

# Maps of Belgrade



Medjunarodni naučno-stručni skup sa izložbom  
**XXII NAUKA I MOTORNA VOZILA 2009**  
 JUMV International Automotive Conference with Exhibition

14 - 16 April, Beograd, Serbia



## PRELIMINARY PROGRAMME



## Automotive Engineering for Improved Safety



#### Welcome to Belgrade

Maintaining the tradition, JUMV is organizing the 22<sup>nd</sup> International Automotive Conference **SCIENCE AND MOTOR VEHICLES** in Belgrade, on 14 to 16 April 2009 under the motto **AUTOMOTIVE ENGINEERING FOR IMPROVED SAFETY**.

The Automotive Conference "Science and Motor Vehicles" was established in 1967 and has since become an important international forum of Automotive Engineers in Serbia, Balkans and Central-Eastern Europe. It promotes the exchange of engineering and scientific knowledge and experience at the highest quality level between experts from different countries.

The 2009 conference will demonstrate continuity, tradition, and quality of 21 previously held similar conferences. It is an opportunity to participants to assess the development, applied scientific and engineering results of experts in automotive engineering, with particular emphasis to improved safety.

This two-and-a-half day Conference consists of two parts: Workshop to be held in Serbian Language on Tuesday, 14 April 2009, and dedicated specials & technical sessions in English Language, which are organized and / or chaired by highly ranked international moderators in presentation panels.

The conference is aimed at covering the following aspects of automotive engineering:

- Simulation in Automotive Engineering
- Vehicle Safety
- Powertrain, Riding & Vehicle Comfort
- SE - Engines, Emission, Ecology, Environment & Energy
- Fair Repair & Automotive Logistics

#### Organization and Patronage Information

22nd JUMV International Automotive Conference SCIENCE AND MOTOR VEHICLES 2009 is organized by JUMV – The Society of Automotive Engineers of Serbia, and co-organized both by the Faculty of Mechanical Engineering of the University of Belgrade, and its Innovation Center. Patronage to the Conference is granted by:

- FISITA – International Federation of Automotive Engineers Societies
- EAECE – European Automotive Engineers' Cooperation
- EVU – European Association for Accident Reconstruction and Analyses
- SANU – Serbian Academy of Science and Art
- AIMS – Academy of Engineering Sciences of Serbia (to be confirmed)
- Ministry of Science and Technology of Serbia (to be confirmed).

#### International Programme Committee

- Prof. Dr. Jovan Todrović, (ret.), University of Belgrade & JUMV, Serbia
- Prof. Dr.-Ing. habil. Egon-Christian von Glasner, EVU, Germany
- Prof. Dr.-Ing. Sigmar Mücke, Germany
- Prof. Gabriele Virzi Mariotti, University of Palermo, Italy
- Prof. Gianfranco Rizzo, University of Palermo, Italy
- Prof. Dr. Ferdinand Trenc, University of Ljubljana, Slovenia
- Prof. Dr. Jan Lešinsky, Technical University of Bratislava, Slovakia
- Prof. Dr. Konstantinos Spentzas National TU Athens, Greece
- Prof. Dr. Aleksandar Subić, RMIT University, Melbourne, Australia
- Dr. Stojan Čučuz, Visteon, Germany
- Prof. Dr. Dušan Gruden, Germany
- Mr. Alexander Berg, Dekra Automobile GmbH, Germany
- Dr. Branislav Basara, AVL List GmbH, Austria
- Dr. Marko Tirović, Reader, Cranfield University, UK
- Dr. Matyas Matočsky, GTE, Hungary
- Prof. Dr. Čedomir Duboka, University of Belgrade & JUMV, Serbia

#### Preliminary Programme

#### Special Session on SIMULATIONS IN AUTOMOTIVE ENGINEERING organized & chaired by Doz. Dr. Branislav Basara, AVL List GmbH, Graz, AUT

