Traditional international conference New Methods 2024
Prague, 21 – 22 October 2024

workshop
Possibilities of AI in forensic field
23 October 2024

MEETING VENUE

SPIRITKA – representative establishment of the Ministry of Interior of the CR
Address: Atletická 2352/11, Prague 6

CONFERENCE PROGRAM

Conference is traditionally organized for specialists, who are interested in news in forensic science field and material science.
Suggested next topic of the meeting – news in:

- X-ray imaging
- Possibilities of AI in forensic science field
- Hyperspectral a multispectral imaging
- 3D imaging in forensic science
- Optical microscopy and Image analysis
- Scanning electron microscopy and focused ion beam technology
- Spectroscopy method
- Forensic analyses of Works of Art
- Infrared mapping and imaging
- Particle analyses, 3D imaging, measurement and reconstruction
- Trace analysis
- etc.

This year's conference will focus, among other things, on the results from the project "Advanced robotic multimodal system for non-destructive forensic material analysis".
Analysis and characterization of 2D and 3D objects is widely used forensics and materials research (investigating the causes of industrial accidents and explosions, accidents in aviation and automobile transport, investigating the causes of fires, etc.). Similar methods are also used in the analysis of suspected forgeries of art objects (paintings, plaques, sculptures). One of the options is the use of robotic scanners with various multimodal detectors (X-ray scanner with other analytical modalities - XRD, XRF, multispectral imaging and others). Robotic scanners system explore new approaches to both 2D and 3D X-ray imaging and CT, especially in combination with photon-counting detectors.

The conference will continue with a workshop (Wednesday 23 October) dedicated to the possibilities of AI in forensic field.
Artificial Intelligence (AI) can innovate the field of forensic analysis for example with exact and error-free evaluation of big data produced by modern analytical systems. Exact data evaluation, anomaly detection and match design is becoming beyond the capabilities of the operator/expert (e.g. to detect tiny differences between the original and the suspect trace) - the application of customized AI software for real-time processing of datasets and anomaly finding.

Presentations with accent for actually technical news and methods in forensic science field are welcome. As well as case work presentations. Lecture should have orientation for applications, without any accent for concrete company.

LUNCHES AND DINNERS

Coffee breaks & lunches are included in the conference package.

CONFERENCE FEE

Conference is free for all participants

Language: The official language of this conference is English and Czech, bidirectional translation will be provided

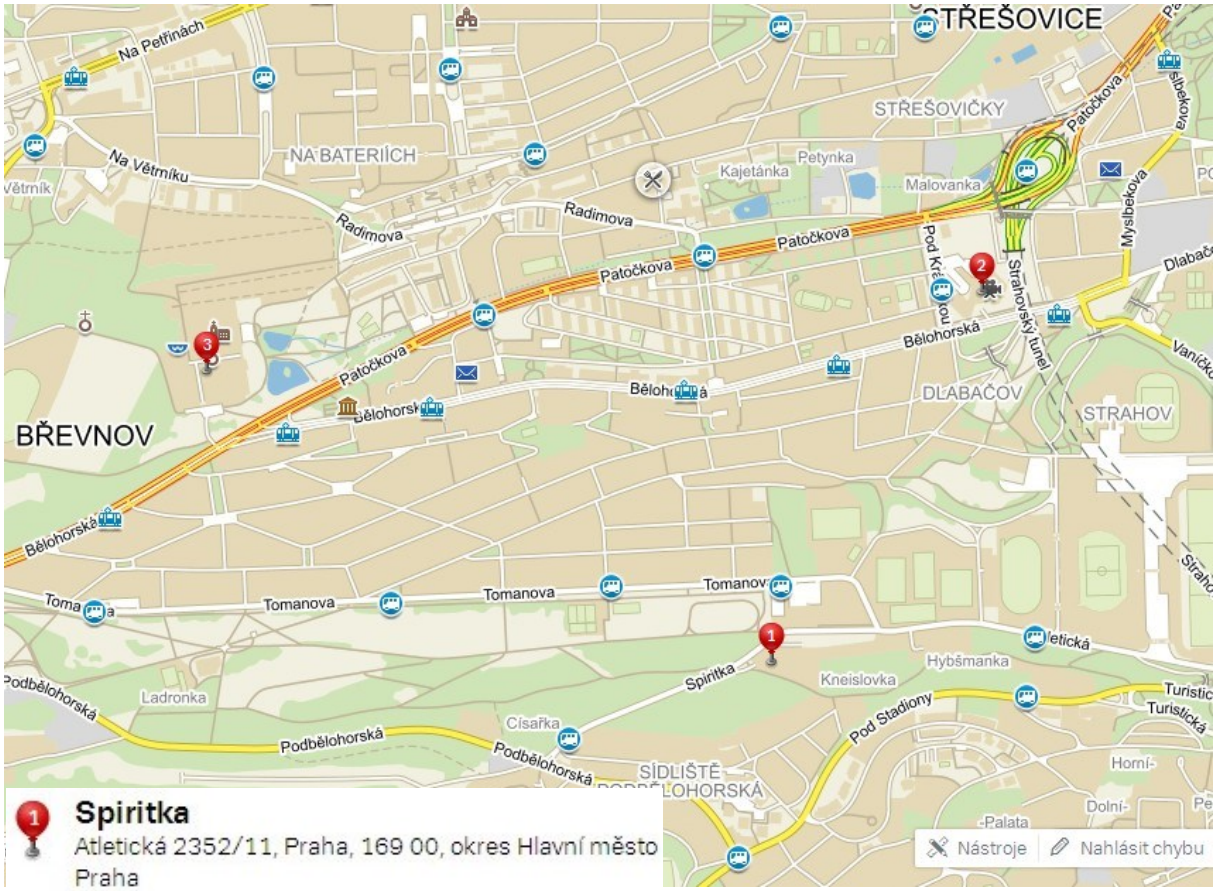
Further information will be updated on the website

