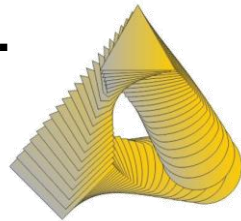


CALL FOR ABSTRACTS

16th international conference on

LOCAL MECHANICAL PROPERTIES 2024



LMP 2024

29th - 31st May 2024

Prague, Czech Republic

lmp-conference.cz



Organized by:



Czech Technical University in Prague,
Faculty of Nuclear Sciences and Physical
Engineering, Czech Republic

SCOPE

The Sixteenth International Conference on Local Mechanical Properties will be held in Prague, Czech Republic, from Wednesday, May 29, to Friday, May 31, 2024. This year, the conference is organized by the Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Czech Republic.

Following a long tradition and the success of the preceding events, LMP has become a well-established forum in the field of local mechanical testing.

The conference will discuss recent results of research and development in the field of materials engineering, experimental methods, modeling, etc., with the aim to characterize mechanical properties of materials from nano to micro/meso-scale.

Contributions on indentation and other methods for mechanical properties characterization, measurement of deformations and stresses, time-dependent properties with related microstructure analyses (TEM/SEM, AFM, TERS, XRD, etc.) regardless of material type (metals, ceramics, plastics, biomaterials, concrete, etc.) are welcome. Contributions containing a combination of the techniques and micro-structurally motivated material models are highly appreciated. However, the contributions related to global mechanical properties are out of the scope of the conference.

CALL FOR ABSTRACTS

The Conference will include invited lectures, oral and poster presentations. Prospective authors are invited to send a short abstract first. The submission of abstracts is solicited for oral or poster presentation. One page abstracts should be submitted by **January 31, 2024**. The guidelines for authors are available on the conference webpage.

VENUE

The conference will be held at the **Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Břehová 7, Prague 115 19, Czech Republic.**

<https://www.fifi.cvut.cz/en/>



The symposium venue is located in the heart of Prague with unique genius loci, easily accessible by public transportation.

Prague, the capital of the Czech Republic, is a romantic city with a uniquely preserved historic core. Situated in the heart of Europe the city has become a center of various activities including business, arts, politics and sciences. It has been continuous magnet for tourists due to many attractions including Prague Castle, the seat of Bohemian Kings since 12th century and now the seat of the Czech President, Charles Bridge, Old Town Square with the Prague astronomical clock, the Jewish Quarter, Vyšehrad castle and many others. Most of these architectural gems have been meticulously renovated and restored. Prague is also a city of modern architecture surrounding the city center.



IMPORTANT DEADLINES

Abstract submission and registration	January 31, 2024
Confirmation of accepted abstracts	February 15, 2024
Early bird registration & payment	February 29, 2024
Registration & payment	April 30, 2024
Full text submission	May 31, 2024
Conference	May 29-31, 2024

CONFERENCE PROCEEDINGS

Accepted contributions will be reviewed and published in open access journal Acta Polytechnica CTU Proceedings. The issue will be indexed by DOAJ database and Web of Science/Scopus database.

BEST POSTER COMPETITION

Young scientists and authors are encouraged to join the poster competition held during the conference. Three outstanding posters will be awarded.

EXHIBITION AND SPONSORS

During the Conference there will be an opportunity to exhibit the laboratory equipment related to the topics of the meeting. Interested exhibitors are asked to contact the organizing committee of LMP 2024.

ACCOMMODATION

Various categories of accommodation are disponible for conference participants near the conference location. Participants are requested to arrange the accommodation themselves.

CONFERENCE LANGUAGE

The official conference language is English. All oral or poster presentations, as well as abstracts and manuscripts are requested in English.



A special session devoted to the members of MecaNano COST Action (European Network for the Mechanics of Matter at the Nano-Scale) will be organized.

CONFERENCE FEE

9 000 CZK (360 EUR) before 29 February 2024 (early bird).
10 000 CZK (400 EUR) after 29 February 2024.

Conference fee includes conference materials, preparation, and publishing of Conference proceedings, Book of abstracts and refreshment during the breaks. The details are available on the conference webpage.

CHAIR OF THE CONFERENCE

Jaroslav Čech, Assistant Professor at Czech Technical University in Prague

INVITED & KEYNOTE SPEAKERS

Dr. Marc Legros, Prof. Benoit Merle
Dr. Megan Cordill, Prof. Guillaume Kermouche,
Prof. Andreas Mortensen

SCIENTIFIC BOARD

Dr. Jiří Buršík (CZ), Dr. Vilma Buršíková (CZ)
Dr. Megan Cordill (AT), Dr. Jaroslav Čech (CZ)
Dr. Radim Čtvrtlík (CZ), Prof. Petr Haušild (CZ)
Dr. Šárka Houdková (CZ), Prof. Guillaume Kermouche (FR)
Prof. Vincent Keryvin (FR), Dr. Marc Legros (FR)
Dr. František Lofaj (SK), Prof. Aleš Materna (CZ)
Prof. Jaroslav Menčík (CZ), Prof. Benoit Merle (DE)
Prof. Andreas Mortensen (CH), Dr. Radek Mušálek (CZ)
Prof. Jiří Němeček (CZ), Prof. Ladislav Pešek (SK)
Prof. Michael Swain (AUS), Dr. Pavol Zubko (SK)

LOCAL ORGANIZING COMMITTEE

Jaroslav Čech, Petr Haušild, Jiří Němeček

CONTACT

Jaroslav Čech, Czech Technical University in Prague,
Faculty of Nuclear Sciences and Physical Engineering,
Trojanova 13, 120 00 Praha, Czech Republic
imp@imp-conference.cz, Tel: +420 778 534 326