



June 2-June 6, 2014, Riga, Latvia

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Please see the Conference website

for more details:

<http://www.pmi.lv/html/EnConferenceAbout.html>

THE CONFERENCE VENUE is Semarah Hotel Lielupe (64/68 Bulduru Av., Bulduri) in the resort town Jurmala, a narrow strip of land between the Riga Gulf and the Lielupe river. The venue is located 20 km from the centre of Riga, 15 km from the central airport, as well as 500 m from the railway station Bulduri and 200 m from the sandy beach.

VISA REQUIREMENTS

On 21 December 2007 Latvia acceded to the Schengen Agreement. It is advisable that participants, who need a visa, apply for it at the closest Latvian Embassy or Consulate prior to the travel. We can to help by forming an Official Invitation needed for receiving a visa. Please see website of Ministry of Foreign Affairs of Latvia: <http://www.am.gov.lv/en/service/visas> for more information.

ACCOMMODATION

The participants are generally supposed to accommodate at the Conference location, the Semarah Hotel Lielupe *****. It is also possible to accommodate in Riga at the Radisson Blu Daugava Hotel***** or Radisson Blu Hotel Latvija ***** or Konventa Seta*** or others. Please see website <http://www.hotel.lv> for more detail

REGISTRATION FEES

Before March 1, 2014 — 500 EUR.
After March 1, 2014 — 550 EUR.
On site — 650 EUR.

Students (a copy of valid certificate should be send together with payment) and accompanying persons — 250 EUR. Registration fee for students on site 300 EUR.

The registration fee includes the book and CD of conference abstracts, coffee breaks, reception, lunches, and conference dinner.

In case of nonappearance, please, inform us before April 15, 2014. After that date, only 100 EUR of the registration fee will be returned.



2nd Announcement

XVIII INTERNATIONAL CONFERENCE ON MECHANICS OF COMPOSITE MATERIALS

**Devoted to the 50 Anniversary of
the Institute of Polymer Mechanics
University of Latvia
June 2 –June 6, 2014, Riga, Latvia**

ORGANIZED AND SPONSORED BY



Institute of Polymer Mechanics



University of Latvia

Latvian Academy of Sciences



Latvian Council of Science

Latvian National Committee for
Mechanics



Riga Technical University



Journal *Mechanics
of Composite Materials*



CENTRE COMPOSITE
JOINT VENTURE OF LNK GROUP AND PROGRESSTECH

Scientific Enterprise *Lakomp*

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J. Jansons, Institute of Polymer Mechanics,
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D. Zamanov (*Azerbaijan*)

LOCAL ORGANIZING COMMITTEE

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J. Andersons, K. Aniskevich, M. Auziņš, J. Brauns, A. Čate,
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I. Knēts, A. Krasņikovs, A. Lagzdīņš, R. Maksimov,
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GENERAL PROGRAMME SCHEDULE

June 2 — registration, welcome reception
June 3 — the Conference opening, oral sessions
June 4 — oral sessions, poster session
June 5 — oral sessions, conference dinner
June 6 — oral sessions, the Conference closure

THE CONFERENCE PROGRAMME will be published on the
Conference website and e-mailed before the Conference.

THE CONFERENCE LANGUAGE will be English.

CONFERENCE THEMES

1. Structure and Properties of Constituents

Properties of polymeric, metallic, and ceramic matrices
Properties of fillers, nanoparticles, and organic and natural
reinforcing fibers;
Role of interface, measurements, and optimization

2. Time- and Environment-Dependent Properties and Durability

Long-term properties, creep, and aging
Environmental effects
Prediction of long-term deformations

3. Strength, Fracture, Damage, and Fatigue

Interaction and sequence of inter- and intralaminar damage
and failure in composites
Measurements of fracture toughness
Delamination of laminates
Fatigue under complex loading histories
Prediction of fatigue lifetime and accelerated tests

4. Structures

Methods of optimization of composite structures
Sandwich structural and joint design
Intelligent systems
Active and passive control systems
Damage monitoring in structures and seismic design

5. Composite Materials Application in Aeronautics and Space

Properties of composite materials
Finite element modeling (FEM)
Production and maintenance aspects

6. Composites in Civil Engineering and Infrastructure

Fiber-reinforced plastics for concrete structures
Polymer composites for renovation of structures
Polymers in concrete

7. Mechanical Aspects of Technology

Resin infusion processes
Flow of nonlinear polymer melts in porous media
Recycling of advanced composites

8. Biomechanics

Mechanics of biological tissues
Prosthesis of biological organs

A BOOK OF ABSTRACTS AND CD (in English) will be
available at the Conference opening.

FULL PAPERS may be submitted in English or Russian, and
after proper reviewing they will be published in the journal
Mechanics of Composite Materials.

THE CONFERENCE HALL is well provided for PowerPoint
presentations, and stands of A1 format portrait orientation
(594×841 mm) for posters and exhibits will be available.
Please see the Conference website for more details including the
information about the previous conference MCM

<http://www.pmi.lv/html/EnConferenceAbout.html>

MAIL OR FAX TO THE ADDRESS GIVEN ON THE OTHER SIDE

REGISTRATION FORM

(please type or write in block letters)

Title/name _____

Organization (attach your namecard if available) _____

Mailing address _____

Tel.: _____ Fax: _____

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METHOD OF PAYMENT

Bank transfer to
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for Institute of Polymer Mechanics