes and dense green forest. The sky is clear and blue.

# **INTERNATIONAL SEMINAR ON ROADS, BRIDGES & TUNNELS**

**3-9 NOVEMBER 2017,  
THESSALONIKI, GREECE**

**ARISTOTLE UNIVERSITY OF THESSALONIKI  
SCHOOL OF CIVIL ENGINEERING**

## SEMINAR SCOPE AND LAYOUT

The School of Civil Engineering of the Aristotle University of Thessaloniki will organize an International Educational Seminar on Roads, Bridges and Tunnels, the ISRBT2017, in Salonica, in November 2017. This will be the 2<sup>nd</sup> Seminar of the kind, after the ISRBT2016, which took place in November 2016, gathering 53 participants and 25 invited speakers from 9 European countries. The International Seminar on Roads, Bridges and Tunnels (ISRBT) will cover practical aspects of construction and management, aiming, especially, at enlightening the applied part of the engineering know-how, useful to professionals of international prospects. Additionally, young, but also experienced, engineers will get acquainted with a wide range of innovative methods of construction and project management in the fields of roads, bridges and tunnels.

## THE SEMINAR IS ADDRESSED TO:

Construction Engineers, Engineers of International Projects, Scholars, Road Designers, Construction Managers, Motorway Operators, Road Engineers, Bridge Engineers, Tunnel Engineers, Motorway Concessionaire, QA and QC Engineers.

## SEMINAR VENUE

The seminar will take place at the Aristotle University, Centre for Dissemination of Research Results (Red Building) located at the Aristotle University campus. Opening date 3/11/2017.



## THE ISRBT2017 SEMINAR TOPICS

ISRBT seminar Topics/Lectures will cover the following subjects:

- Construction management of motorway projects
- Motorway concession projects
- Motorway construction projects in international context
- Road earthworks and environment
- Landslides and stabilization measures
- Construction methods for bridges
- Suspended bridges
- Motorway operations
- NATM tunnelling method for motorways
- Motorway pavements and asphalt courses
- Traffic safety on motorways
- ITS systems for motorways

## TECHNICAL VISITS

On Thursday 09/11/2017, there will be a visit to a motorway traffic control center.

## CULTURAL VISIT

On Sunday 5/11/2017, there will be a visit to the White Tower of Thessaloniki. On Thursday 09/11/2017, there will be a visit to Vergina archaeological site.

## CONTACT

For any further information please visit our website:

<http://isrbt.civil.auth.gr>

or contact us by email at [isrbt@civil.auth.gr](mailto:isrbt@civil.auth.gr).

You can also contact our Secretariat Office:

