Call for Interest

Second International Conference
Russian Academy of Cosmonautics
International Academy of Astronautics

SCIENTIFIC AND TECHNOLOGICAL EXPERIMENTS
ON AUTOMATIC SPACE VEHICLES AND SMALL SATELLITES
«SPEXP–2011»
Devoted by 50-th anniversary of Yury Gagarin’s flight in space

June, 27-30, 2011
Samara, Russia

Organized by
Samara State Aerospace University
(national research university)

State Research and Production Space-Rocket Center “TsSKB-Progress”

Volga Branch of RACTs
(Institute of Cosmonautics)

In collaboration with
Russian Federal Space Agency, European Space Agency,
The Government of the Samara Region
International Astronautical Federation,
International Association of Space Activities

Language
Conference languages are English and Russian

Objectives and grounds
The Conference is planned to be a forum of ideas exchange and results discussion in the different fields connecting with carrying out scientific and technological experiments on automate spacecraft
and micro satellites. At conference it is supposed to discuss also results of the experiments lead and offered to realization in conditions of a micro gravitation onboard automatic space vehicles, ensuring returning of scientific instrumentation to the Earth (such as "Bion/Foton", which are planned to launch in 2012-2015); capabilities of piggy back launching of microsatellites and implementation of auxiliary experiments at orbital stages of carrier rockets and busters; coordination of activities on realization of international educational space projects; discussion of plans of creation of scientific - educational microsatellites systems.

**Suggested topics**

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<th>Results of scientific experiments on automatic space vehicles (fluid physics, space physics, biology, biotechnology, thermophysical aspects, tether system, other fields)</th>
<th>Implementation of scientific programs on automatic space vehicles and small satellites (automatic space vehicles and small satellites design, scientific hardware and software design, telecommunications network, orbital navigation and control aspects, hardware for separating small satellites, other themes)</th>
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<td>Influence of space disturbing factors on scientific experiments (microgravity, electromagnetic fields, Earth's atmosphere, space exposure conditions, space debris and natural micro particles, external environment of space vehicle)</td>
<td>Advanced researches in space and new space technologies, education space projects</td>
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- Opportunities of piggy back launching and carrying out experiments on orbital stages and busters
- The examples of space experiments and researches applied applications

**Program**

The scientific program of SEXP-2011 consists of invited lectures and contributed oral presentations. Poster session will be organized, if the number of accepted papers exceeds capacity of rented rooms.

**Publications**

All contributions presented in oral and poster sessions will be published in the Conference Proceedings and CD. The Proceedings will be prepared directly from the papers supplied by authors, therefore careful preparation in accordance with instruction is required. Detail information will be contained at the conference web page [http://www.volgaspace.ru/SEXP2011](http://www.volgaspace.ru/SEXP2011) by November 1, 2011.

**Rules for abstract and paper preparation**

A complete manuscript in English should be prepared in both pdf and doc formats and submitted following detailed instructions presented at the conference web page. Full text of the abstract should occupy not more than four (but not less than one) A4 full pages including figures, tables, and references.

**Important Dates**

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<th>Event</th>
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<tr>
<td>November 1, 2010</td>
<td>Open of Conference Website</td>
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<tr>
<td>November 10, 2010</td>
<td>The distribution of official invitations</td>
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<tr>
<td>February 28, 2011</td>
<td>Abstract submission Date</td>
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<tr>
<td>March 15, 2011</td>
<td>Notification of Acceptance</td>
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<td>May 10, 2011</td>
<td>Final Paper Submission Date</td>
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**Contacts**

For further information about SEXP-2011 Conference please contact by e-mail acad@ssau.ru to Conference Coordinator Prof. Igor Belokonov (mobile +7 902 3714891)