



Association Internationale pour l'Étude des Argiles

www.aipea.org



AIPEA President –
Bruno Lanson



AIPEA Secretary –
Peter Ryan

AIPEA was founded in 1948 to promote international cooperation in clay research and technology. A hallmark AIPEA event is the quadrennial International Clay Conference (ICC), the most recent of which—the 17th ICC—occurred on 25–29 July, 2022 in İstanbul, Türkiye. The theme was “New Interfaces: Bridging Continents and Cultures with Clays,” with 323 participants from 40 nations, 2/3 of whom attended in person and 1/3 by video conference. The conference was co-organized by the Clay Science Society (Türkiye) and the Clay Minerals Society (USA). We wish to thank the organizing committee for convening an in-person meeting in the present complex context: Selahattin Kadir (General Chair, Eskişehir Osmangazi Univ., Türkiye), Paul Schroeder (Co-Chair, Univ. Georgia, USA), Asuman Günel Türkmenoğlu (AIPEA Representative, Middle East Technical Univ., Türkiye), and Fahri Esenli and Emin Çiftçi (İstanbul Technical Univ., Türkiye), both of whom served as Secretary. The conference was scheduled to take place in 2021, but was postponed to 2022 due to the Covid-19 pandemic.

A complete report on the conference is available from the AIPEA website (<https://www.aipea.org>).

The conference opened with a one-day CMS workshop led by George Christidis on “Advances in the Characterization of Smectite in Bentonites,” and the Scientific Programme itself covered four days. Some of the presentations (especially plenary lectures) will be available on the AIPEA, CMG, or CMS YouTube channels when appropriate permissions are arranged. The book of abstracts is also available on the AIPEA website.

The ICCs also provide the opportunity for AIPEA to recognize contributions by esteemed colleagues, and to support the research endeavours of students and early career scientists. Conference Plenary lecturers included recipients of the **AIPEA Medal**, awarded to active scientists in recognition of their outstanding contributions to clay science, who shared their inspiring research outcomes with the participants:

- David Bish (Indiana Univ., USA) presented “The wonders (and implications) of disorder in clay minerals”
- Hongping He (Guangzhou Institute of Geochemistry, China) presented “Transformation of 1:1 type clay minerals into smectite under hydro-thermal condition”
- The 2022 recipient of the **Bradley Award**, Denys I. Grekov (Nantes Univ., France), lectured on “Adsorption of methane and carbon dioxide by water-saturated clay rocks”.

Warren D. Huff and Saverio Fiore were recognized with the **AIPEA Fellow Award** for their life-long activity promoting clay science and supporting the clay science community.



Reiner Dohrmann
presenting the AIPEA Medal
2022 to David Bish



Reiner Dohrmann awarding
the AIPEA Medal 2022
to Hongping He (ON THE
SCREEN); the medal was
accepted on his behalf by
Saverio Fiore



Denys I. Grekov presenting
the plenary lecture for the
Bradley Award

Student presentation awards were sponsored and judged jointly by AIPEA and CMS. **Best oral presentation:** Bidemi Fashina (Texas A&M Univ., USA); **Oral runner-up:** Aasim Shaffi (Univ. College London, UK); **Best poster presentation:** Karolina Rybka (AGH Univ. Science and Technology, Poland); and **Poster runner-up:** Eleanor Olegario (Univ. of the Philippines, Quezon City, Philippines).



Karolina Rybka receiving the
AIPEA-CMS best poster presentation
award from AIPEA President Reiner
Dohrmann, Treasurer Alberto
López, and AIPEA General Secretary
Peter Ryan.



Aasim Shaffi receiving the AIPEA+CMS
runner-up oral presentation award.

Seven students received AIPEA travel grants: Adrian Lorenzo Hernández (Spain), Andrea García Vicente (Spain), Biljana Milovanović (Serbia), Julien Talon (France), Klaudia Dziewiątka (Poland), Pauline Corentin (France), and Zvonka Gverić (Croatia).



Students receiving travel grant awards from President Reiner Dohrmann during the closing ceremony. **LEFT TO RIGHT:** Adrian Lorenzo Hernández, Andrea García Vicente, Biljana ilovanović, and Julien Talon.



LEFT TO RIGHT: Klaudia Dziewiątka, Pauline Corentin,
and Zvonka Gverić.

Dr. Gianni Vettese (Univ. Helsinki, Finland) and Dr. Ranjan Paul (Nat'l Bureau of Soil Survey, India) were awarded **AIPEA Early Career Clay Scientist (ECCS) Travel Grants**, and Dr. Jemaa Amakrane (Univ. Mohammed Premier, Morocco) and Dr. Javier García Rivas (Univ. Complutense, Spain) were recipients of **AIPEA ECCS Research Grants**. The ECCS activities also included a presentation of its objectives, a networking event, and a meeting with editors of the three major clay science journals. Additional awards were presented by CMS and the CMG of the Mineralogical Society (UK & Ireland).

