

Pan Pacific International Symposium on Chalcogenide Functional Materials

- Also the IROAST Seminar -

Sponsor: Kumamoto University, and International Research Organization for Advanced Science and Technology (IROAST), Kumamoto University

Date: **10 November 2019 (Sun) – 11 November 2019 (Mon)**

Place: Faculty of Science, 3rd Building, D201 Lecture Room, Kumamoto University

Address: 2-39-1 Kurokami, Chuo-ku, Kumamoto 860-8555, Japan

Scope

International conferences, the main topics of which include “Chalcocenes”, were held nine times at Romania or surrounding countries named “International Conference on Amorphous and Nanostructured Chalcogenides” from 2001 to 2019. The organizer of this symposium, SH, was invited by this conference three times, and the hospitalities by the meeting were excellent. Unfortunately, the chief steering committee member of this meeting, Prof. Mihai A. POPESCU, passed away on 14th of July, 2019.

Although many researchers investigating chalcogenide materials in Japan, such as glasses, phase-change materials (DVD), topological insulators, high-temperature superconductors and so on, only a very few Japanese scientists can join such a meeting, and thus, SH has discussed with a Romanian scientist for the future meeting on chalcogenide sciences. In this symposium, we invited six foreign and seven inland distinguished researchers who are investigating several chalcogenide functional materials with excellent and advanced ideas for the research.

Program

10 November 2019 (Sun)

Chairperson: S. Hosokawa

9:30-9:40

Prof. T. Hiyama (Director of IROAST, Kumamoto University)

“Opening address”

9:40-10:20

Prof. Kazutaka Kudo (Okayama University)

“Superconductivity induced by breaking dimers of IrTe₂ and AuTe₂”

10:20-11:50

Dr. Yoichi Nakajima (Kumamoto University)

“TBA”

(Break)

Chairperson: K. Kudo

11:10-11:50

Dr. Koji Kimura (Nagoya Institute of Technology)

“Local structure of In-doped Bi₂Se₃ topological insulator studied by x-ray fluorescence holography”

(lunch)

Chairperson: K. Kimura

14:00-14:30

Dr. Akihide Koura (Kumamoto University)

“TBA”

14:30-15:10

Dr. Yoshifumi Sakaguchi (CROSS, J-PARC)

“Kinetics of silver photodiffusion into amorphous germanium sulfide probed by in situ neutron reflectivity measurement”

(Break)

Chairperson: Y. Sakaguchi

15:30-16:10

Dr. Adam Lőrinczi (National Institute of Materials Physics, Bucharest, Romania)

“Chalcogenide science in Romania”

16:10-16:50

Prof. László Pusztai, Invited (IROAST, Kumamoto University and Hungarian Academy of Science)

“Reverse Monte Carlo modeling: potentialities for chalcogenide glasses”

16:50-17:30

Dr. Dr. Shinji Kohara (NIMS/JASRI)

“Understanding Diffraction Patterns of Disordered Materials via Persistent Homology Analyses”

(Break)

19:00-21:00

Informal meeting at somewhere near Kumamoto University

11 November 2017 (Mon)

Chairperson: S. Kohara

9:00-9:40

Prof. Anita Zeidler (University of Bath)

“The structure of Ge-Se glasses”

9:40-10:20

Dr. Alexander V. Kolobov (Herzen University and AIST)

“TBA”

(Break)

Chairperson: A. V. Kolobov

10:40-11:20

Prof. Punit Boolchand (University of Cincinnati)

“Progress and challenges in probing melt dynamics, configurational entropy change and topological phases of chalcogenide glasses”

11:20-12:00

Prof. Matthieu Micoulaut (Sorbonne Université)

“Structure and dynamics of chalcogenides”

(Lunch)

Chairperson: L. Pusztai

13:50-14:20

TBA

14:20-14:50

TBA

14:50-15:00

On Special issue paper submission (S. Hosokawa)

Important Dates

30 October 2019 Submission of Abstracts (A4 one page, pdf file, Format free)

Please send to shhosokawa@kumamoto-u.ac.jp

29 February 2020 Special issue paper submission to Physica Status Solidi (b)

Using “pssb submission site”. Review paper for Invited speakers ~10-12 pages; Contributed paper for other presentations ~6 pages

