



3D DIGITAL SILK ROAD
(PPI/APM/2019/1/00004)
INTERNATIONAL ACADEMIC PARTNERSHIPS PROGRAMME

Training: Scanning Large Object

Dates: May 23-27 (Monday-Friday) 2022

Number of hours: 5 days * 8 hours = 40 hours

Number of people: 12, 3 people each from 4 university in Uzbekistan - Project Partners

Training topics:

1. Basic concepts of 3D graphics: VR, AR, MR and 3D printing.
2. 3D modeling of architectural objects.
3. 3D scanning of architectural objects.
4. Processing of the point cloud from the 3D scanning process.
5. Digital use of 3D models - VR walks, virtual tours, interactive panoramic photos.

Teaching materials:

The materials are available in two language versions: Russian / English.

Training program:

DZIEŃ	MIEJSCE, ZAKRES, WYKŁADOWCY	
Day 1, Monday 23-05-2022	9:00-11:15 (3 h) 11:15-11:30 11:30-13:00 (2 h) 13:00-14:00 14:00-16:15 (3 h)	Building CliZT, room 403 E. Miłosz, M. Dzieńkowski: <i>organizational matters</i> <i>Welcome:</i> D. Czewiński - Vice-rector for general affairs and development, M. Miłosz, E. Łukasik: <i>LUT presentation, WEII, Lab3D</i> J. Montusiewicz: <i>Basic concepts in 3D graphics: VR, AR, MR and 3D printing</i> Coffee break K. Dziedzic, <i>3D scanning of architectural objects</i> Lunch J. Kęsik, <i>Processing of the point cloud from the 3D scanning process (1)</i>
Day 2, Tuesday 24-05-2022	9:00-17:00 (8 h)	Zamość <i>Away classes, In situ scanning, practical scanning in the field</i> J. Montusiewicz, K. Dziedzic, M. Miłosz Lunch (during the away session)
Day 3, Wednesday 25-05-2022	9:00-11:15 (3 h) 11:15-11:30 11:30-13:00 (2 h)	Building CliZT, room 403 S. Korga, <i>3D modeling of architectural objects-1</i> Coffee break J. Kęsik, <i>Processing of the point cloud from the 3D scanning process (2)</i>



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	14:00-15:00 15:00-17:15 (3 h)	Lunch M. Barszcz, <i>Digital use of 3D models - VR walks, virtual tours, interactive panoramic photos (1)</i>
Day 4, Thursday 26-05-2022	9:00-10:30 (2 h) 10:30-11:15 (1h) 11:15-11:30 11:30-13:00 (2 h) 13:00-14:00 14:00-16:15 (3 h)	Building CliZT, room 403 S. Korga, <i>3D modeling of architectural objects-2</i> J. Montusiewicz, <i>3D printing</i> Coffee break Presentation of the LARIEI laboratory, room 505. Lunch M. Barszcz, <i>Digital use of 3D models - VR walks, virtual tours, interactive panoramic photos (2)</i>
Day 5, Friday 27-05-2022	9:00-11:15 (3 h) 11:15-11:30 11:30-13:00 (2 h) 13:00-14:00 14:00-16:15 (3 h)	Building CliZT, room 403 S. Korga, <i>3D modeling of architectural objects-3</i> Coffee break J. Montusiewicz, <i>Practical classes, 3D scanning on the PL campus</i> Lunch J. Kęsik, <i>Practical classes, Processing of the point cloud from the 3D scanning process</i>

Support for conducting classes in Russian / English:

- First day: Ela Miłosz (for the opening), Jerzy Warakomski
- Second day: Marek Miłosz
- Third day: Ela Miłosz, Marek Miłosz
- Fourth day: Ela Miłosz, Marek Miłosz
- Fifth day: Ela Miłosz Jerzy Warakomski

Final remarks:

Classes will be conducted with the use of presentations, specialized equipment from "Lab 3D" and computer sets intended for own work.