https://vyzkum01.pcr.cz/forensic_conference2024

VISA REQUIRMENTS

Please visit the site of the Ministry of Foreign Affairs in order to verify your visa requirements.
www.mzv.cz
Should you require more information, or invitation letters, please contact e-mail: marek.kotrly@pcr.cz

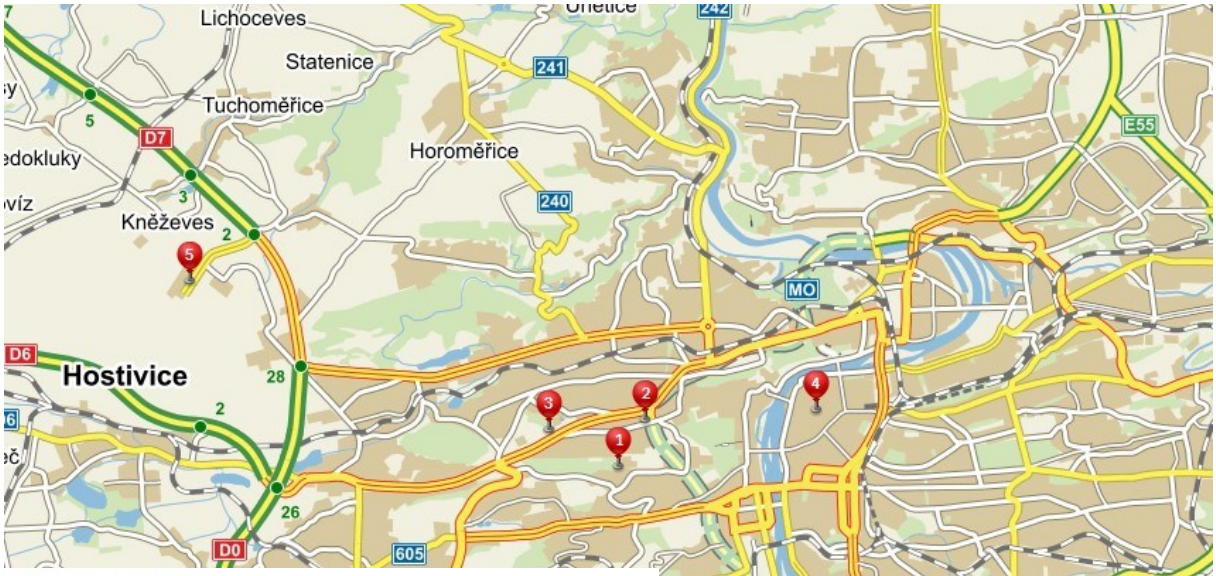
Maps:



1 Spiritka
Atletická 2352/11, Praha, 169 00, okres Hlavní město Praha
50.0786428N, 14.3736536E

2 Hotel Pyramida
Bělohorská 125/24, Praha, 169 00, okres Hlavní město Praha
50.0858806N, 14.3800528E

3 Hotel Adalbert
50°5'3.585"N, 14°21'23.420"E
50.0843292N, 14.3565056E



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4 **Prague Centre**
ulice Staroměstské náměstí, Praha, okres Hlavní město Praha
50.0873583N, 14.4213828E

5 **Prague airport**
ulice Aviatická, Praha, okres Hlavní město Praha
50.1075006N, 14.2694169E

Should you have any questions, please contact us:

Marek Kotrlý
Institute of Criminalistics
e-mail: marek.kotrly@pcr.cz
phone: +420 974 824 406