



**Italian Society of
Mineralogy and Petrology**

www.socminpet.it

CLAY MINERAL SOCIETY ANNUAL MEETING



**LIVING
CLAYS** From nano-scale
interactions to
incorporation
in everyday life

The 54th Annual Clay Minerals Society Conference (www.cms2017.com) will be held 5–8 June 2017 in Edmonton, Alberta (Canada) in conjunction with the Oil Sands Clay Conference. The conference is being organized by the Centre for Oil Sands Sustainability and the Clay Minerals Society and will be supported by BUKSA Associates. The program will include the 10th Canadian Powder Diffraction Workshop (Friday to Sunday, June 2–4), a “Dinosaur Hunting in Drumheller” field trip (Saturday, June 3), and Introduction to Oil Sands Clays (Sunday, June 4) prior to the meeting; trade show and tours of the Northern Alberta Institute of Technology and University of Alberta during the conference; and an oil sands tour on Wednesday afternoon and Thursday (June 7–8).

Session titles and topics include:

- “Structure and Properties of Clays”— clay structure, clay modeling, clay nomenclature.
- “Clay Minerals and Health”— use of clay minerals in medicine and beauty products/treatments.
- “Clays and Genomics/Microbiology”— clay interactions with microorganisms/proto-microorganisms.
- “Clays in Oil and Gas”— drilling, fracking, shale gas, tight gas, enhanced oil recovery, and exploration geochemistry.
- “Clays in Mining”— methods for improving selectivity of mining, impacts of clay in non-clay mining processes, and hydrometallurgy/pyrometallurgy.
- “Clay/Organic Interaction and Clay/Polymer Interaction”— fundamentals of the interaction of clays with various organic compounds, including polymers, solvents and proteins.
- “Clays in Water/Solid Separation Processes”— how clays impact solid/liquid separation processes including sedimentation, thickening, centrifuging, and filtering.
- “Clays in Rheology”— this session will focus on the rheological properties of clay slurries.
- “Clays in Geotechnical Engineering”— dam foundations, consolidation, development of strength, and impact on freeze–thaw cycling/frost heave.
- “Clays and Soil Formation”— nutrient cycling and weathering, carbon capture.
- “Clay and Environmental Quality”— clay remediation and contaminant migration.
- Any other topic related to the conference theme.

Abstracts should be submitted by Monday, 20 March 2017 (11:59 PM MT).

CMS MEMBERSHIP RENEWAL

Please renew your membership for 2017!

Dear colleagues,

Registration to the 2017 European Mineralogical Union (EMU) school is now open! Please spread the news!

The 2017 EMU school on Mineral Fibres: Crystal Chemistry, Chemical-Physical Properties, Biological Interaction and Toxicity will be held 19–23 June 2017 in Modena (Italy). The related EMU Notes volume will be also released during the school.

The school welcomes advanced graduate and PhD students, as well as young and experienced researchers with an interest in mineral fibres. The school will cover different multidisciplinary aspects related to the study of natural fibres. It is, thus, aimed at students with a background in biology, chemistry, geology, material science, medicine, and physics. This course is designed for those who strive to work in the field of mineral fibre and asbestos and for those who want to acquire a strong background in this specific area of environmental protection and a multidisciplinary open vision of the asbestos related problems.

For detailed information and REGISTRATION (ON-LINE) go to the web site: emu2017.unimore.it

Travel grants will be issued by EMU and IUCr (International Union for Crystallography) for young scientists participating at the school (see the web site for the details). Selection will be made by the school organizers. SIMP will support attendance (travel and accommodation) of Italian students. A call for applications will be issued by SIMP in the near future. Looking forward to seeing you in Modena!

The Chair of the EMU 2017 school

Fibers

UNIMORE mineral fibres research group

June 19-23, 2017

Modena, Italy

EMU school on Mineral fibres:
(European Mineralogical Union)
crystal chemistry, chemicalphysical
properties, biological interaction
and toxicity.

emu2017.unimore.it

Registration Open



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UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA