

## **Fourth International Workshop on Tritium-Material Interactions**

Organized by

Hydrogen Isotope Research Center, University of Toyama

Co-organized by

Grant-in-Aid for Scientific Research for Priority Areas, 476, Tritium Science and Technology for Fusion  
Reactor

### **Topics**

- (1) tritium behavior in fusion machines
- (2) surface reaction, dissolution, diffusion and permeation of tritium and hydrogen isotopes in solids and liquids
- (3) chemical state of tritium and hydrogen isotopes in solid and liquids.
- (4) novel methods for measurement of tritium and hydrogen concentration in solids and liquids.
- (5) tritium decontamination of solid and liquid wastes
- (6) mitigation of tritium permeation

**Date:** September 14(Mon)                      9:00-17:00  
                  September 15(Tue)                9:00-12:15

### **Place:**

Multi-purpose Hall, Faculty of Science, University of Toyama, Gofuku 4548, Toyama, 930-8555, Japan  
(Poster session will be held in Hydrogen Isotope Research Center, University of Toyama)

### **Organization**

Chair persons                      Professor Masao Matsuyama, University of Toyama  
Secretary                            Professor Yuji Hatano, University of Toyama

**Registration Fee:** Free

**Proceedings:** We are planning to publish a book of proceedings.

**Presentation:**

We are planning to have oral (20 min. including discussion) and poster presentation.

Please e-mail the name(s) of author(s) and title to Professor Hatano ([hatano@ctg.u-toyama.ac.jp](mailto:hatano@ctg.u-toyama.ac.jp)) by July 31 together with preference of type of presentation (oral or poster).

**Access to Toyama:**

Direct flights operated by All Nippon Airline (ANA) are available from Sapporo and Tokyo (Haneda) airports.

From Sapporo to Toyama

ANA378	Departure 17:00	Arrival 18:30.
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From Haneda to Toyama

ANA 881	Departure 06:50	Arrival 07:50
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ANA 883	Departure 08:40	Arrival 09:40
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ANA 885	Departure 11:10	Arrival 12:10
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ANA 887	Departure 14:30	Arrival 15:30
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ANA 889	Departure 16:30	Arrival 17:30
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ANA 891	Departure 20:00	Arrival 21:00
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Please check the schedule at <http://www.ana.co.jp/asw/index.jsp?type=e>

For information on train travel, please contact Professor Hatano ([hatano@ctg.u-toyama.ac.jp](mailto:hatano@ctg.u-toyama.ac.jp)).

**Hotels in Toyama**

Crown Plaza ANA Toyama <http://www.crowneplaza.com/>

Toyama Dai-ichi Hotel <http://www.hankyu-hotel.com/en/hotel/toyama/index.html>

Toyama Excel Hotel Tokyu [http://www.tokyuhotelsjapan.com/en/TE/TE\\_TOYAM/index.html](http://www.tokyuhotelsjapan.com/en/TE/TE_TOYAM/index.html)

If you need help for hotel reservation, please contact Professor Hatano ([hatano@ctg.u-toyama.ac.jp](mailto:hatano@ctg.u-toyama.ac.jp)).

## **Tentative Program**

### **September 14**

- 9:00-9:10            Opening
- 9:10-12:10         9 Oral Presentations (20 min for 1 presentation)
- 12:10-13:15        Lunch
- 13:15-15:15        6 Oral Presentations (20 min for 1 presentation)
- 15:30-17:00        Poster Session
- 18:00 -             Unsupported Banquet

### **September 15**

- 9:00-12:00         6 Oral Presentations (20 min for 1 presentation)
- 12:00-12:15        Closing remarks

(13 : 30-16 : 00    Laboratory tour, Hydrogen Isotope Research Center)