#### THE INTEGRATION OF CAE IN AVL'S PRODUCT DEVELOPMENT PROCESS

**M. Sufra**, AVL List GmbH, Advanced Simulation Technologies, Graz, AUT

#### HYBRADIZATION OF RANS AND LES CONCEPTS FOR COMPUTING INDUSTRIAL AND ENVIRONMENTAL FLOWS: A PERSPECTIVE

**K.Hanjalić**, "Sapienza" University of Rome, ITA/Delft University of Technology, HOL

#### SHAPE OPTIMIZATION OF ROAD VEHICLES FOR IMPROVED AERODYNAMIC PERFORMANCE

**S. Krajnović**, Chalmers University, Department of Applied Mechanics, SWE

#### COMPUTATIONAL MODELLING OF CAR AERODYNAMICS BY RELEVANCE TO A CAR-TRUCK OVERTAKING PROCESS

**S. Jakirhić**, Technische Universität Darmstadt, Chair of Fluid Mechanics and Aerodynamics, Darmstadt, GER

#### NUMERICAL SIMULATIONS OF POLLUTANT DISPERSION IN STREET CANYONS AND TRAFFIC TUNNELS

**S. Kenjereš**, B. ter Kuile, Delft University of Technology, HOL

#### INVESTIGATION IN RELATION OF MODELLING AND MEASUREMENT IN DESIGN OF POSITIVE DISPLACEMENT MACHINES

**N. Stošić**, City University London, UK.

#### QUENCHING PROCESS OF INTERNAL COMBUSTION CYLINDER HEAD

**D. Greif**, V. Srinivasan, De. Wang, M. Sufra, AVL List GmbH, Advanced Simulation Technologies, Maribor, SLO/AVL Powertrain Engineering Inc, Plymouth, Michigan, USA

#### TRACKING OF PROPAGATING TURBULENT FLAMES AND AUTOIGNITION IN ENCLOSURE

**S.M. Frolov**, V.S. Ivanov, V.A. Smetanyuk, B. Basara, Semenov Institute of Chemical Physics, Moscow, RUS/ AVL List GmbH, Advanced Simulation Technologies, Graz, AUT

#### TURBULENCE MODELING FOR IN-CYLINDER FLOWS IN ENGINES

**B. Basara**, AVL List GmbH, Advanced Simulation Technologies, Graz, AUT

#### Who should attend?

Automotive engineers and scientists, Road traffic safety engineers, Accident reconstruction experts, Managers from automotive and supply industry, Academia associates, Governmental officers, Students and young engineers in automotive engineering and other related engineering sciences are invited to present results of their research, development and engineering work, and to take part at the Conference.

This Conference provides unique opportunities to participants to establish new professional and personal contacts, to exchange with other participants the results of their engineering activities, experience and expertise, and to learn more about automotive and supply industry in Serbia in order to open new business opportunities for their companies. Serbia is nowadays a country of challenges and opportunities for all those willing to extend their business to this part of Europe.

This Conference is also an opportunity for foreign participants to learn more about Serbia, and to enjoy the traditional hospitality of this part of Europe.

#### Schedule of Sessions

##### Conference in Serbian Language - Tuesday, 14 April 2009

This part of the Conference will be held at the **Faculty of Mechanical Engineering, University of Belgrade**. It will consist of the **Workshop in Serbian Language** dedicated to **Automotive Forensic Investigation Methods**.

For more details please visit appropriate Web pages in Serbian Language.

##### Registration of international attendees with Welcome Drink

Will be held on **Tuesday, 14 April 2009** starting at 19h00 in the building of the **SANU – Serbian Academy of Science and Arts**, Kneza Mihaila 35.

##### International Conference – Wednesday, 15 April & Thursday, 16 April 2009

International Conference is to be held on **Wednesday, 15 April 2009** and **Thursday, 16 April 2009** in the building of the **SANU – Serbian Academy of Science and Arts**, Kneza Mihaila 35, with the following Conference Schedule.

Date & Time	Wednesday 15 April 2009	Thursday 16 April 2009
<b>09h00</b>	Special Session on Simulation	"SE" Session: Engines, Emissions, Ecology, Environment, Energy
<b>13h30</b>	Special Session on Fair Repair	Automotive Logistics Safety Session I
<b>14h30</b>	Special Session with the Invited Speakers	Lunch Safety Session II
<b>18h00</b>		Session on Powertrain, Riding & Comfort
<b>20h00</b>		<b>Conference Close</b>

#### Preliminary Programme

#### Special Session on "FAIR REPAIR"

chaired by Mr. Frank Leimbach, DEKRA Automobil GmbH, Stuttgart, GER

THE PROJECT "FAIR REPAIR" A CONTRIBUTION TO HIGHLIGHT POSSIBLE IMPACTS OF NONPROFESSIONAL REPAIR ON THE QUALITY AND SAFETY OF VEHICLES  
**Alexander Berg et al.**, Dekra Automobil GmbH, Stuttgart, GER

