

**International Seminar on Discrete and Computational Geometry**  
**April 4-6 (Monday---Wednesday), 2005**  
**JAIST (Japan Advanced Institute of Science and Technology)**  
**Kanazawa, Japan**



**Goals and Motivation**

Discrete and Computational Geometry has been developed as a subarea of algorithmics and combinatorics, concerned with algorithms and data structures for geometric problems and their discrete and combinatorial properties. These problems are motivated by application areas, such as robotics, computer graphics, pattern and shape matching and recognition, computer vision, image processing, integrated circuit design, structural bioinformatics, and more. Since the mid 1980s, computational geometry has arisen as an independent field with its own international conferences and journals. Goals and motivation of this seminar is to have active discussions and to do research on problems in discrete and computational geometry among participants. Every participant is asked to prepare a short talk within 30 minutes that leads directly to interesting open problems.

**Invited Speakers:**

Naoki Katoh (Kyoto, Japan), Jiri Matousek (Charles U., Czech), Kurt Mehlhorn (Max Planck, Germany), Raimund Seidel (Saarland, Germany), Hisao Tamaki (Meiji, Japan). Takeshi Tokuyama (Tohoku, Japan), Emo Welzl (ETH, Switzerland), Janos Pach (New York, USA), Micha Sharir (Tel-Aviv, Israel)

**Conference Chair:** Tetsuo Asano (JAIST, Japan)

**Contact Information:**

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**Support:**

JAIST COE Project on Safe Electronic Society

(head: Prof. Takuya Katayama, JAIST)

Grant-in-Aid for Scientific Research on Priority Areas “New Horizons in Computing” from Ministry of Education, Science, Sports and Culture.

**Seminar Site and Accommodation:****Tokyu Excel Hotel in Kanazawa**

Tokyu Excel Hotel in Kanazawa

[http://www.tokyuhotels.co.jp/en/TE/TE\\_KANAZ/index.shtml](http://www.tokyuhotels.co.jp/en/TE/TE_KANAZ/index.shtml)

one of the best hotels in Kanazawa just in the middle of the downtown

2-1-1 Korinboh, Kanazawa, Ishikawa 920-0961 Japan

phone: +81-76-231-3912, FAX: +81-76-265-6481

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All the seminar activity is taken place at Tokyu Excel Hotel in Kanazawa, which is located in the heart of Downtown Kanazawa. All the participants stay in the hotel.

**Registration Fee:**

The amount of registration fee will be announced later.

**Facilities:**

Video projector and overhead projector are available.

**Related workshops:**

Dagstuhl seminar on computational geometry: March 13-18, 2005

(Organized by H. Alt, F. Aurenhammer, and D. Halperin)

Oberwolfach workshop: April 10-16, 2005

Discrete Geometry (Organized by Martin Henk, Jiri Matousek, Emo Welzl)

**Transportation****Route 0: Narita – Komatsu – Kanazawa**

1. Arrive in Tokyo/Narita International airport
2. flight from Narita to Komatsu (only one flight in a day: 17:00)

Komatsu airport homepage:

[http://www.pref.ishikawa.jp/k\\_air/flight\\_e.html](http://www.pref.ishikawa.jp/k_air/flight_e.html)

[http://www.pref.ishikawa.jp/k\\_air/index\\_e.html](http://www.pref.ishikawa.jp/k_air/index_e.html)

3. Limousine bus to Kanazawa (45 minutes)

**Route 1: Narita – Haneda – Komatsu – Kanazawa**

3. Arrive in Tokyo/Narita International airport

4. move to Tokyo/Haneda Domestic Airport  
(by JR line Keikyu Line, or Limousine bus)  
Narita Airport homepage:  
[http://www.narita-airport.or.jp/airport\\_e/access/haneda/](http://www.narita-airport.or.jp/airport_e/access/haneda/)  
75 – 110 minutes
3. flight from Haneda to Komatsu  
Komatsu airport homepage:  
[http://www.pref.ishikawa.jp/k\\_air/flight\\_e.html](http://www.pref.ishikawa.jp/k_air/flight_e.html)  
[http://www.pref.ishikawa.jp/k\\_air/index\\_e.html](http://www.pref.ishikawa.jp/k_air/index_e.html)
4. Limousine bus to Kanazawa (45 minutes)

**Route 2: Kansai – Kanazawa**

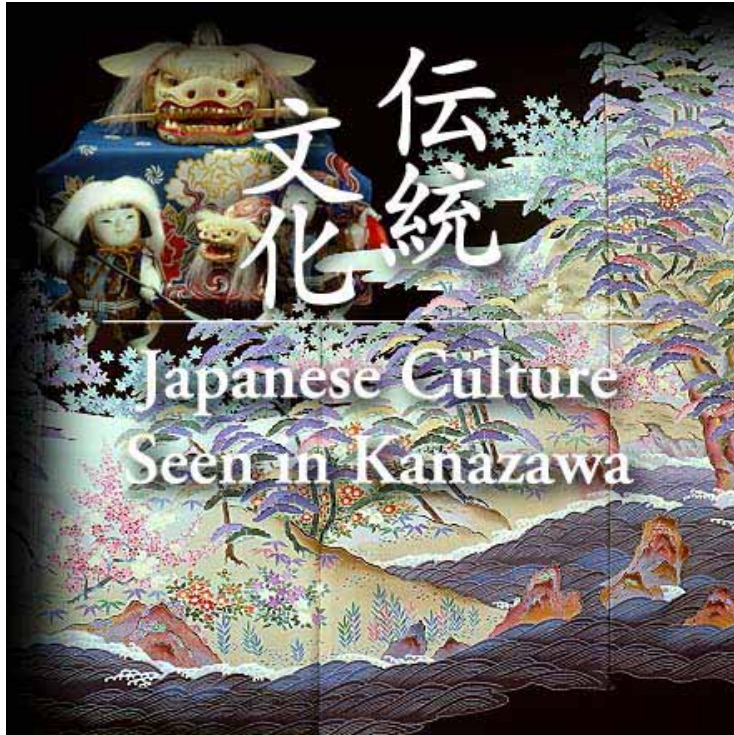
1. Arrive in Osaka/Kansai airport
2. take JR trains
  - 2.1 Limited express HARUKA from airport to Shin-Osaka
  - 2.2 Limited Express Thunderbird from Shin-Osaka to Kanazawa
 About 3.5 hours in total.

**Route 3: Narita – Tokyo – Kanazawa (by train)**

1. Arrive in Tokyo/Narita International airport
2. take JR trains
  - 2.1 JR Limited Express “Narita Express” to Tokyo Station
  - 2.2 Shinkansen from Tokyo to Echigo-Yuzawa
  - 2.3 Limited Express “Hakutaka” to Kanazawa
 more than 5 hours in total.



Map of Japan  
Major cities in Japan



**Kenrokuen Garden,**  
Kanazawa, Japan  
One of the most famous Japanese  
Gardens in Japan



Ishikawa Castle with Cherry Blossoms in the beginning of April, The most beautiful time of the year in Japan.