ANNOUNCEMENT

New Interfaces Bridging Continents and Cultures with Clays

www.icc.aipea.org
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.

İstanbul 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 Istanbul Technical University Ayazağa Campus in Maslak. A metro station on the M6 line provides fast and reliable access to all of Istanbul’s extensive transit system and main tourism areas. Options for low-cost housing on the Istanbul Technical University campus will also be possible. The 17th ICC 2022 venue is accessible to/from Istanbul’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 Istanbul!

THE CLAY SCIENCE SOCIETY (TURKEY)          THE CLAY MINERALS SOCIETY (USA)
Selahattin Kadir                        Paul A. Schroeder
Conference General Chair               Conference Co-Chair

AIPEA
Asuman Günal Türkmenoğlu
Representative of 17th ICC 2022
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 Günsal Türkmenoğlu (Middle East 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
THE CONFERENCE THEMES

01 - Durability of clay-based bending mortars and their regulation frame
02 - Property, functionalization and applications of one-dimension nanoporous clay minerals: From nanofiber to nanotube
03 - Fibrous clay minerals: properties and implications for paleoenvironment and diagenesis
04 - Clay minerals throughout the solar system
05 - Soil minerals in connection with pedogenic processes
06 - Clays for contaminants control
07 - Natural zeolites and clays as ion-exchanger
08 - Sepiolite, palygorskite and bentonite: geology, properties and applications
09 - 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 natures
30 - Clays for ceramics
31 - Clays and the molecules of life
32 - Clays in geotechnical applications
33 - General session
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 ( Çağış) and kaolin (Duvertepe) deposits in Balıkesir