NUMERICAL SIMULATIONS FOR DEEPER UNDERSTANDING OF THE INFLUENCE OF NONPROFESSIONAL REPAIR TO THE CRASH PERFORMANCE OF VEHICLES - FIRST RESULTS

**Clive Chirwa et al.**, University of Bolton, UK

REPAIR RELATED FRAUD WITH THE SECOND HAND IMPORTED VEHICLES IN WEST BALKANS

**Čedomir Duboka et al.** University of Belgrade, SRB

#### Special Session "GUEST SPEAKERS"

Chaired by Prof. Dr. Čedomir Duboka, University of Belgrade, SRB

FISITA MESSAGE 2009

**Dr. Andras Voith**, Knorr-Bremse KTT, HUN (to be confirmed)

THE INFLUENCE OF TYRE PERFORMANCE ON THE SAFETY OF COMMERCIAL VEHICLES

**Prof. Dr.-Ing. Habil, Dr. h.c Egon-Christian von Glasner**, Daimler (ret.), GER

DETERMINING OFF ROAD TYRES TRACTION CHARACTERISTICS

**Dr. Marko Tirović**, Reader, Cranfield University, UK

DRIVER ASSISTANCE SYSTEMS – STATUS 2009

**Prof. Dr.-Ing. Sigmar Mücke**, Robert Bosch (ret.), GER, **Prof. Dr.-Ing. Habil, Dr. h.c Egon-Christian von Glasner**, Daimler (ret.), GER

STRATEGY OF TRANSPORT AND TRAFFIC DEVELOPMENT IN SLOVENIA BY THE YEAR 2015

**Prof. Dr. Ferdinand Trenc**, University of Ljubljana, SLO

ENGINEERS FOR 2020

**Prof. Dr.-Ing. Jan Lešinsky**, Technical University Bratislava, SVK

DRIVER'S PROTECTION IN FRONTAL COLLISION OF BUSES

**Dr. Matyas Matočsky**, GTE, Budapest, HUN

PC-CRASH AND PC-RECT PROGRAMS FOR ACCIDENT RECONSTRUCTION – THEORY / SIMULATION MODELS AND APPLICATION

**Dr. Andreas MOSER**, DSD Linz, Austria (to be confirmed)

COMPARISON OF DIFFERENT NOx REDUCTION TECHNOLOGIES IN TERMS OF EMISSION REDUCTION POTENTIAL, FUEL ECONOMY & COST EFFECTIVENESS

**Dr. Stojan Čučuz**, Visteon, Koeln, Germany

#### Preliminary Programme

### Technical Session AUTOMOTIVE LOGISTICS

chaired by Prof. Dr. Jovan Todorović, (ret.) University of Belgrade, SRB

THE CONCEPT AND INSTALLATION OF BRAKE DRUM MASS PRODUCTION  
Franc Klemen, Gorazd Bombek, Faculty of Mechanical Engineering, University of Maribor, SLO

ADVANCED LASER-BASED DIMENSIONAL METROLOGY FOR IN-PROCESS AUTOMATION OF RUBBERIZED CORD PRODUCTION FOR HIGH PERFORMANCE TIRES MANUFACTURING  
P. Petrović, Z. Jakovljević, M. Pilipović, Z. Spasić, University of Belgrade, SRB  
VIRTUAL MANUFACTURING - EXAMPLES OF AUTOMOTIVE PART MANUFACTURERS  
M. Filipović, Z. Spasić, P. Petrović, Z. Jakovljević, University of Belgrade, SRB  
EXPERIMENTAL COMPARATIVE ANALYSIS OF THE MANUFACTURING QUALITY OF PLANETARY GEAR TRAINS  
Mech. Eng. Sanjin Troha, University of Rijeka, CRO, Doz. PhD Dimitar Karaitanov, University of Chemical Technology and Metallurgy, Sofia, BUL

COMPLEX DEPENDABILITY PROCEDURE FOR REDUNDANT VEHICLE SYSTEMS  
PhD Tímea Filup, Department of Automobiles, Budapest University of Technology and Economics, HUN

RECYCLING POSSIBILITIES OF SHREDDED LIGHT FRACTION COMING FROM CAR WRECKS  
Zsófia Újsághy, Department of Automobile, Budapest University of Technology and Economic, HUN

