



4th CAA-GR Conference 2020

Computer Applications and Quantitative Methods in Archaeology, Greece

'Big Data in Archaeology'

N.C.S.R. "Demokritos", 1st and 2nd October 2020

1st CIRCULAR

Dear Colleagues,

The 4th CAA-GR conference 'Computer Applications and Quantitative Methods in Archaeology, Greece' will be held at N.C.S.R. "Demokritos" on 1st and 2nd October 2020. The CAA-GR is the Greek Chapter of the CAA (caa-international.org). General scope of CAA conferences is to bring together archaeologists, mathematicians and computer scientists in order to encourage communication between these disciplines, to provide a survey of present work in the field and to stimulate discussion and future progress.

The CAA-GR conference is a biennial meeting with focus on research in the Eastern Mediterranean Region. Former meetings have been organized in Rethymno (2014), Athens (2016) and Limassol (2018). The proceedings have been published in digital form and can be accessed via the CAA-GR web page (gr.caa-international.org). The CAA-GR 2020 will be jointly organized by the Institute of Nanoscience and Nanotechnology and the Institute of Informatics and Telecommunications at N.C.S.R. "Demokritos". The focus of this year's conference will be on 'Big Data in Archaeology'. In the framework of the conference a one-day workshop on 'Management and evaluation of Big Data' will be organized.

For more information and updates please visit our web page:

caa-gr2020.net

or contact us at: info@caa-gr2020.net

Looking forward to welcoming you in October 2020

The Organizing Committee

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Anno Hein, Institute of Nanoscience and Nanotechnology, N.C.S.R. „Demokritos“

Vassilis Kilikoglou, Institute of Nanoscience and Nanotechnology, N.C.S.R. „Demokritos“

Ioannis Karatasios, Institute of Nanoscience and Nanotechnology, N.C.S.R. „Demokritos“

Vangelis Karkaletsis, Institute of Informatics and Telecommunications, N.C.S.R. „Demokritos“

George Petasis, Institute of Informatics and Telecommunications, N.C.S.R. „Demokritos“

Lida Arnellou, Institute of Informatics and Telecommunications, N.C.S.R. „Demokritos“

Topics of the Conference 1st and 2nd October 2020

- *Databases and Statistics*
 - *Data management, data mining*
 - *Semantics*
 - *Statistical methods*
 - *Pattern recognition*
- *Geographic Information Systems (GIS) and Prospection Methods*
 - *3D reconstruction and visualization of sites and landscapes*
 - *Aerial photography and remote sensing*
 - *Geophysical prospection*
 - *Mapping of excavations and archaeological sites*
- *3-D Modeling of archaeological objects and infrastructure*
 - *Reconstruction and digital engineering*
 - *Visualization and automatic recognition*
 - *Simulation of function: FEM, CFD etc.*
- *Sensing techniques in Cultural Heritage*
 - *Monitoring microclimate*
 - *Monitoring CH objects and sites*
- *Evaluation and Modeling of socio-ecological systems*
 - *Investigation of trade and technology transfer*
 - *Agent based models and simulations*
- *Multimedia and virtual reality*
 - *Education*
 - *Museums*
 - *Gaming*

One Day Workshop, 30th September 2020

- *Management and evaluation of Big Data*
 - *Databases*
 - *Pattern recognition*