

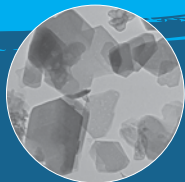


XVII ICC
ISTANBUL 2022
25 -29 JULY

*New Interfaces Bridging
Continents and Cultures
with Clays*



ANNOUNCEMENT



www.icc.aipea.org



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17th INTERNATIONAL CLAY CONFERENCE (17th-ICC)
July 25-29, 2022
ISTANBUL, TURKEY

NEW INTERFACES: BRIDGING CONTINENTS AND CULTURES WITH CLAYS

Dear Colleagues,

On behalf of the Clay Science Society (Turkey) and The Clay Minerals Society (USA), it is our great pleasure to announce the co-hosting 17th International Clay Conference 2022 (17th ICC 2022) in Istanbul, Turkey.

Istanbul is Turkey's most populated and unique city spanning the continents of both Europe and Asia. Separated by the Bosphorus waterway, Istanbul is culturally diverse, easily navigated, and historically fascinating. As the business and financial hub of Turkey, it is well oriented to hosting large international meetings of all types, especially scientific conferences.

The scientific program of the 17th ICC 2022 will bring together scientists from different disciplines related to clays and clay minerals. The global pandemic has forced a one-year postponement of the 17th ICC with the intent to return to the ICC normal four year cycle in 2025. The 17th ICC 2022 program will consist of technical sessions of oral and poster presentations and keynote speakers. In addition to thematic sessions, there will be pre-conference workshop(s), including a two-day AIPEA and a one-day CMS Workshop. Two post-conference field trips will be organized to visit Turkish clay deposits and their industrial applications. The social program will include visits to historical sites, shopping for traditional items, and sharing the richness and diversity of Turkish cuisine.

Conference extended abstracts will be published as a dedicated volume. Publication of special issues hosted by high impact clay journals will be planned and announced prior to the 17th ICC 2022. The CMS workshop will be offered for publication via the journal Clays and Clay Minerals. Exhibitions will be present, including leading clay industries, media representatives, and publishers in related fields of clay science.

The Conference will take place in the Hilton Hotel İstanbul Maslak. The Hotel has a convenient location, next to the İstanbul Technical University Ayazağa Campus in Maslak. A metro station on the M6 line provides fast and reliable access to all of İstanbul's extensive transit system and main tourism areas. Options for low-cost housing on the İstanbul Technical University campus will also be possible. The 17th ICC 2022 venue is accessible to/from İstanbul's new world hub airport. We promise a technically and socially stimulating Conference along with warm Turkish hospitality.

As the bridges span the Bosphorus connecting cultures and continents, we hope you will join us at the 17th ICC 2022 to bring together new ideas from people and countries from around the world. We look forward to seeing you in İstanbul!

THE CLAY SCIENCE SOCIETY (TURKEY)

Selahattin Kadir

Conference General Chair

THE CLAY MINERALS SOCIETY (USA)

Paul A. Schroeder

Conference Co-Chair

AIPEA

Asuman Günel Türkmenoğlu

Representative of 17th ICC 2022



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ORGANIZING COMMITTEE

General Chair

Selahattin Kadir (Eskişehir Osmangazi University, Turkey)

Co-Chair

Paul A. Schroeder (University of Georgia, United States)

AIPEA – Representative of 17th ICC 2022

Asuman Günel Türkmenoğlu (Middle East Technical University, Turkey)

Secretary

Fahri Esenli (İstanbul Technical University, Turkey)

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PROFESSIONAL CONFERENCE ORGANIZER



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CONFERENCE IMPORTANT DAYS AND DEADLINES

March 1, 2021: Call for new and updated thematic sessions

July 1, 2021: Close call for new and updated thematic sessions

September 1, 2021: Announcement of thematic sessions

October 1, 2021: Opening of abstract submission

January 15, 2022: Abstract submission ends

February 15, 2022: Abstract Acceptance

March 15, 2022: Early Bird registration ends

April 15, 2022: Announcement of final program

July 1, 2022: Late registration

July 23-24, 2022: Pre-conference workshops (AIPEA, CMS)

July 25-29, 2022: Conference and one day social program

July 30-31, 2022: Post-conference one and/or two days field trips



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THE CONFERENCE THEMES

- 1** Durability of clay-based bending mortars and their regulation frame
- 2** Property, functionalization and applications of one-dimension nanoporous clay minerals: From nanofiber to nanotube
- 3** Fibrous clay minerals: properties and implications for paleoenvironment and diagenesis
- 4** Clay minerals throughout the solar system
- 5** Soil minerals in connection with pedogenic processes
- 6** Clays for contaminants control
- 7** Natural zeolites and clays as ion-exchanger
- 8** Sepiolite, palygorskite and bentonite: geology, properties and applications
- 9** Clay minerals, deposits and cultural heritage
- 10** Clays and health
- 11** History of clay science and of its societies
- 12** Soil mineral quantification -from poorly crystalline phases and interstratified soil clay minerals to digital soil mineralogy
- 13** Clay geochronology
- 14** The geochemistry of clay minerals as a proxy for the origin and/or provenance of sedimentary particles
- 15** Interaction between clay minerals and organic carbon: from natural clay-carbon compound to hybrid materials
- 16** Teaching clay science
- 17** Advanced microscopy in clay research
- 18** Layered double hydroxides: Advanced 2-D clay-materials for applications in energy, environmental remediation and health
- 19** High temperature impact on bentonite barrier systems in the context of radioactive waste disposal.
- 20** Fibrous clays: from fundamental research to functional materials.
- 21** Authigenic clays in petroleum exploration
- 22** Clays in oil & gas applications
- 23** Occurrences of the rare-earth element resources in clays
- 24** The role of clays in critical zone architecture and function
- 25** Palygorskite: from fundamental research to functional materials
- 26** Clay minerals studies in sedimentary basins predicting geotherms, fluid- and hydrocarbon migration systems
- 27** Clay mineral reaction progress during burial diagenesis and very low-temperature metamorphism
- 28** Multiscale computational modeling of clay-related materials and their fluid interfaces
- 29** Stability of smectite from experiments to nature
- 30** Clays for ceramics
- 31** Clays and the molecules of life
- 32** Clays in geotechnical applications
- 33** Clays and viruses
- 34** General session



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ICC 2022 WORKSHOPS

- **Kaolin: Origin, properties, and applications**
AIPEA School for Young Scientists (ASYS)
July 23–24 (Saturday-Sunday), 2022
- **Advances in the characterization of smectites in bentonites**
The Clay Minerals Society Workshop Lecture Series
July 23 (Saturday), 2022
- **Clay mineral catalysis of organic reactions**
AIPEA Workshop
July 24 (Sunday), 2022

ICC 2022 FIELD TRIPS

- **Field trip 1/ July 30, 2022**
Şile clay deposit
- **Field trip 2 / July 30–31, 2022**
Bentonite (Cağış) and kaolin (Duvertepe) deposits in Bahkesir



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