AUTOCLUSTER SERBIA - SUPPORTING INCREASE OF COMPETITIVENESS OF AUTOMOTIVE COMPONENT MANUFACTURERS AND REGIONAL DEVELOPMENT  
Mgr. Zlatica Pešić, TIGAR - Technical Rubber Factory, Pilot, SRB

UPGRADING OF THE INFORMATION SYSTEM FOR PUBLIC TRANSPORT MANAGEMENT  
Vladimir Momčidović, Aleksandar Manojlović, Davor Vujanović, Viadimir Pačić, Faculty of Transport & Traffic Engineering, University of Belgrade, SRB

### Technical Session "SE"

ENGINES - EMISSIONS - ECOLOGY - ENVIRONMENT - ENERGY  
chaired by Prof. Dr. Ferdinand Trenč, University of Ljubljana, SLO

SIMULATION TESTING OF MIXTURE COMPOSITION FOR SI ENGINE  
Prof. József Nita, PhD Iwona Komorska, University of Technology, Radom, POL  
VORTEX RING-LIKE STRUCTURES IN GASOLINE FUEL SPRAYS  
S.S. Sazhin, University of Brighton, UK, F. Kaplanski, Tallin University of Technology, Estonia, S. Begg, M.R. Heikal, University of Brighton, UK

ENERGETIC PERFORMANCE OF MONOLITH AND RANDOM PACKED BEDS AFTER TREATMENT SYSTEMS  
Angelo Algieri, Mario Amelio, Pietropaolo Morrone, Mechanics Department, University of Calabria, ITA

HYDROGEN BASED OPERATION OF INTERNAL COMBUSTION ENGINES  
M.Sc. György Budik, Budapest University of Technology and Economics, HUN  
COMBUSTION PHASING IN AN OPTICAL GASOLINE ENGINE OPERATING IN THE LIMIT OF SPARK-ASSISTED, CONTROLLED AUTO-IGNITION  
S.M. Begg, D.J. Mason, M.R. Heikal, Sir Harry Ricardo Laboratories, Centre of Automotive Engineering, University of Brighton, UK

EXPERIMENTAL INVESTIGATION OF THE CHARACTERISTICS OF OIL BEHAVIOUR IN AN IDEALISED ENGINE CRANKCASE  
S.M. Begg, G. de Sercey, M. Heikal, Sir Harry Ricardo Laboratories, University of Brighton, UK, R. Gilchrist, Ricardo plc, UK, Y. Noda, Y. Mamiya, Nissan Motor Co., Ltd, JPN

HISTORY IN MAKING - 10 YEARS OF FORD FUEL CELL VEHICLES  
Miloš Miličić, Ford Motor Company, Detroit, USA

ECONOMIC AND DYNAMICAL ANALYSIS OF COMPRESSED NATURAL GAS FUELLED VEHICLES  
Nikolett Pezsa, Zsófia Újsághy, Attila Gubovits, Balazs Trencseni, Department of Automobiles, Budapest University of Technology and Economics, HUN

ANALYSIS AND COMPARISON OF CONVENTIONAL AND HYBRID LIGHT DUTY VEHICLES UNDER URBAN DISTRIBUTOR SITUATION  
Bálint Szabó, Dr. Huba Németh, Department of Automobiles, Budapest University of Technology and Economics, HUN

THE NON-CONVENTIONAL FUELS AND NOXIOUS  
V.D. Negrea, Adriana Tokar, Arina Negoitescu, D. Ostoia, D.A. Negrea, Politehnics University Timisoara, ROM

THE APPLICATION OF HYBRID DRIVE TECHNOLOGY IN CITY BUSES  
Dr. Zlatomir Živanović, Dr. Djordje Diligenski, Dr. Željko Sakota, Institute of Nuclear Sciences "VINCA", Department for Engines and Vehicles, Belgrade, SRB

MULTIBODY NUMERICAL SIMULATION OF AN INTERNAL COMBUSTION ENGINE WITH APPRAISAL OF THE WEAR DAMAGE  
G. Virzi Mariotti, V. I. Caviglia, Dipartimento di Meccanica, Università degli Studi di Palermo, ITA

### Preliminary Programme

22<sup>nd</sup> JUMV International Automotive Conference SCIENCE AND MOTOR VEHICLES, Belgrade, 14-16 April 2009