Organizers

Shinya Hosokawa, Fuyuki Shimojo, Masaru Aniya, Masahiro Hara, Ichiro Akai, László Pusztai, Yoichi Nakajima (Kumamoto University) & Shinji Kohara (NIMS)

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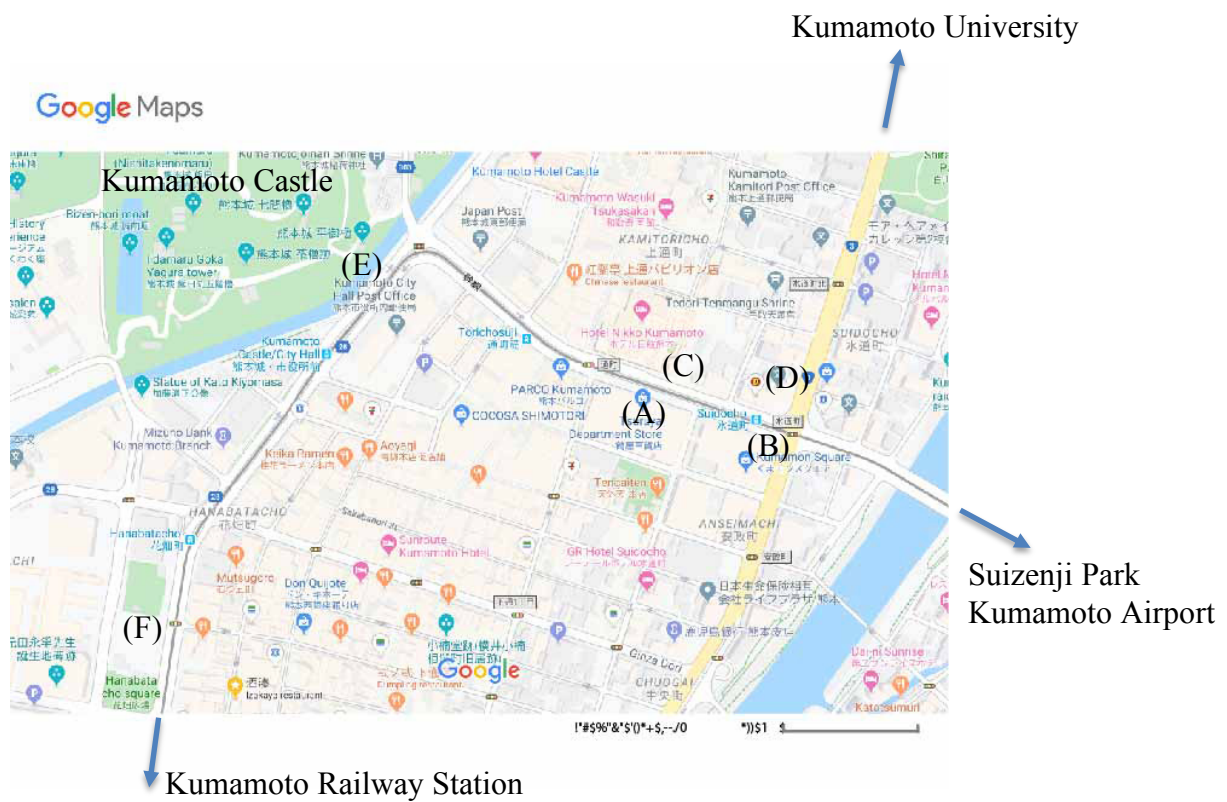
How to reach Kumamoto University

From Kumamoto Airport

1. Take a limousine bus to **Torichosuji**. (A)
2. Take a local bus at one of the bus-stops (C) in the opposite side (See map below), which is indicated **E#-#**.

From Hotels down town

1. From hotels near Suizenji park, take a tram to the west direction and get off at **Suidoucho** stop (B).
2. From hotels near Torichosuji, search for one of the bus-stop (C)-(F).
3. Take a local bus indicated **E#-#**.



Map of Kurokami-Minami Campus

1. Get off at **Kumamoto Daigaku Mae** busstop or next stop.
2. Cross the road safely.
3. The 1st floor (2nd floor in Japanese sense) of building **E3** is the meeting place D211.

