



DVM'2016

The 3rd International Conference

DYNAMICS AND VIBROACOUSTICS OF MACHINES

Samara State Aerospace University



29.06-01.07 2016

The Samara State Aerospace University (SSAU) is pleased to announce the Third International Conference “**Dynamics and Vibroacoustics of Machines**” (DVM2016) will be held in Samara from **June 29 to July 01, 2016**.

The conference is arranged biennially and devoted to theoretical and experimental developments in Machine Dynamics and Control, Fluid Power Systems and Mechatronic Modules, solving problems of Noise and Vibration. It provides a real platform for exchanging ideas and solutions between academics and practitioners and intends to reflect the state-of-the-art in the area.

CALL FOR PAPERS

Abstracts of up to 2 pages should be submitted by February 29, 2016 via the conference website <http://dvm2016.ssau.ru/en>

Full papers of up to 10 pages will be required by April 01, 2016. All papers will be peer reviewed.

PUBLICATIONS

Papers in English will be published in Procedia Engineering, Elsevier BV, covered by Scopus database.

Papers in Russian can be published electively in journals:

- “Dynamics and Vibroacoustics”
- “Bulletin of the Samara State Aerospace University”
- “Proceedings of the Samara Scientific Center of the Russian Academy of Sciences”

The extended abstracts will be published in the conference proceedings and will be available at the conference.

CONFERENCE VENUE

The conference will be held at Renaissance Samara Hotel, about 15 min from SSAU and 20 min from the city center. Shuttle service will be provided between the hotel and SSAU giving opportunity to the conference attendees to visit some SSAU facilities: engines and aerospace museums and several research labs.

Samara is one of the largest industrial and cultural centers of Russia. It resides in 1000 km to the east from Moscow at a left side of the Volga River. Having almost 500 years history it has been the second capital of the Soviet Union during the WW2. Now it is large center of aerospace industry and plays an important role as economic and cultural center of Russia. A lot of historical buildings, museums and theatres, long sandy beaches and a rare fine riverwalk attract plenty of visitors all the year and more especially in summer. The cultural program of the conference includes guided tours and optional travel offers.

CONFERENCE DEADLINES

February 29, 2016

Submission of abstract

March 9, 2016

Notification of acceptance

April 01, 2016

Submission of full-length draft paper for review

April 30, 2016

Submission of revised paper

June 29 - July 01, 2016

Conference

TOPICS

- Fundamental problems of dynamics and vibroacoustics
- Modeling / simulation of dynamic and vibroacoustic processes
- System identification and modeling
- Fluid Power system dynamics and control
- Vehicle dynamics and control
- Robot dynamics and control
- Adaptive and optimal control
- Problems of noise and vibration
- Active and passive vibration and noise control
- Aero acoustics and hydro acoustics
- Fluid- structure interaction
- Mechatronic systems and unites
- Industrial hydraulics
- Mobile hydraulics
- Pneumatics for stationary and mobile application
- Digital Fluid Power
- Biomedical applications
- Condition monitoring and diagnosis
- Experimental techniques and equipment

CONFERENCE SECRETARIAT (for more information visit the Conference Website: www.dvm2016.ssau.ru/en)

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