

3RD INTERNATIONAL SCHOOL OF KARST AND SPELEOLOGY

SUMMER SCHOOL 2023

Polish Jurassic Highland

UNIVERSITY OF WROCLAW



Uniwersytet
Wrocławski



RESEARCH
UNIVERSITY
EXCELLENCE INITIATIVE
Ministry of Science
and Higher Education

arQus
European University Alliance

3rd International School of Karst and Speleology

Summer School 2023

Dates: 16-23.07.2023 **Location:** Siedlec near Żłoty Potok (Kraków-Częstochowa Upland)

Language: English, Polish

Target Group: international students and young scientists (age 18 to 35)

Total number of participants (max): 24

Application Deadline: April 30, 2023

In order to apply for the Summer School, all interested are obliged to submit a 500-word abstract regarding one of the following topics: karst, archeology, paleontology, or drift geology in your home country. The selection of students will be carried out by the organizers.

All applications must be sent by the 30th of April to the following email address: paleosummerschool@uwr.edu.pl



SCHEDULE

DATE	LOCATION	PROGRAMME
16.07.2023	Wrocław	Arrival of participants in Wrocław
17.07.2023	Wrocław	Visit to the University of Wrocław International Office. Transfer from Wrocław to Siedlce.
18.07.2023	Siedlce	Geology and geomorphology: Lectures + Practical classes
19.07.2023	Siedlce	Geology and geomorphology: Practical classes
20.07.2023	Siedlce	Geology and geomorphology: Practical classes
21.07.2023	Field trip I	Upper Paleolithic site of mammoth hunters Krakow Spadzista street. Ojcow National Park visit to Ciemna Cave and Łokietka Cave
22.07.2023	Field trip II	Wodąca Valley visit to Biśnik Cave and Zegarowe Rocks with Zegar Cave. Mount Zborów visit to the Głębocka Cave. Karst springs in Podlesice Return of participants to Wrocław.
23.07.2023	Wrocław	Return of participants to home

PROGRAMME

Paleozoology and archaeology

Prof. Krzysztof Stefaniak, Prof. Adrian Marciszak, PhD Urszula Ratajczak-Skrzatek, PhD Katarzyna Zarzecka- Szubińska - Department of Palaeozoology, University of Wrocław

- (1) Methodology of paleontological and archaeological research – Lecture and practical classes
- (2) Methods of acquiring, documenting, cataloguing and developing collections – Practical classes
- (3) Evolution of the fossil fauna of Poland in the Neogene and Quaternary – – Lecture and practical classes
- (4) Stages of human settlement of the Polish area from the Paleolithic to historical times in karst areas – – Lecture and practical classes

Geology and geomorphology

PhD Artur Sobczyk – Institute of Geological Sciences, University of Wrocław

- (1) Karst, caves and speleology: an introduction – Lecture
- (2) Methodology of conducting research related to geomorphology and geology of caves and karst areas – Practical classes
- (3) Geological mapping with the use of spatial data – Practical classes
- (4) Application of ground penetrating radar (GPR) in karst research – Practical classes

PhD Hab. Marek Kasprzak – Institute of Geography and Regional Development, University of Wrocław

- (1) Introduction to SfM point clouds derived photogrammetry and LiDAR numerical terrain model – Lecture
- (2) Geomorphological mapping with the use of spatial data – Practical classes
- (3) Creation and management of data in a GIS environment – Practical classes
- (4) Application of electrical resistivity tomography (ERT) in karst research – Practical classes

Short description of the school: During the Summer School, archaeological and paleontological excavations will be conducted in Reniferowa Cave, accompanied by geomorphological and geological studies of cave sediments. In addition, excursions will be organized to show participants selected archaeological, paleontological and geomorphological sites in Kraków - Częstochowa Upland.

Accommodation: Participants in Wrocław will be accommodated in a dormitory. During the practical part, participants will be accommodated Siedlce in the Youth Hostel.



Fig. 1 Place of accommodation of participants.

The organizers reserve the right to change the program.

