

PROGRAM

With

ABSTRACTS

The 13th International Clay Conference
– Claysphere: past, present and future –

and

49th Annual Meeting of the Clay Science Society of Japan



August 21 – 27, 2005

Waseda University, Tokyo, JAPAN

Welcome

Dear Colleagues:

We welcome you to the 13th International Clay Conference at Waseda University in Tokyo, Japan. This conference is organized in collaboration with the 49th Annual meeting of the Clay Science Society of Japan under the auspices of the Association Internationale pour l'Etude des Argiles (AIPEA). We hope that you will find scientific program of this conference interesting and well organized.

The main theme of the conference is "Claysphere". Clays and clay minerals occur ubiquitously in the earth's surface. The materials have been long utilized as natural resources in a wide range of human activities. They also are important materials composing the interface between human life and the earth environment. We design the conference to provide an intimate, focused and relaxed atmosphere for the exchange of ideas among interdisciplinary groups living together in the Claysphere.

Beyond the professional aspects, we hope that you will find the time to expand your contacts and to take in some of delights of Tokyo. You can find various faces of modern Japanese life in Tokyo, while you can find ancient Japanese life in the intra-conference excursion to Nikko.

We look forward to meeting you at the conference and trust that you will leave with a great understanding of and an enhanced interest in the marvelous and enigmatic material we know as clay.

Sincerely,

The Organizing Committee

Conference Sponsorship

The Association Internationale pour l'Etude des Argiles

The Clay Science Society of Japan

Kagami Memorial Laboratory For Materials Science & Technology, Waseda University

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Daily Time Schedule

Time	Sunday, Aug. 21	Location
15:00-19:00	Registration	Entrance Lobby of WICC
17:00-19:00	Welcome Reception	WICC 3-1

Time	Monday, Aug. 22	Location
9:00-17:00	Registration	Entrance Lobby of WICC
10:00-11:00	Opening Ceremony	WICC Ibuka Hall
11:00-11:30	Break	
11:30-12:30	Keynote Lecture “Chiral Aspects of Clay Minerals” Prof. Akihiko Yamagishi	WICC Ibuka Hall
12:30-14:00	Lunch	
14:00-15:20	General Sessions GS02: Clays in Geology GS05: Physical and Chemical Properties of Clays GS07: Characterization of Clays GS08: Clays in Industry GS10: Clays and Environment GS11: Clays and Human Health GS14: Layered Double Hydroxides and Anionic Clays	WICC 3-2 WICC 3-3 14-402 14-408 14-403 14-407 14-401
15:20-15:40	Break	
15:40-17:00	General Sessions GS02: Clays in Geology GS05: Physical and Chemical Properties of Clays GS07: Characterization of Clays GS08: Clays in Industry GS10: Clays and Environment GS11: Clays and Human Health GS14: Layered Double Hydroxides and Anionic Clays	WICC 3-2 WICC 3-3 14-402 14-408 14-403 14-407 14-401
17:00-19:00	Poster Presentations P22-1 ~ P22-64	WICC 3-1
18:00-20:00	AIPEA General Assembly	WICC Ibuka Hall

Time	Tuesday, Aug. 23	Location
09:00-10:30	Symposium S5: Clay Polymer	WICC Ibuka Hall
10:30-11:00	Break	
11:00-12:30	Symposium S3: Advanced Materials	WICC Ibuka Hall
12:30-14:00	Lunch	
14:00-15:20	General Sessions GS02: Clays in Geology GS05: Physical and Chemical Properties of Clays GS07: Characterization of Clays GS10: Clays and Environment GS12: Clay-Biology Interface GS14: Layered Double Hydroxides and Anionic Clays	WICC 3-2 WICC 3-3 14-402 14-403 14-407 14-401
15:20-15:40	Break	
15:40-17:00	General Sessions GS02: Clays in Geology GS05: Physical and Chemical Properties of Clays GS07: Characterization of Clays GS10: Clays and Environment GS12: Clay-Biology Interface GS14: Layered Double Hydroxides and Anionic Clays	WICC 3-2 WICC 3-3 14-402 14-403 14-407 14-401
17:00-19:00	Poster Presentations P23-1 ~ P23-66	WICC 3-1

Time	Thursday, Aug. 25	Location
09:00-10:30	Symposium S1: Interstratified Minerals	WICC Ibuka Hall
10:30-11:00	Break	
11:00-12:30	Symposium S4: Advanced Characterization of Clay Structures and Reactivity	WICC Ibuka Hall
12:30-14:00	Lunch	
14:00-15:20	General Sessions GS02: Clays in Geology GS04: Synthesis of Clays GS05: Physical and Chemical Properties of Clays GS10: Clays and Environment GS15: Advanced Clays and Porous Materials GS16: Clay-Organic Interaction Compounds	WICC 3-2 14-407 WICC 3-3 14-403 14-401 14-402

15:20-15:40	Break	
15:40-17:00	General Sessions GS02: Clays in Geology GS04: Synthesis of Clays GS09: Waste Management and Clay Barriers and Civil Engineering GS10: Clays and Environment GS15: Activated Clays and Porous Materials GS16: Clay-Organic Interaction Compounds	WICC 3-2 14-407 WICC 3-3 14-403 14-401 14-402
17:00-19:00	Poster Presentations P25-1 ~ P25-66	WICC 3-1

Time	Friday, Aug. 26	Location
09:00-10:30	Symposium S2: Exfoliation	WICC Ibuka Hall
10:30-11:00	Break	
11:00-12:40	General Sessions GS01: Teaching Clay Science GS02: Clays in Geology + GS10: Clays and Environment GS04: Synthesis of Clays + GS13: Soil and Non-crystalline Clays GS06: Simulation GS09: Waste Management and Clay Barriers and Civil Engineering GS16: Clay-Organic Interaction Compounds	14-401 14-403 WICC 3-2 14-407 WICC 3-1 14-402
12:40-14:00	Lunch	
14:00-15:20	General Sessions GS03: Crystal Chemistry and Structure of Clays GS06: Simulation GS09: Waste Management and Clay Barriers and Civil Engineering GS13: Soil and Non-crystalline Clays GS15: Activated Clays and Porous Materials GS16: Clay-Organic Interaction Compounds	14-403 14-407 WICC 3-3 WICC 3-2 14-401 14-402
15:20-15:40	Break	
15:40-17:00	General Sessions GS03: Crystal Chemistry and Structure of Clays GS06: Simulation GS09: Waste Management and Clay Barriers and Civil Engineering GS13: Soil and Non-crystalline Clays GS15: Activated Clays and Porous Materials GS16: Clay-Organic Interaction Compounds	14-403 14-407 WICC 3-3 WICC 3-2 14-401 14-402

17:15-18:15	Light Concert	Azusa Ono Memorial Hall
18:30-20:30	Banquet	RIHGA Royal Hotel Tokyo

Time	Saturday, Aug. 27	Location
09:30-11:30	Closing Ceremony	WICC Ibuka Hall
11:30-13:00	Farewell Luncheon	WICC 3-1
13:00-13:30	CSSJ Council Meeting	WICC 4-6
13:30-14:30	CSSJ General Assembly	WICC 3-2