

## Aim

This Summer School focuses on interaction as a key concept in social life, and on methods for reconstructing and modeling spheres of interaction at different spatial and temporal scales. Students will learn an innovative approach, used in recent studies, for modelling spheres of interaction. The course will cover a variety of theories and concepts that will enable students to apply this method to further regions, material groups, and time periods. The course is divided into individual lessons presented by experts, thus providing a diverse overview of approaches.

## Guest lecturers

**Dr. Loup Bernard**, Maison Interuniversitaire des Sciences de l'Homme, University Straßbourg, France

**Prof. Dr. James Allison**, Associate Professor, Brigham Young University Utah, U.S.A.

**Dr. Aleksandr Diachenko**, Institute of Archaeology of the National Academy of Sciences of Ukraine, Ukraine

## Contact

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## Project assistants

Tine Karck, Carl Evers

## Website

www.ufg.uni-kiel.de/de/mosaic2016

## Participating Institutions

Institute of Pre- and Protohistoric Archaeology Kiel

Johanna Mestorf Academy, Kiel

University of Straßbourg

Brigham Young University, Utah, U.S.A.

Institute of Archaeology of the National Academy of Sciences of Ukraine

Excellence Cluster Topoi, Berlin



## Modelling Spheres of Interaction

Event hosted by:



This Summer School is funded by the International Center of Kiel University

International  
Summer School  
5<sup>th</sup> - 9<sup>th</sup> September 2016

organized by: Oliver Nakoinz, Franziska Faupel  
and Daniel Knitter



Time/Day	Mo 5.09.	Tu 6.09.	We 7.09.	Th 8.09.	Fr. 9.09.
08:00 - 10:00		Faupel - Introduction to R: Basics	Diachenko - Modelling in archaeological contexts	Allison - Modelling spatial distributions and interaction using fall-off curves	Summary of each Project
10:00 - 10:30					
10:30 - 12:30	Welcoming	Faupel - Introduction to R: Using R as GIS	Nakoinz/Knitter - Modelling interaction systems	Nakoinz/Knitter - Modelling interaction systems	Discussion
12:30-14:00					
14:00-16:00	Nakoinz - Introduction: Interaction as key term in archaeological research?	Bernard - Using ArkeoGIS or other data bases	Workshop: Modelling interaction systems	Workshop: Modelling interaction systems	Departure
16:00-16:30					
16:30 - 18:00	Nakoinz - Interaction and cultural contexts	Introduction to available data sets	Workshop: Modelling interaction systems	Modelling Interaction Systems: Mapping	
Evenings	BBQ at the Falkensteiner Beach	Discussion of daily results	Discussion of daily results	Dinner at Forstbaumschule	

Theory

Method

Guest Lecturers

### Note to participants

Please bring your own laptop, if possible. We can supply a limited number of laptops. Should you need to borrow a laptop, please mention it in your application.

### ECTS Points

Up to two ECTS points can be awarded for participation in this summer school.

### Boarding and Lodging

To cover the cost of materials, a nominal fee of 25€ will be charged upon final registration. Boarding and lodging must be arranged and paid for by the participants. The "Basic Hotel City" offers a discount on room rentals for participants of the summer school. If you need assistance in booking, please feel free to contact us.

### Social Activities

To welcome our guests we are planning to have a BBQ on the first evening of the week. On Thursday evening we will be having dinner and drinks at Forstbaumschule. Please let us know if you are planning on participating in either of these events.

Kiel, with its unique location on the Baltic Sea, is one of northern Germany's richest cities with regards to naval history as well as maritime esprit. With famous events such as the "Kieler Woche" it offers many activities which which make the most of its seaside location.

### About Mosaic

At Kiel University there is a growing interdisciplinary community which strives to establish an integrative concept and culture of modelling. The intention behind Mosaic is to convey the Kiel spirit of interdisciplinary modelling and to facilitate knowledge transfer on basic theories, methods and techniques in spatio-temporal modelling. In this summer school we will introduce participants to the basics of modelling, mathematics, trends, boundaries, movement, interaction and networks.

### Applications

Application will be open to all graduate and postgraduate students. Undergraduate students may be admitted under special conditions. Please feel free to contact us with questions regarding eligibility. To apply, please send in a short CV and a letter of motivation, including your current research interests.

Application deadline: May 31. 2016

Please send your applications to:

[mod@gshdl.uni-kiel.de](mailto:mod@gshdl.uni-kiel.de)