



DIPARTIMENTO
DI GEOSCIENZE



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Seminario per l'internazionalizzazione della Didattica

*In the frame of the Course of Applied Petrography, Anno
Hein will hold the following seminar:*

Ancient functional ceramics: Mechanical and thermal performance

Wednesday November 22, 2017 - 8:45-10:00 - Room 1C

Relatore: **Prof. Anno Hein**

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Abstract:

Ceramics were among the first functional materials fabricated by people. They were used for manifold purposes, such as storage, transport, food processing, construction or pyrotechnology. For each different function they had to withstand different types of loads, mechanical as well as thermal. Evidence from archaeological ceramics indicates that the production process and the ceramic design were adapted in order to achieve specific performance characteristics. Examples of ancient functional ceramics will be presented combined with results of material testing. The resulting material properties will be interpreted with computer simulations of microstructure and vessel design.

Proponente: Claudio Mazzoli