The conference concluded with a field trip organized by Orhan Yavuz, Paul A. Schroeder, Emin Çiftçi, and Hüseyin Demir to the Şile Clay Deposits on July 30, 2022.



Bruno Lanson (RIGHT) wearing the AIPEA
Presidential Medal for the first time, being
congratulated by outgoing President Reiner
Dohrmann



Selahattin Kadir (Chair of 17th ICC) giving his report with the 2017–2022 AIPEA officers seated, **FROM LEFT TO RIGHT:** Peter Ryan, Jocelyne Brendlé, Reiner Dohrmann, Saverio Fiore, and Alberto López-Galindo.



Three AIPEA Presidents at ICC-2022 İstanbul. **FROM LEFT TO RIGHT,** David Bish (2005–2009), Saverio Fiore (2013–2017), and Reiner Dohrmann (2017–2022)

AIPEA

Each ICC is an occasion to announce new members of the AIPEA Council and new officers. Bruno Lanson (France) will take over from Reiner Dohrmann (Germany) as AIPEA President, and Bruno will continue in the role of Chair of the Nomenclature Committee. Chun Hui Zhou (China) will step in as Vice-President, and Peter Ryan (Secretary – USA) and Alberto López Galindo (Treasurer – Spain) will continue in their respective roles. Reiner Dohrmann will serve as Past-President. The AIPEA Council for 2022–2025 is comprised of Samar Chandra Datta (India), Cliff Johnston (USA), Erzsébet Harman-Tóth (Hungary), Tanya Peretyazhko (Ukraine, USA), Adi Radian (Israel), Tsutomu Sato (Japan), Jeanne B. Percival (Chair, Teaching Committee – Canada), Liva Dzene (Chair, Early Career Clay Scientists Committee – Latvia, France), Steve Hillier (Representative of the 18th ICC – UK), and Saverio Fiore (Webmaster, Chair of the Hazardous Minerals Committee – Italy).



XVIII ICC
Dublin, Ireland
13–18 JULY 2025

We conclude with some future conference news: The 18th ICC will be held in Dublin, Ireland, on July 13–18, 2025 (<https://icc.aipea.org/>). The bid was led by Steve Hillier and Kevin Murphy on behalf of the CMG of the Mineralogical Society (UK & Ireland), and we all look forward to participating in 2025! Between now and then, we look forward to the upcoming EUROCLAY 2023 in July in Italy (<https://euroclay.aipea.org/>), and also draw your attention to the International Joint Conference Clays Application & Valorization (CAV2022) and Minerals & Materials Sciences (MMS2022) (<https://www.scientevents.com/cav2022/>).



VENUE: Villa Romanazzi Carducci, Bari, Italy

Dates: July 24–27, 2023

TOPICS: Chemistry & Mineralogy, Health & Environment, Applications & Valorization, Materials Sciences, Geology & Engineering, Soils & Sediments, The Universe of Clays

Sessions (preliminary list)

- Clayey materials in radioactive waste repositories.
- Clay-based materials in cultural heritage: from the past to the present.
- Paleoclimate and weathering processes using clay minerals.
- Kaolin group minerals: from traditional applications to advanced functional nanomaterials for industry and environmental protection.
- Clays for carbon capture in soils.
- Functionalized hybrid materials of clay minerals and related materials with optical, photophysical, and photochemical properties.
- Sepiolite, palygorskite, and bentonite: geology, properties, and applications.
- The importance of clays in mineral exploration and geometallurgy.
- Clay minerals in the Solar System.
- Clays in applied life sciences.
- Chemical reactivity at clay/water interfaces in natural surface environments.
- Synthesis experiments to understand natural processes.
- Electronic and mechanical functions of clays and related low-dimensional inorganics.
- Alkali activation of clay-based materials: eco-friendly room-temperature solidification.
- Clay/polymer/metal composites: synthesis, properties, and applications.
- Versatility of using clay minerals in diagenetic and very-low to low grade studies.
- Geochemistry of micro-sized minerals for human health problems: adverse effects and potential applications.
- Clay and zeolite composite materials for health and environmental applications.
- The Universe of Clays: Open session.

Important dates

October 9, 2022	Session Proposal closes
December 1, 2022	Abs Submission opens
March 1, 2023	Abs Submission closes
April 1, 2023	Abs acceptance notification
April 3, 2023	Early bird registration end
May 3, 2023	Presenters must pay their registration fees
May 10, 2023	Final Programme
July 24, 2023	Welcome to EuroClay!
July 28, 2023	Workshop Excursions