



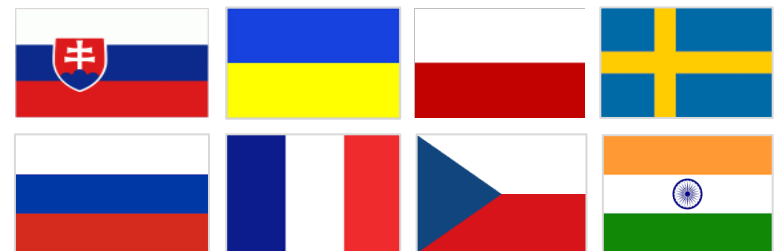
# Thermophysics 2020

September 7th – 9th, 2020

Congress Center Smolenice SAS, Smolenice, Slovakia

## Conference programme

25th meeting of THERMOPHYSICS





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## Monday, September 7, 2020

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**11:00 – 14:30 Conference registration**

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**13:00 – 14:15 Lunch**

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**14:30 Conference opening**

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**14:40 Invited lecture (60 minutes)**

**chairman Oldřich Zmeškal**

**Bimal Kumar Sarkar and Sukriti Sarkar**

PHOTOACOUSTIC SPECTROSCOPY: A TOOL FOR OPTICAL PROPERTIES STUDY

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**15:40 Lectures (20 minutes)**

**Oldřich Zmeskal, Lucie Marackova, Tereza Lapcikova, Premysl Mencik  
and Radek Prikryl**

THERMAL PROPERTIES OF PLA FOR 3D PRINTING

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**16:00 Coffee break (20 minutes)**

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**16:20 Invited lecture (40 minutes)**

**chairman Peter Matiašovský**

**Ondrej Jankovský**

UNIQUE PROPERTIES OF LAYERED INORGANIC MATERIALS



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**17:00 Lecture (20 minutes)**

**Mattias Gustavsson and Vlastimil Boháč**

THERMAL CONDUCTIVITY TESTING OF INHOMOGENEOUS AND HETEROGENEOUS MATERIALS  
WITH THE HOT DISK AND HOT STRIP TECHNIQUE

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**19:00 Dinner**

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## Tuesday, September 8, 2020

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### 9:00 Lectures (4 × 20 minutes)

chairman **Zbyšek Pavlík**

#### **Vlastimil Boháč, Gabriela Pavlendová, Rupali Tiwari and Peter Šín**

THERMOPHYSICAL PROPERTIES OF CONCRETE COMPOSITES MIXED WITH WASTE MATERIALS MEASURED BY THE PULSE TRANSIENT METHOD USING USING SLAB AND CUBOID MODELS

#### **Rupali Tiwari, Vlastimil Boháč, Pter Dieška and Gregor Götzl**

THE INFLUENCE OF SURFACE ROUGHNESS ON THE MEASUREMENT OF THERMOPHYSICAL PROPERTIES OF NATURAL STONES

#### **Jiří Vala**

REMARKS TO THE COMPUTATIONAL ANALYSIS OF SEMILINEAR DIRECT AND INVERSE PROBLEMS OF HEAT TRANSFER

#### **Peter Mihálka and Peter Matiašovský**

NUMERICAL SIMULATION OF PHOTOVOLTAIC CELLS COOLING BY HONEYCOMB PCM STRUCTURE IN REAL CLIMATIC CONDITIONS

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### 10:20 Coffee break (20 minutes)

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### 10:40 Lectures (4 × 20 minutes)

chairman **Vlastimil Boháč**

#### **Anna-Marie Lauermannová, Michal Lojka, Filip Antončík and Ondřej Jankovský**

SYNTHESIS AND CHARACTERIZATION OF MAGNESIUM OXYBROMIDE  $Mg_2(OH)_3Br \cdot 4 H_2O$



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#### **Michal Lojka, Tomáš Hlásek, Filip Antončík, Anna-Marie Lauermannová and Ondřej Jankovský**

SPS OF YBCO PRECURSOR FOR THE TOP-SEEDED MELT GROWTH

#### **Kryštof Skrbek, Vilém Bartůněk, David Sedmidubský and Ondřej Jankovský**

IMMOBILIZATION OF CERIA NANOPARTICLES BY FORMATION OF  $CeO_2/SiO_2$  COMPOSITES

#### **Adam Pivák, Milena Pavlíková, Martina Záleská and Zbyšek Pavlík**

THERMOPHYSICAL PARAMETERS OF MOC-BASED COMPOSITE WITH FLY ASH ADMIXTURE

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### 12:30 Lunch

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### 13:30 Cultural programme

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### 18:30 Conference dinner

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## Wednesday, September 9, 2020

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### 9:30 Lecture (2 x 20 minutes)

chairman **Peter Matiašovský**

**Milena Pavlíková, Martina Záleská, Šimon Marušiak, Danuta Barnat-Hunek, Grzegorz Łagód and Zbyšek Pavlík**

IS TDR METHOD APPLICABLE FOR MOISTURE CONTENT MEASUREMENT IN SALT LADEN MATERIALS?

**Milena Pavlíková, Adam Pivák and Zbyšek Pavlík**

HIGH TEMPERATURE DILATOMETRIC MEASUREMENT OF MOC

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### 10:10 Coffee break (20 minutes)

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### 10:30 Closing session

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### 12:00 Lunch

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## List of participants

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