



The 2nd European NDT & CM Days in Prague (**4-8 October 2021**) will consist of – 11th workshop NDT in Progress, International conference NDE & CM for Safety, 51st annual CNDT conference Defektoskopie 2021 and NDT & CM Expo. During these days you can visit four different events at the Cubex centre Prague. It will be an exceptional opportunity to meet people interested in research & development, as well as in practice, standardization and the application of all NDT/NDE, CM and SHM methods with an emphasis on areas of modern Industry.

These “Days” will be one of the most important NDT, CM, SHM and related branches European events in 2021. We hope that the 2nd European NDT&CM Days 2021 will not only be an opportune time for exchanging research findings but also an occasion for strengthening existing contacts and establishing new ones for all participants. Naturally, seminars, workshops, excursions and other social events will be organized.

### **TOPICS**

#### **NDT Progress**

The workshop is traditionally focused on the presentation and discussion of new emerging trends in selected areas of NDT. Main topics of the Workshop will cover (not only):

- Acoustic & ultrasonic methods; acoustic emission; guided waves; phased arrays
- Radiographic methods; infrared & terahertz waves testing

- Electromagnetic & magnetic methods; optical methods & defects imaging
- Signal & Image processing; nonlinear methods; inverse problems; time reversal
- Structural health and condition monitoring (SHM/CM)
- Numerical simulations and modeling in NDT/NDE
- NDT for Industry 4.0 and additive manufacturing

### **NDT & CM for Safety**

Specialists in all CM, NDE/NDT topical areas are welcome to showcase their applications and findings. Recent developments in the area of education, certification, accreditation and standardization will be also discussed. Conference structure: Invited Keynote lectures on Various NDT and CM Topics, Regular Parallel Sessions in all NDT, NDE and CM methods and application areas. Main areas:

- Power Generation and Energy Resources (Nuclear, Fossil, Regenerating)
- Chemical / Petrochemical industry
- Pressure Vessels and Pipelines (Production and In-Service Inspection)
- Transportation (Railway, Aeronautic and Aerospace, Marine)
- Metallurgy
- Mining
- Wood and pulp industry
- Residual Life Prognosis
- Process Monitoring and Control
- Corrosion
- Welding and Bonds
- Science and Research of Materials characterization
- Microstructure Fracture and Degradation of Materials
- Concrete Structural Health and Condition Monitoring
- Structural and Machine Health Monitoring
- Artificial Intelligence in Diagnostics and Monitoring
- Condition Based Maintenance
- Public Safety
- Conservation and Restoration in Art and Architecture
- General Education
- Training and Certification Standardization etc.

### **Defektoskopie**

This event will be organized as an 51st international annual meeting of the Czech society for NDT. All technical papers at the conference will be presented in Czech or Slovak (potentially in English and Russian) languages. The conference is aimed at all topics of non-destructive testing and condition monitoring of materials and structures in all areas of technical activities.

Written by Administrator

Wednesday, 06 January 2021 11:09 - Last Updated Wednesday, 06 January 2021 11:15

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**Abstract submission will be open on 1 February 2021 - <https://www.endtcm21.com/abstract-submission/>**

**Registration for the conference will be open on 1 February 2021 - <https://www.endtcm21.com/registration/>**