

# Call for Papers

Computer Applications and Quantitative Methods in Archaeology  
19<sup>th</sup> – 23<sup>rd</sup> of March, 2018  
[2018.caaconference.org](http://2018.caaconference.org)

It is our pleasure to announce and invite your contribution to our session

## #S24 Computational classification in archaeology



To make inferences on the archaeological material that go beyond the individual object we always have to decide what is similar or equal and what is not. This reasoning is at the heart of the archaeological method since its beginning and describes what we understand as meaningful categories such as a type and what we try to achieve with a typology.

The related issues are adequately handled when a statistical, computer based classification is applied. Many new and interesting approaches to this topic were developed that find their way into archaeological reasoning. Especially the growing interest in pattern recognition, machine learning and the classification of information emerged within the last years, led by major information processing companies (eg. search engines and social networks). In our session we would like to survey the current state-of-the-art research for the classification of archaeological datasets and provide a better understanding of methods and validation techniques.

We would like to welcome presentations on recent applications of machine learning, clustering approaches, and related regression methods in the field of archaeology. Presentations will explore methods for evaluating the accuracy of classifications, and investigating the implications of different classification methods for archaeological interpretation and understanding. Reports on how to deal with the challenges of applying modern computational methods to sparse and problematic archaeological datasets will also be included in this session.

**Find the full session abstract at**

[http://2018.caaconference.org/sessions/#\\_Toc494453186](http://2018.caaconference.org/sessions/#_Toc494453186)

**To submit a paper to our session, please visit**

<http://2018.caaconference.org/2017/09/29/call-papers-posters-open/>

**Deadline for submission is October the 29<sup>th</sup> 2017.**

For any questions regarding our session please contact  
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The session is organized by the **ISAAKiel** group  
(Initiative for Statistical Analysis in Archaeology Kiel) <https://isaakiel.github.io/>



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