

PREFACE

*The International Congress **SMAT 2014 (Science and Management of Automotive and Transportation Engineering)** was held under the higher patronage of Ministry of Education and Scientific Research of Romania, with the support of FISITA (International Federation of Automotive Engineering Societies).*

It's the 37th edition of this International Congress.

By the collaboration inside SIAR (Society of Automotive Engineers of Romania), this Congress represent the effort of the accademic people and researcher from the main romanian universities centers, Bucuresti, Brasov, Craiova, Cluj-Napoca, Pitesti and Timișoara.

The main purpose of the SMAT 2014 Congress was to offer to all researchers and specialists in automotive field a large discution environement, a place to present the newest achievements in research and innovation activities, within the topics:

- *Advanced Methods of Research, Designing and Engineering Modeling*
- *Engines and Fuels*
- *Heavy and Special Vehicles*
- *Automotive Mechatronics and Wheeled Robots*
- *Materials and Processing Technologies*
- *Modern Transport Systems, Road Traffic and Safety*

Many remarcable romanian and international researchers from automotive and transports engineering was present to the Congress. In parallel with the Congress acts, a students scientific contest was organised, and also a roundtable with social and economicrepresentatives, about security, safety road and urban logistic.

The social, economic, technical and scientific impact of Faculty of Mechanics, a pillow of University of Craiova, is finding in a large area of scientific and technical achievements of students, graduates and researchers of this Faculty, all around the world.



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