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	FRIDAY 3/11/2017	SATURDAY 4/11/2017	SUNDAY 5/11/2017	MONDAY 6/11/2017	TUESDAY 7/11/2017	WEDNESDAY 8/11/2017	THURSDAY 9/11/2017
	<b>MOTORWAY CONSTRUCTION PROJECTS</b>	<b>ROADS:ENVIRONMENT AND GEOTECHNICS</b>	<b>CULTURAL VISIT</b>	<b>BRIDGES</b>	<b>TUNNELS</b>	<b>MOTORWAY MANAGEMENT, OPERATIONS, AND SAFETY</b>	<b>TECHNICAL VISIT</b>
9:00 – 9:50	<b>Opening Speech</b> <i>Thierry Goger</i> Secretary General Forum of European National Highway Research Laboratories Belgium	<b>Numerical analysis and design of geotechnical structures</b> <i>Lidija Zdravcovic</i> Ph.D. Professor Imperial College of London UK	Visit to White Tower of Thessaloniki	<b>Construction methods for bridges</b> <i>Ch. Polyzos</i> Civil Engineer "Egnatia Odos S.A."	<b>NATM tunnelling method for motorways</b> <i>S. Lekkas</i> Senior Geologist IRD Engineering Italy	<b>European transport policy</b> <i>K. Diamandouros</i> Head of Secretariat Office European Road Federation Belgium	Traffic Control Center
9:50 – 10:40	<b>Keynote Speech</b> <b>Harmony in bridge design</b> <i>E. Siviero</i> Professor Ing. Arch. HC Rector University eCampus Italy	<b>Road cuttings and cut slopes</b> <i>E. Sakoumpenta</i> Civil Engineer M.Sc. "Egnatia Odos S.A."		<b>Economic aspects of bridge engineering</b> <i>K. Petroutsatou</i> Ph.D. Assistant Professor Aristotle University of Thessaloniki	<b>Motorway tunnels with non-reinforced concrete lining</b> <i>K. Koukaliaroglou</i> Civil Engineer Geotechnical Engineer Parsons Corporation USA	<b>Motorway operations and maintenance</b> <i>J.C. Roffe</i> Vice-President European Road Federation Belgium	
10:40 - 11:00	<b>Coffee Break</b>	<b>Coffee Break</b>		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	
11:00 - 11:50	<b>Motorway concession projects</b> <i>S. Pentheroudakis</i> CEO Concessionaire "Nea Odos"	<b>Road earthworks and environment</b> <i>Rosa Arce Ruiz</i> Professor University of Madrid Spain	Boat tour on Thermaikos Gulf	<b>Construction project of the 3rd Bosphorus Bridge</b> <i>J.F. Klein</i> T-engineering intl Consulting Engineers Switzerland	<b>Rational tunnelling in squeezing rock</b> <i>D. Kolymbas</i> Professor Dr. Division of Geotechnical and Tunnel Engineering University of Innsbruck Austria	<b>ITS for traffic management on motorways</b> <i>C. Pronello</i> Professor Politecnico di Torino Italy	Visit to Vergina Archaeologic al Site
11:50 - 12:40	<b>The strategy for road infrastructure development in recession times</b> <i>S. Lambropoulos</i> Professor National Technical University of Athens	<b>Design and construction of reinforced embankments</b> <i>A. Ritsos</i> Civil Engineer Geotechnical Engineer "Edafomichaniki S.A."		<b>Suspended bridges: The Rio Bridge</b> <i>P. Papanikolas</i> Country Manager Vinci Concessions S.A. France	<b>Tunnelling in limestone formations</b> <i>M. Stathopoulos</i> M.Sc. Geologist	<b>Operations on peri-urban motorway</b> <i>B. Halkias</i> Transportation Engineer CEO "Attikes Diadromes S.A."	
12:40 – 13:00	<b>Coffee Break</b>	<b>Coffee Break</b>		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	
13:00-13:50	<b>Experiences from managing quality of highway projects in Greece</b> <i>Y. Vakalis</i> Ph.D. Civil Engineer Project Manager of Concession Projects	<b>Geotechnical engineering – the art of burying success</b> <i>J. S. Steenfelt</i> Professor Technical Director COWI Denmark		<b>The Citadelle Bridge in Strasbourg: a balancing exercise</b> <i>A. Giannopoulos</i> Civil Engineer Egis Group France	<b>Motorway pavements and asphalt courses</b> <i>A. Nikolaides</i> Ph.D. Professor Aristotle University of Thessaloniki	<b>Traffic safety on motorways</b> <i>F. Kehagia</i> Ph.D. Associate Professor Aristotle University of Thessaloniki	
13:50 – 14:40	<b>Motorway construction projects in Middle East</b> <i>A. Angelidakis</i> Dep. Project Manager Independent Engineer Central Greece Motorway	<b>Landsides and stabilization measures</b> <i>M. Skempas</i> Ph.D. Geotechnical Engineer World Bank Consultant		<b>Discussion</b>	<b>Discussion</b>	<b>Discussion</b>	
14:40 - 15:30	<b>Lunch Break</b>	<b>Lunch Break</b>		<b>Lunch Break</b>	<b>Lunch Break</b>	<b>Lunch Break</b>	