



AUTOMOTIVE VEHICLES AND FUTURE TECHNOLOGIES
BRAȘOV, 27-29 October 2010



SAE *International*

SIAR



**CONAT 2010 - International
Congress on Automotive and
Transport Engineering,**
Braşov, Romania
October 27 – 29

**Subject:
AUTOMOTIVE VEHICLES AND
FUTURE TECHNOLOGIES**

The CONAT International Congress is a traditional scientific event initiated by *Transilvania* University since 1965.

At the previous 10 editions of the Congress, valuable scientific papers were presented, though out teaching staff of the technical universities, as well as by specialists working in the design and research departments, manufacturing companies or in the operation division of automotive transport companies.

The Congress intends to facilitate a profitable exchange of information among specialists in automotive and transport engineering, and to discuss the new challenges that are facing the automotive industry over the future.

With the occasion of the Congress a technical exhibition will be organized.

This event is organised under FISITA Patronage.

FISITA is the international federation linking the national automotive engineering societies in 38 countries. FISITA is a non-profit organisation committed to helping create efficient, affordable, safe and sustainable automotive transportation.

CONGRESS THEMES

1. Innovative Solutions for Automotive Vehicles

Advanced powertrain
Chassis systems
Transmission systems
New solutions for vehicle body design
Advanced electronics
Comfort and Ergonomics

2. Automotive Vehicles and Environment

Reduction of gas emissions /
chemical pollutants
Vibration and noise reduction
Hybrid and electrical vehicles
Alternative fuels
Electromagnetic compatibility
Renewable energy sources

3. Advanced Transport Systems and Road Traffic

Intelligent transport systems
Advanced traffic control systems
Systems for driver assistance
Human and vehicle interface
Traffic pollution and noise impact
assessment

4. Advanced Engineering Methods

Styling and aerodynamics
Design for manufacturing and
maintenance
Simulation and testing for vehicle
and components
Vehicle dynamics
Virtual reality

5. Heavy and Special Vehicles

Concept cars
Race cars
Buses, trucks and heavy vehicles
Tractors, industrial and agricultural vehicles
Working equipment

6. New Materials, Manufacturing Technologies and Logistics

New materials
Prototyping
Manufacturing trends
Quality, reliability and maintenance
Life/Cycle analysis
Supplying chain and logistics
Automotive Recycling

7. Accident Research and Analysis

Traffic safety and accident statistics and analysis
Traffic accident, tests and reconstruction
Pedestrian and bikers protection
Crashworthiness and biomechanics

Submit Your Paper

CONAT 2010 offers a unique opportunity to present your technical developments to an audience of automotive engineers.

Submit Your Abstract

Abstracts of 200-300 words must be written in English.

The abstract must contain the following information:

- Name, affiliation and contact details of author and co-authors: phone number, fax, e-mail, mailing address;
- The objectives of the paper;
- Process by which the conclusions were reached;
- Tentative title;
- Selection of one session codes listed above.

Abstracts must be submitted online at the congress website: <http://conat.unitbv.ro>.

Deadlines

02.04.2010: Submission of abstract
30.04.2010: Notification of acceptance
02.07.2010: Final paper
09.07.2010: Draft programme

Paper Acceptance and Evaluation

The congress technical committee will evaluate papers entirely on the basis of the abstracts submitted and their suitability for the subject area chosen. The papers accepted on basis of abstracts analysed, will be re-evaluated after submission of the final paper.

Congress Structure

Scientific and Technical Sessions

The industry's leading experts present the latest technological trends and developments in the automotive sector.

Exhibition

Showcase the latest in automotive technology and services.

Commercial Presentations

An invaluable opportunity for companies to present their products and services to high-level engineers and managers.

Student and Youth Congress

A special forum for young engineers.