### Technical Session VEHICLE SAFETY

chaired by Dr. Marko Tirović, Cranfield University, UK

INFLUENCE OF GEOMETRY MODIFICATIONS OF VEHICLE BODY JOINTS ON THEIR STRUCTURAL BEHAVIOUR  
Prof. Giovanni Bellingardi, Jovan Obradović, Mechanical Engineering Department, Politecnico di Torino, ITA

UTILISING LATENT BENEFITS OF SUBSTRUCTURES IN COMPUTER AIDED DESIGN AND OPTIMISATION OF COMPLEX VEHICLE ASSEMBLIES  
Mladenko Kajtez, Aleksandar Subić, Monir Takla, RMIT University, School of Aerospace, Automotive and Manufacturing Engineering, Melbourne, AUS

DESIGN AND ANALYSIS OF IMPACT RESISTANT FLEXIBLE BOLLARD  
Dr. Anton Ianakiev, School of Built Environment, Nottingham Trent University, UK

THE GIS-WEB APPLICATION FOR A BETTER KNOWLEDGE OF THE ROAD ACCIDENT CHARACTERISTICS - A STUDY ON PEDESTRIAN AND VEHICULAR ROAD SAFETY  
Prof. Salvatore Amoroso, PhD Student Luigi Caruso, University of Palermo, ITA

ACTIVE SAFETY WITH DEDICATED SHORT RANGE COMMUNICATIONS  
Dr. Milan Simić, Milica Dekić, RMIT University, School of Aerospace, Automotive and Manufacturing Engineering, Melbourne, AUS

BLIND SPOT WARNING SYSTEMS SOLUTIONS  
Dr. Milan Simić, RMIT University, School of Aerospace Automotive and Manufacturing Engineering, Melbourne, AUS

DEVELOPMENT POSSIBILITIES OF INTEGRATED WHEEL END CONTROL  
Bálint Szabó, Gergely Bari, Department of Automobile, Budapest University of Technology and Economic, HUN

HOMOLOGATION PROCESS FOR ESP BASED VEHICLE MODELS  
Attila Gubovits, Department of Automobile, Budapest University of Technology and Economic, HUN  
MULTI-DISC WET BRAKE SYSTEM FOR HEAVY DUTY TRACTORS.  
Dr. Horváth György, Sebestény András, Dr. Szócs Karoly, RABA Axle Ltd. and Széchenyi University, Győr, HUN

NUMERICAL STUDY OF THE PHENOMENON OF "BRAKE SQUEAL" IN THE DISC BRAKES - FIRST RESULTS  
G. Virzi Mariotti, D. Bonaccolla, M. Saitta, Dipartimento di Meccanica, Università degli Studi di Palermo, ITA

SOLVING OF BRAKE DRUM SQUEALING PROBLEM  
Gorazd Bombek, Faculty of Mechanical Engineering, University of Maribor, SLO  
BUILDING OF ACTIVE SAFETY SYSTEM WITH ROAD VEHICLES BASED ON COGNITIVE MODEL OF HUMAN DRIVER  
Dr.Sci. dipl. Ing Aleksandar Rodić, Institute "Mihailo Pupin", Belgrade, SRB

### Preliminary Programme

### Technical Session "POWERTRAIN, RIDING & COMFORT"

Chaired by Prof. Dr. Aleksandar Subić, RMIT University, Melbourne, AUS

INTEGRATED POWERTRAIN MODELLING TO ENHANCE COMFORT OF HEAVY DUTY VEHICLES  
Balazs Trencseni, Huba Németh, Department of Automobile, Budapest University of Technology and Economic, HUN

CONSIDERATION ON THE DISTRIBUTION OF VERTICAL FORCES AT MOTOR VEHICLES  
V. Okáč, D. Balcu, M. M. Stanescu, I. Dumitru, D. Neagoie, Department of Mechanics, University of Craiova, ROM

CHAOTIC BEHAVIOR OF MECHANICAL VIBRO IMPACT SYSTEM WITH TWO DEGREES OF FREEDOM AND POSSIBILITIES OF CHAOTIC BEHAVIOR OF QUARTER VEHICLE MODEL  
M.Sc. Aleksandar Kostić, Prof. Dr. Milan Kosevski, Prof. Dr. Ljupčo Kočarev, Dr. Darko Danev, Dr. Igor Ćurković, Faculty of Mechanical Engineering, Skopje, MK

