



Kazan Federal University
Khalikov Institute of Archaeology
Bolgar Historical and Archaeological Complex

Bolgar International Archaeological Field School (BIAFS)

Section: Experimental Traceological Analysis of Ancient Tools from non-flint raw materials (antler, bone, stone, shell, metal)

With the participation of members of the UISPP International Scientific Commission A17
(Functional studies of prehistoric artefacts and their socio-economic meaning)

20.VIII – 2.IX 2018, Bolgar

Head of the section – dr Natalia Skakun



Application form: <http://archtat.ru/en/arch-school/newsletters/>

The program of the section “**Experimental Traceological Analysis of Ancient Tools from non-flint raw materials (antler, bone, stone, shell, metal)**” is designed for students, masters, postgraduate students and young specialists in the field of archaeology. Its main purpose is to widen their theoretical and practical knowledge and skills in researching artefacts from non-flint raw materials within various scientific projects. The lecture course of the section is dedicated to modern issues of functional analysis and reconstructions of the tool making technologies. Practical studies comprise modeling of ancient technologies and experimental-traceological analysis of various non-flint tools.

Types of activities:

Lectures, practical and experimental studies.

Amount of students: 20

Laboratory equipment: microscopes, photcameras, lecture equipment.

Experimental materials: antler, bone, teeth, shells, stone.

Lecturers

- **Dr Natalia Skakun** – senior researcher of the Institute of the History of Material Culture RAS (St-Petersburg), chairman of the Traceological Commission of the UISPP Congress.
- **Dr Laura Longo** – professor of the Nanyang Technological University (Singapore).
- **Boryana Mateva** – traceologist and experimenter, director of the National Museum “Sboryanovo” (Bulgaria).
- **Dr Mikhail Zhilin** – Senior researcher of the Institute of Archaeology RAS (Moscow).
- **Dr Alfred Pavlik** – professor of the University of the Philippines (Philippines).
- **Dr Igor Goraschuk** – head of the Archaeological Department of “VolgoNIIgiprosem”, senior paleotechnologies specialist of the Archaeos Center (Samara).
- **Dr Carmen Gutierrez** – professor of the Madrid University (Spain).

Preliminary program

Lecture course:

1. Modern issues of Experimental Traceological Analysis of Ancient Tools from non-flint raw materials (antler, bone, stone, shell, teeth)

Theme 1. Tools from antler, bone, shell, teeth. Manufacturing technology and functional analysis.

Theme 2. Stone (non-flint) tools. Manufacturing technology and functional analysis.

Theme 3. Stone, bone and antler metalworking tools. Manufacturing technology and functional analysis.

2. Experimental modeling of ancient technologies of manufacturing and use of non-flint tools.

Theme 1. Experimental modeling of technologies of manufacturing and use of tools from antler, bone, shell, teeth.

Theme 2. Experimental modeling of technologies of manufacturing and use of tools from stone.

Theme 3. Experimental modeling of metalworking using stone and bone tools.

Practical studies:

Teaching methods of experimental-traceological research.

Theme 1. Kinds of use-wear traces on the tool's working edges. Graphical and photo fixation.

Theme 2. The significance of the experimental work for traceological analysis. Summurizing the work of the section, discussion.