

A circular graphic with a blue and yellow color scheme. The top half features a blurred image of a road with yellow lane markings and a blue sky. The bottom half features a blurred image of a road with yellow lane markings and a blue sky. The background is filled with binary code (0s and 1s) in various colors (blue, yellow, red, green).

# RSS 2022

8th Road Safety & Simulation International Conference

*Road Safety and  
Digitalization*

08-10 June, 2022 • Athens, Greece



**George Yannis,** Professor, National Technical University of Athens



# A Warm Welcome

by the National Technical University of Athens  
and the Hellenic Institute of Transportation Engineers

- at the first post-pandemic Global Road Safety Conference
- at the 8<sup>th</sup> Road Safety and Simulation Conference (2007-2022)  
Rome - Paris - Indianapolis - Rome - Orlando - The Hague - Iowa - Athens
- for exciting scientific road safety discussions in Athens,  
the city that dialogue was born



# NTUA Road Safety Observatory

- The NTUA Road Safety Observatory ([www.nrso.ntua.gr](http://www.nrso.ntua.gr)) is a **Center of Research and Innovation Excellence on Road Safety**, with global recognition [ranked: 2nd in Europe and 6th worldwide (AAP 2018)]
- A **Team of 35+ Scientists**: internationally recognized Professors, Senior Transportation Engineers, PostDoc, PhD Candidates and other scientists
- An **international reference website** - information system with state-of-the-art road safety data and knowledge:
  - more than 3.000 visits per month
  - 120 electronic newsletters since 2007
  - tens of tweets and social media posts annually
  - network of more than 4.500+ road safety experts in Greece (1.000+) and worldwide (3.500+)
- An excellent **research activity**:
  - More than 100 Diploma Theses & 7 PhD Theses,
  - More than 130 road safety research projects, mostly highly competitive,
  - More than 750 road safety publications (> 215 in scientific Journals),
  - More than 100 scientific commissions,
  - International Cooperations: European Commission, UN/ECE, OECD/ITF, WHO, World Bank, EIB, CEDR, FEHRL, ERF, IRF, UITP, ETSC, WCTR, TRB, decades of Universities and Research Centers.



# RSS 2022 Conference in numbers



## The people

300+ participants  
402 authors  
28 countries  
120 reviewers

## Presentations

130 full papers  
27 sessions  
3 keynote speakers  
2 panel discussions

## Papers

3 Paper Awards  
6 Special Issues  
82 papers for Special Issues

*More than 8,000 emails exchanged !!*



# RSS 2022 - 11 Thematic Areas

## Room 4

- **Big Data**  
([Session 1](#) - [Session 4](#) - [Session 7](#))
- **Connected and Automated vehicles**  
([Session 10](#) - [Session 13](#) - [Session 16](#))
- **Microsimulation**  
([Session 19](#) - [Session 22](#))

## Room 5

- **Driving Simulation**  
([Session 2](#) - [Session 5](#))
- **Naturalistic Driving**  
([Session 8](#) - [Session 11](#))
- **Vulnerable road users' safety**  
([Session 14](#) - [Session 17](#))
- **Human Factors**  
([Session 20](#) - [Session 23](#))

## Room 6

- **Safety Modelling**  
([Session 3](#) - [Session 6](#) - [Session 9](#) - [Session 12](#))
- **Roadway Infrastructure**  
([Session 15](#) - [Session 18](#))
- **Emerging Technologies**  
([Session 21](#) - [Session 24](#))

# RSS 2022 - Special Issues

- **Accident Analysis and Prevention** on "Road Safety & Simulation"
- **Traffic Safety Research: An International Journal** on "New Traffic Safety Concepts"
- **Safety Science** on "Advanced Road Safety Analyses"
- **Advances in Transportation Studies** on "Innovative Road Safety Measures"
- **Journal of Traffic and Transportation Engineering** on "Advanced Road Safety Technologies"
- **Journal of Big Data Analytics in Transportation** on "Machine Learning and Artificial Intelligence in Safety Critical Transport Applications"

# Road Safety @ the crossroads

- **New plans, new targets and new actions for the decade**  
in Greece, in Europe and globally
- **Road safety is for the first time taken seriously in Greece and in Athens**
  - through an array of key and priority actions
  - with results demonstrating good progress in Europe
- **Fast safety advances in the digital era**
  - big data, artificial intelligence and machine learning
  - traffic automation and connectivity
  - new technologies
- **Road Safety is a science**
  - simulation is an ever lasting key analysis tool
  - multidisciplinary and co-consideration of all crash factors
  - evidence based solutions multiply the safety benefits



# Thanks to the great support

## Under the Auspices



HELLENIC REPUBLIC  
MINISTRY OF INFRASTRUCTURE AND TRANSPORT



CITY OF  
ATHENS

## Golden Sponsor



transport  
for athens  
**OASA S.A.**





# Thanks to the support of our sponsors

## Silver Sponsors



## Sponsors



# Thanks to the dedicated Organising Committee

## Local Organizing Committee



Basil Psarianos  
Scientific Program Chair

---



Stergios Mavromatis  
Scientific Program Co-Chair

---



Panagiotis Papantoniou  
Organising Committee Chair

---



Dimosthenis Pavlou  
Workshops & Technical Tours

---



Armira Kontaxi  
Conference Organization

---



Mathilde Bouka  
Conference Organization

---



George Yannis  
General Chair

---



# Some Practical Information

[www.nrso.ntua.gr/rss2022](http://www.nrso.ntua.gr/rss2022)

- Programme
- Book of Abstracts
- Proceedings (all papers)
- Presentations
- Photos (almost real time)

**QR Code** - scan and follow  
(badge, posters, roll ups)

## WiFi

- Wi-Fi network: Zappeio\_Megaro\_WiFi
- Passcode: z@ppeion





# Social Events – Social Media

**Plenary Photo** - Zappeion entrance

Wednesday 8 June @ 13:00

**Reception** - Zappeion

Wednesday 8 June @ 18:30

**Gala Dinner** - Bolivar

Thursday 9 June 2022 - Buses @ 19:30/20:00 (return 23:00 - 00:00) (please register)

**Running / Jogging** - National Garden (& guided sightseeing)

Thursday 9 - Friday 10 June 2022 @ 07:15/07:30 Zappeion entrance

**Social Media** - mind to use #rss2022



A circular graphic with a blue and yellow background. The top half features binary code (0s and 1s) in white and yellow. The bottom half shows a blurred image of a road with a yellow center line and a blue sky.

# RSS 2022

8th Road Safety & Simulation International Conference

*Road Safety and  
Digitalization*

08-10 June, 2022 • Athens, Greece



## Welcome and Enjoy!