ASPECTS CONCERNING VIBRATIONS OF SUSPENSION AND RUNNING GEAR IN DIFFERENT TRAFFIC CONDITIONS  
Bogdan Mihaela-Liana, Faculty of Mechanics, Oțet Victor, Popa Dragos-Laurențiu, Dinca Liviu, Faculty of Electro-techniques, Craiova, ROM

COMPARATIVE LIFE CYCLE ASSESSMENT OF PASSENGER SEATS FOR DIFFERENT VEHICLE PLATFORMS  
Aleksandar Subić, Francesco Schiavone, Martin Leary, RMIT University, School of Aerospace, Automotive and Manufacturing Engineering, Melbourne, AUS

MAXIMISING DRIVABILITY OF A CVT HYBRID DRIVELINE BY POWERSHIFT AND DYNAMIC ENGINE START  
Prof. Dr.-Ing. Bernd-Robert Höhn, Dr.-Ing. Hermann Pflaum, Dipl.-Ing Thomas Dräxl, Lehrstuhl für Machinelemente, Technische Universität München, GER

IMPACT OF CLEARANCE TO THE LOAD OF ELEMENTS OF TRANSMISSION OF MOTOR VEHICLES  
Mgr. Milanko Damjanović, Prof. Dr. Radan Đurković, University of Podgorica, MNE

ESTABLISHING WORK INDEX PARAMETERS OF AGRICULTURAL MACHINES AND REDUCTION OF FUEL CONSUMPTION  
Ion Saracin, Olimpia Pandia, Facultatea de Agricultură Craiova, Gheorghe Marin, University Politehnică București, Florea Gheorghie, Galati University, Craiova, ROM

NONLINEAR WHOLE-BODY BIOMECHANICAL MODEL WITH 7 DEGREES OF FREEDOM FOR A SEATED HUMAN SUBJECT EXPOSED TO VERTICAL VIBRATION USING A GENETIC ALGORITHM  
Ass. Prof. Javad Barzbanjad, Amir Afkar, Automotive Engineering Department, Iran University of Science and Technology, Tehran, IRN

MULTI OBJECTIVE OPTIMIZATION WITH GENETIC ALGORITHM INCLUDING HUMAN BODY, SEAT AND SUSPENSION MODEL  
Ass. Prof. Javad Marzbanrad, Amir Afkar, Automotive Engineering Department, Iran University of Science and Technology, Tehran, IRN

VIBRATION OPTIMIZATION OF CVT PUSH-BELTS  
Ass. Prof. Behrooz Mashadi, Javad Baqersad, Department of Automotive Engineering, Iran University of Science and Technology, Tehran, IRN

**Language**

English is the official Conference language except for the Sessions in Serbian.

**Important Dates**

**April 14, 2009 @ 19h00** Registration – Serbian Academy of Science and Arts (SANU)  
**April 14, 2009 @ 19h00** Welcome Drink - SANU  
**April 15, 2009 @ 9h00** International Conference beginning – SANU  
**April 15, 2009 @ 20h00** Conference Dinner – Kalemegdan Terrasse  
**April 16, 2009 @ 18h00** International Conference Close – SANU

**Visa & Letters of Invitation**

Majority of participants will be allowed to enter Serbia without visa.

However, in order to avoid any misunderstandings, participants are kindly requested to visit [www.mfa.gov.yu/Visas/VisasR.htm](http://www.mfa.gov.yu/Visas/VisasR.htm) for an updated information concerning the visa regime for those wishing to enter Serbia or to contact the nearest Consular Offices or Diplomatic Missions of the Republic of Serbia in their country. Upon request, JUMV will provide personal invitation letter to any participants.

**Registration**

Registration fee will be € 375.00 for authors and € 400.00 for other attendees. Walk-ins to the conference will not be accepted.

Registration includes admission to Special & Technical Sessions, Conference Dinner, Welcome Drink, refreshment at Coffee Breaks and catered luncheons.

Note: VAT included, Local Bank handling cost not included.

Upon request, special registration fee rates will be offered to students, young engineers, JUMV trusted partners, etc.

In order to register, please download and fill-in the Registration form from

[www.jumv.org.rs/nmv2009](http://www.jumv.org.rs/nmv2009) or fill-in the enclosed Registration Form and mail/fax it to JUMV

Please make Money Transfer payment in EUR in accordance with the following instructions

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Payment by Cheque or Western Union Money Transfer is also appreciated.

