

VSb-Technical University of Ostrava,  
Faculty of Materials Science and Technology,  
Centre for Advanced Innovation Technologies  
& Yokohama National University

present the Tenth International Workshop

# NEW METHODS OF DAMAGE AND FAILURE ANALYSIS OF STRUCTURAL PARTS

October 14 - 18, 2024  
Ostrava, Czech Republic

<http://konference.fmt.vsb.cz/CPIT2024/>

## Main Conference Topics

Damage and reliability of structural parts in service  
Degradation processes in materials  
Failure analysis of engineering parts  
Instrumented Indentation Technique  
Materials for medical applications  
Monitoring and toxicity of materials  
Nanostructured materials  
Steel production and treatment technology  
Transfer of materials research results into industry

## Special Themes

Health Technologies  
Construction and Building Materials

## Important Dates

Deadline of registration: **May 31, 2024**  
Deadline of submitting abstract: **June 30, 2024**  
Deadline of payment: **July 31, 2024**

## Registration

Category	Registration fee
Monday - Tuesday	
Student*	500 CZK / USD 25
Participant	6 000 CZK / USD 300
Monday - Friday	
Participant	18 000 CZK / USD 900

\* Students of VSB-TUO have free admission

Only the registration fee version Monday - Friday includes full service, accommodation and tour. Payment should be made before **July 31, 2024 by bank transfer only**. The bank details for the transfer are as follows:

Account holder: VSB-TUO  
Branch name: CSOB a.s.  
Address: Hollarova 5, 702 00 Ostrava  
Account number: 127089559/0300  
Payment type code: 6602401  
IBAN: CZ230300 0000 0001 2708 9559  
Swift code: CEKOCZPP

\* All transaction fees must be paid by the applicants.

## Abstract Submission

Contributions must be prepared according to the abstract template available on the conference web site. The submission deadline is **June 30, 2024**. Please send your paper to e-mail address: [cpit.conference@gmail.com](mailto:cpit.conference@gmail.com)

## Conference Language

All lectures at the conference main section will be presented in English. The expected length of each presentation is approximately 20 minutes.

## Organizing Committee

### MAIN SECTIONS

**Prof. Ing. Bohumir Strnadel, DrSc.**,  
VSB-Technical University of Ostrava (Chair)  
**Prof. Osamu Umezawa**,  
Yokohama National University (Co-chair)  
**Prof. Makoto Hasegawa**,  
Yokohama National University  
**Doc. Ing. Jan Siegl, CSc.**,  
Czech Technical University in Prague  
**Prof. Ivo Dlouhý, CSc.**  
Brno University of Technology

### HEALTH TECHNOLOGIES

**Mgr. Kristina Čabanová, Ph.D.**  
VSB-TUO (Chair)

### CONSTRUCTION AND BUILDING MATERIALS

**Doc. Ing. Bc. Oldřich Sucharda, Ph.D.**  
VSB-TUO (Chair)

### STUDENTS SECTIONS (PHD)

**Doc. Ing. Kateřina Skotnicová, Ph.D.**, VSB-TUO

### The secretariate

**Ing. David Dvořák**, VSB-TUO  
**Ing. Klára Drobíková, Ph.D.**, VSB-TUO

## Advisory Board

**Dr. Kunio Hasegawa**, Japan Atomic Energy Agency  
**Prof. Hiroshi Fukutomi**, Yokohama National University

## Executive Committee

**Prof. Wataru Nakao**, Yokohama National University  
**Prof. Tadahiro Shibutani**, Yokohama National University  
**Prof. Equo Kobayashi**, Tokyo Institute of Technology  
**Prof. Petr Haušild**, Czech Technical University in Prague

## Contact Address

VSB-Technical University of Ostrava,  
Centre for Advanced Innovation Technologies,  
17. listopadu 2172/15,  
708 00 Ostrava-Poruba, Czech Republic

## Workshop Chair

**Prof. Ing. Bohumír Strnadel, DrSc.**

E-mail: bohumir.strnadel@vsb.cz  
Phone: +420 737 437 420

## Program at a Glance

### Monday, October 14th, 2024

09:00 - 10:00 ..... Registration  
10:00 - 11:30 ..... Opening ceremony  
11:45 - 12:45 ..... Lunch  
13:00 - 14:00 ..... MATUR meeting  
13:00 - 18:00 Lectures  
Companies presentations

### Tuesday, October 15th, 2024

09 – 17:00 Lectures  
Companies presentations

### Wednesday, October 16th, 2024

09 – 13:00 Lectures  
Companies presentations

### Thursday, October 17th, 2024

09:00 Departure from the campus to Vizovice  
12:00 - 13:00 Lunch  
14:00 - 15:30 Distillery tour (Rudolf Jelinek)  
17:00 Accommodation in Luhačovice  
20:00 Dinner, discussion

### Friday, October 18th, 2024

09:00 ..... Discussion  
11:00 ..... Conference closing

## VISA

If you are requesting an invitation letter, please send your justification to conference secretary:

[david.dvorak@vsb.cz](mailto:david.dvorak@vsb.cz)

## Transportation

Please inform our conference secretary to e-mail address ([david.dvorak@vsb.cz](mailto:david.dvorak@vsb.cz)) about your arrival time in Ostrava and your scheduled departure. We can pick you up from Ostrava-Svinov Railway Station.



## Accommodation

Conference participants will be accommodated at the University Hotel (dormitory of VSB-TUO) in single or double rooms (about 10 minutes' walk from the conference lecture rooms)

Thursday/Friday Hotel in Luhačovice  
([www.adamantino.cz](http://www.adamantino.cz))

## Conference Venue

Door number:

- UA 2 – Opening ceremony
- UA 4 and UA 5 - Main Sections
- UA 3 - Special Themes Sections
- UA 178 - Students Sections



## Proceeding

Conference proceedings will be sent into Trans Tech Publications Ltd.

**The conference is realized within the framework of the projects:**

**Damage Prediction of Structural Materials**  
(No. CZ.02.1.01/0.0/0.0/17\_048/0007373)

&

**Innovative Therapeutic Methods of Musculoskeletal System in Accident Surgery**  
(No. CZ.02.1.01/0.0/0.0/17\_049/0008441)

&

**Materials and Technologies for Sustainable Development - MATUR**  
(No. CZ.02.01.01/00/22\_008/0004631)



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