2nd International Conference on
Vehicle and Automotive Engineering

23-25 May 2018
University of Miskolc, Hungary

vae2018.uni-miskolc.hu
e-mail: vae2018@uni-miskolc.hu
Main branches of topics of the conference:

A. Conventional Powertrain & Emission
   - Gasoline engines & emissions, Diesel engines & emissions, Transmissions, Simulation, virtual design and testing, Fuels & lubricants

B. Alternative Powertrains
   - Hybrid vehicles, Electric vehicles, Fuel cell vehicles

C. Vehicle Dynamics
   - Suspension, steering & brakes, Tyres, Advanced dynamic vehicle control, Advanced driver assistance systems, Stability

D. Materials & Manufacturing
   - Advanced materials & innovations in manufacturing, Forming, joining and casting technologies for metal parts, Coating, Wear, Corrosion protection and surface engineering, Fatigue, fracture, failure and testing of materials & structural parts, Prototype construction, Flexible processes, Supply chain & logistics

E. Vehicle Electronics
   - Engine control, Voice and motion recognition, Vehicle tracking and monitoring, Suspension control, Brakes management

F. Autonomous vehicles
   - Autonomous & connected vehicles, Artificial intelligence, Internet of Things (IoT), Applications in Smart Cities, Future Trends & Emerging Technologies

G. Noise & Vibration
   - Engine noise, Tyre noise, Other sources of noise, Measurement techniques, Simulation and analysis

H. Active and Passive Safety
   - Structural crashworthiness, Biomechanics, Test methods, Safety management, Accident reconstruction, Traffic and human factors, Fire safety

I. Sustainability
   - Standards & regulations, Design for environment, Virtual design & testing, Inspection & maintenance, Life cycle assessment, Recycling

J. Education
   - Vehicle and automotive engineering education, Dual training, Industrial practice, Educational aid

K. Design of Vehicle Structures & Surfaces
   - Geometric modelling, Design & construction of vehicle structures & surfaces, Evaluation & correction of vehicle surfaces, Computer, graphics and image processing in visualization and design, 3D printing & prototyping in vehicle development

L. Optimization
   - Topology optimization, shape optimization, sizing, Optimization methods, cost calculation

The conference language is English. One person can hold max. one lecture and one poster.

Publication of Papers
All papers are peer reviewed; accepted papers will be published in the Lecture Notes in Mechanical Engineering series published by Springer Verlag (indexed by Scopus), as for the previous conference. The homepage of the series is www.springer.com/series/11236. The proceedings will be available to all registered participants electronically upon arrival at the conference. Paper length is minimum 6 pages, maximum 15 pages.

Advertising
A poster section is available for companies that would like to present their activities related to the conference (poster size 1 m×2 m). Advertising may also be purchased in the program book. For more information, please contact the organizers.

University of Miskolc
The history of the university dates back to 1735, to the establishment of the world’s first higher education institution in technology, the Mining Academy of Selmecbánya, which represented special knowledge and value. Nowadays the university has nearly 10,000 students in seven faculties, including mechanical engineering & informatics, material science and earth science.

Important dates

<table>
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<tr>
<th>Event</th>
<th>Deadline</th>
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<tr>
<td>Call for papers</td>
<td>October 20, 2017</td>
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<tr>
<td>Abstract submission</td>
<td>November 15, 2017</td>
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<tr>
<td>Abstract acceptance</td>
<td>December 1, 2017</td>
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<tr>
<td>Full paper submission</td>
<td>January 20, 2018</td>
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<td>Full paper acceptance</td>
<td>May 23-25, 2018</td>
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The abstracts must be written and presented in English. The abstract must be between 300 and 500 words.

Registration fee:
- EUR 390 up to January 20, 2018 (EUR 330 for PhD students)
- EUR 490 Euro after January 20, 2018 (EUR 430 for PhD students)
- EUR 200 for accompanying persons

For further details, please contact:

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