AIM AND SCOPE

The aim of the conference is to provide an opportunity to share information and facilitate co-operation in mechatronics and new materials and dissemination of current research results in this multi-disciplinary field.

English will be the official language of the conference.

TOPICS

Mechatronic systems:
- robotics: industrial robots, micro-robots;
- mobile robots;
- unmanned aerial vehicles;
- teleoperation, tele-robotics, tele-operated semi-autonomous systems;
- sensors and actuators in mechatronics;
- control of mechatronic systems;
- analysis of vibration and deformation;
- integrated diagnostices;
- failure analysis;
- tribology in mechatronic systems;
- signal and image processing;
- measurement techniques.

Materials
(properties, modelling, manufacturing and processing):
- multifunctional and smart materials;
- metallic alloys;
- biomaterials;
- functional composites;
- adaptive materials;
- piezoelectric materials;
- nanomaterials;
- ceramics and glasses.

Education:
- new trends in mechatronic and material science education;
- new curricula concerning mechatronic systems and material science (both M.Sc. and B.Sc. degrees);
- teaching materials and laboratory facilities.
The 8th MSM2012 will take place in Białystok. With its population of nearly 300,000 inhabitants, Białystok is the biggest city in the northeastern Poland as well as the educational and economic center of the region called “the Green Lungs of Poland”. The city is spread out, with numerous parks, forests, and squares. The specific cultural climate of Białystok is mainly due to the centuries old multinational and multi-religious tradition. The whole region is dotted with Catholic, Orthodox, Muslim and Jewish temples.

The participants of the MSM2012 will have the opportunity to visit the most important Białystok tourists attractions such as the Branicki’s Palace, the Equirry’s House from 18th century, the City Hall, the modern Philharmonic Hall and sacral buildings, such as the neo-gothic cathedral of the Holy Virgin Mary, the 19th century Orthodox Church of St. Nicholas The Wonderworker.

More information about the city and the region please visit www.visitbialystok.com and www.wrotapodlasia.pl.

Similarly to the MSM2008, the participants of the MSM2012 are intended to take part in one of three excursions.

The Białowieża National Park: The last primeval forest in Europe. It is the last major refuge of the European bison (symbol of the natural lowland forest) as well as the home to many other rare species and 400 year old oaks. The Białowieża National Park is the UNESCO World Heritage Site and the Biosphere Reserve. The most important tourist attractions are: Modern Nature-Forest Museum and European bison Show Reserve, where visitors can see many wild animals, especially: Emperor of the Forest, the European bison, buffalo (a hybrid of domestic cow and European bison), Polish Horses, deer, wild pig family, and many more.


The Biebrza River Valley: The Biebrza River is called “Polish Amazon” because of its merging and separating riverbeds. The Biebrza River Valley is known for its Europe’s largest peat bogs and the habitat for elk. It is also known as a home to wolves, beavers and otters. The Biebrza National Park with unique variety of plants, birds and animals is the largest of the Polish national parks. The other tourist attraction is the “Underground Trip in the Osowiec Fortification”. Osowiec Fortress complex from the 19th century is arguably the most important monument of the Biebrza Valley. The Tsar for defense against the Germans erected this huge fortification complex, situated in the difficult to access marshes. For more information please visit www.bpn.org.pl or www.bramnahana.pl.

The multi-religious route: The route of the rich cultural heritage of the neighbourhood may provide visitors with many surprises, including discovering the traces of Orthodox, Muslim and Jewish presence. Supraśl is the most important cultural and religious centre with the monastic complex from the 17th century, assembled by monks with valuable paintings and manuscripts. The monasteries in Supraśl, 7th wonder in Poland has regained its glory and is important centre of Orthodox Church in Poland. Podlasie Tatar Route with villages like Boboszów and Kruszyń (where you can visit the last wooden Mosques), is a unique opportunity to get to know Tatar’s religion and culture. The visitors will also have the opportunity to get to know and try Tatar’s original cuisine.

**THE CONFERENCE VENUE**

**IMPORTANT DATES**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Deadline for abstract and registration</td>
<td>January 15, 2012</td>
</tr>
<tr>
<td>Notification of abstract acceptance</td>
<td>January 31, 2012</td>
</tr>
<tr>
<td>Submission of full papers</td>
<td>March 15, 2012</td>
</tr>
<tr>
<td>Notification of paper acceptance</td>
<td>April 30, 2012</td>
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<tr>
<td>Deadline for registration fee payment</td>
<td>May 15, 2012</td>
</tr>
</tbody>
</table>

**There is still time to submit papers to MSM2012.**

**If you would like to attend the conference, please send a one page abstract and a 6 page paper to msm2012@pb.edu.pl**

**Templates for abstracts and papers can be found at www.msm2012.pb.edu.pl**

**CONFERENCE FEE**

<table>
<thead>
<tr>
<th>Category</th>
<th>Before May 15, 2012</th>
<th>After May 15, 2012</th>
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<tbody>
<tr>
<td>Participant (verbal &amp; poster)</td>
<td>300 € / 1 400 PLN</td>
<td>350 € / 1 600 PLN</td>
</tr>
<tr>
<td>Student</td>
<td>250 € / 1 200 PLN</td>
<td>300 € / 1 400 PLN</td>
</tr>
<tr>
<td>Accompanying Person</td>
<td>200 € / 900 PLN</td>
<td>250 € / 1 200 PLN</td>
</tr>
<tr>
<td>Additional paper</td>
<td>150 € / 700 PLN</td>
<td>150 € / 700 PLN</td>
</tr>
</tbody>
</table>

Payment for overseas participants should be made in Euro. Payment for home participants should be made in Polish Zloty.

Selected reviewed conference papers will be published in “Solid State Phenomena”

www.sciencedirect.com

Other reviewed papers will be published in “Acta Mechanica et Automatica”

www.acta.mechanica.pb.edu.pl

One-page abstract will be published in the Proceedings before the Conference.

Cancellation received before May 15, 2012 will be subjected to 50 € administration charge. After this date the registration fees are non-refundable.

**REGISTRATION FORM**

I intend to participate in

**THE 8TH INTERNATIONAL CONFERENCE**

**MECHATRONIC SYSTEMS AND MATERIALS**

**First name:**

**Family name:**

**Title:**

**Affiliation:**

**Address:**

**Phone:**

**Fax:**

**E-mail:**

**Proposed paper title:**

**Name of topic:**

**Co-authors:**

- [ ] without paper presentation
- [ ] oral session
- [ ] poster session

I agree to add my personal data to conference’s database.

**Date:**

**Signature:**

**FOR ACCOMMODATION AND MORE INFORMATION SEE:**

www.msm2012.pb.edu.pl