14-February-2017

MAJOR POINTS OF EXTENSION

Dear Sir/Madam,

In the extended version of our paper we deploy the full process of our work. Especially,

* the paper title has been changed to differentiate from the initial conference article
* there is an extended section dedicated to related work and literature and therefore the list of references is now enhanced
* we apply and present the reassembly method on the whole material from a pottery (ceramic replica)
* we introduce all the technical suggestions from our special software to act as an assistive tool for the archaeologist
* we explain in details how the archaeologist can read all these suggestions from our software
* we added a table that indicates all the acquired thickness measurements from all the sherds (34)
* we also provide many composite figures, which were not presented in the original conference article due to limitation in space (6 pages in the conference paper)
* in section 5, we present (in details), assess and validate our proposed methodology to an original ancient unpainted ceramic pottery (an ancient lopas, 400 B.C).

The original version of our conference paper, is also submitted as a supplementary file.

King regards

Micheal Stamatopoulos  
Christos-Nikolaos Anagnostopoulos

Our initial paper title,  
**The Thickness Profile method: A new digital 3D approach for reassembling unpainted archaeological ceramic pottery**

Our extended full paper,  
**A totally new digital 3D approach for reassembling fractured archaeological potteries using thickness measurements**