**For more information please contact the JUMV by Phone, Fax or E-mail.**

Preliminary Programme

**Conference Venue**

22nd JUMV International Automotive Conference 2009 is hosted by Belgrade, the Capital of Serbia. The Conference venues for the International part of it will be SANU – Serbian Academy of Science and Art, SRB-11000 Belgrade, Kneza Mihaila 35.

**Advertising, Promotional & Sponsorship Opportunities**

All authors, the companies from where they come and other companies are invited to benefit the Advertising, Promotional & Sponsorship Opportunities of this Conference, which are tailored to fit their individual needs.

**For more information please visit [www.jumv.org.rs/nmv2009](http://www.jumv.org.rs/nmv2009) or contact the JUMV by Phone, Fax or E-mail.**

**Accommodation**

Accommodation is warmly recommended in the hotels within the walking distance from the Serbian Academy of Science and Arts, like

**Palace Hotel Beograd**, 4 star, 23 Topličin venac street, [www.palacehotel.co.yu](http://www.palacehotel.co.yu), email [office@palacehotel.co.yu](mailto:office@palacehotel.co.yu)  
**Royal Hotel**, 3 star, 56 Kralja Petra street, [www.hotelroyal.co.yu](http://www.hotelroyal.co.yu), email [toplice@net.yu](mailto:toplice@net.yu) and <http://www.hotels.co.yu>  
**Kasina Hotel**, 3 star, 35 Terazije street, <http://www.hotels.co.yu>

**For information concerning accommodation you may also contact the official JUMV Tour operator TOMAS Tours, SRB-11120 Belgrade, Miročka 6**

Phone: +381 11 3235-653, 3030-305, Fax: +381 11 3238-431

E-mail: [tomas@eunet.rs](mailto:tomas@eunet.rs), [www.tomas.co.rs](http://www.tomas.co.rs)

Contact person: Mr. Toma Stojic, General Manager

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**Conference Contact Information**

JUMV c/o Faculty of Mechanical Engineering

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Phone: (+381-11) 3370-358, 3370-652, 3302-288, 3302-288, 3302-390, 3340-762

Fax: (+381-11) 3370-652, 3370-364, 3228-079, or

E-mail: [cduboka@jumv.org.rs](mailto:cduboka@jumv.org.rs), [cduboka@eunet.rs](mailto:cduboka@eunet.rs), [sduboka@mas.bg.ac.yu](mailto:sduboka@mas.bg.ac.yu)

<http://www.jumv.org.rs/nmv2009>

# XXII NAUKA I MOTorna VOZILA 2009

## SCIENCE AND MOTOR VEHICLES 2009

JUMV International Automotive Conference with Exhibition



Please fill-in and fax this form to +381-11-3228-079 or Email it to [cduboka@eunet.rs](mailto:cduboka@eunet.rs)  
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**REGISTRATION FORM**

Name: \_\_\_\_\_ First Name: \_\_\_\_\_ Title: \_\_\_\_\_

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**Tick Category as appropriate:**

Delegate



Partner



Presenting author



Student



Co-author



Exhibitor

Arrival date: \_\_\_\_\_ Departure date \_\_\_\_\_



Congress Dinner on Wednesday, 15 April 2009 at a price of 50 € per person

Payment method preference:



Bank Money transfer



Western Union Money transfer



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Note: JUMV will confirm your registration details and provide you with the invoice and payment instructions within 48 hours upon receiving this Registration Form.

I have read and understood the cancellation policy



Signature, Date & place



Company stamp

**REGISTRATION CONDITIONS & CANCELLATION POLICY**

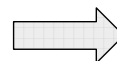
This form is an official purchase order. Failing payment registration fee on the day of the Conference at the latest JUMV regrets entry to the Conference will not be allowed.



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No charge for cancellations received before 1 March 2009. Cancellation received after 25 March 2009 will result in cancellation fee of 30% of registration fee. No refunds for cancellations after 10 April 2007. No charge for substitutions at any time.



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 JUMV will confirm your registration details and provide you with the invoice and payment instructions within 48 hours upon receiving this Registration Form.

Visit [www.jumv.org.rs/nmv2009](http://www.jumv.org.rs/nmv2009) for more information