

2017 GMSI-GSDM Summer Camp

General information

This year's Summer Camp will bring together 69 participants, specifically, 2 researchers from Japanese companies and 67 Ph.D. students from 23 universities in 15 countries. Participants will be divided into 10 teams, and the task of each team is to present a novel idea for a product or service related to one of the following topics: Energy, Environment, Healthcare, IT and Infrastructure.

To help everyone to get to know each other, there will be a 'Self-introduction Session' and a 'Technical Session'. Everyone is requested to introduce himself/herself in a 1-minute presentation and research in a 5-minute presentation. Your teammates are not experts in your research field, and please keep your presentations somewhat general (i.e., no conference-type talks).

Notes:

If your travel is paid by UT, you **must** give your boarding pass to a GSDM staff at the registration. Please send a scanned copy of the boarding pass for your return flight.

The dress code for the Camp is casual; you do not need any formal clothing. Shinrin-Koen Heritage Resorts has a mixed hot spring ; please bring your swim wear.

Summers in Japan are rather hot and humid, averaging about 30- 35°C on July in Kumagaya.

| | 7 am | 8 | 9 | 10 | 11 | 12 | 1 pm | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------------|------------|---|--------------|-------------------|--------------|-------|--------------------|--------------|----------------|---------|-----------------|-------------------|--------------------------|---|---|
| Fri. July 28 | | | Reg. | Lectures | | Lunch | UT lab tour | | Travel to Camp | | | Self-Introduction | Dinner | | |
| Sat. July 29 | Break fast | | Opening | Technical Session | Team meeting | Lunch | Team meeting | | | | | Dinner | Team meeting (Optional) | | |
| Sun. July 30 | Break fast | | Team meeting | | | Lunch | Final Presentation | | Photo | | | | Award Ceremony & Banquet | | |
| Mon. July 31 | Break fast | | Bus transfer | Museum tour | | Lunch | | Bus transfer | Company visit | Closing | Return to Tokyo | | | | |

Emergency contact

Email: Summer camp organizers and the GSDM_SE office: office@gsdm.t.u-tokyo.ac.jp

TEL: +81-3-5841-1791 (GSDM_SE Office's PHS)

Agenda

Day 1: Friday, July 28, 2017 (@213, 1st Floor, Eng. Bldg. No. 2)

AM: Opening Session

9:30-10:00 **Registration and Travel fee reimbursement**

-UTokyo student: please pay the banquet fee **¥2,000** and put your luggage at Auditorium.

-Non-UTokyo students: please submit the **boarding pass** and receive the reimbursement

Please bring your suitcase with you after check-out on July 28.

10:00-12:00 **Opening Session**

Chair: *Prof. Kanako Harada,*

Department of Bioengineering, School of Engineering, The University of Tokyo

10:00-10:10 **Welcome address**

Mamoru Mitsuishi, Executive Director and Vice President, The University of Tokyo

Satoshi Watanabe, Professor, Department of Materials Engineering, School of Engineering, The University of Tokyo

10:10-10:20 **GMSI GSDM Introduction** from *Prof. Yasuyuki Yokono,*

Department of Mechanical Engineering, School of Engineering, The University of Tokyo

10:20-10:30 **Faculty members Self-introduction**

10:30-11:00 **Plenary Lecture** by *Prof. Masato Koashi*

Photon Science Center, School of Engineering, The University of Tokyo

“Quantum cryptography: Why is it secure?”

11:00-11:30 **Plenary Lecture** by *Mr. Harumi Kato*

Office of Innovation and Entrepreneurship, The University of Tokyo

"Global Entrepreneurship"

11:30-12:00 **Plenary Lecture** by *Prof. Junichiro Shiomi*

Department of Mechanical Engineering, School of Engineering, The University of Tokyo

“Thermal energy engineering from nanoscale”

12:10-13:00 **Lunch** @ Exhibition room (on the 2nd floor)

Address from *Prof. Shigeo Maruyama,*

GMSI Program Leader and Department of Mechanical Engineering, School of Engineering, The University of Tokyo

Address from *Prof. Hideaki Shiroyama,*

GSDM Program Coordinator and Graduate School of Public Policy, The University of Tokyo

PM: Lab. Tour

Please move to the bring **Room 221 (on the 2nd floor)**, bringing your suitcase with you.

13:10-13:20 **Lab. tour introduction** from *Prof. Kanako Harada*

13:20-15:20 **Lab. Tour** 15-25 students/group

Course A: Takagi-Kinefuchi Lab and Nakasuka-Funase Lab by Dr. Kevin, Dr. Yoshimoto, Dr. Yamamoto

13:30- Takagi-Kinefuchi Laboratory, Eng. Bldg. No. 2-61B2 (ex. 26288)

http://www.fel.t.u-tokyo.ac.jp/index_en.html

14:20- Nakasuka-Funase Laboratory, Eng. Bldg. No. 7-101 (ex. 26590)

http://www.space.t.u-tokyo.ac.jp/nlab/index_e.html

Course B: Maruyama-Chiashi Lab. and Gonogami-Yumoto-Ideguchi Lab by Dr. Jeon, Dr. Omachi, Dr. Yamakoshi

13:30- Maruyama-Chiashi Laboratory, Eng. Bldg. No. 2 - 63C2 (ex. 26408)

<http://www.photon.t.u-tokyo.ac.jp/index.html>

14:30- Gonokami-Yumoto-Ideguchi Laboratory, Eng. Bldg. No. 3 (ex. 86410) & Sci. Bldg. No.1 (ex. 27704)

http://www.gono.t.u-tokyo.ac.jp/e_index.html

Course C: Fujita-Dodbiba Lab, and Ohkubo-Wakihara Lab by Dr. Ponou, Dr. Zhang

13:30- Fujita-Dodbiba Lab,

[http://park.itc.u-tokyo.ac.jp/xfujita-lab/_Bldg. No. 4, \[3F, Room 315-319\]\(#\)](http://park.itc.u-tokyo.ac.jp/xfujita-lab/_Bldg.No.4,3F,Room315-319) (ex. 27083)

14:30- Ohkubo-Wakihara Lab,

[http://www.zeolite.t.u-tokyo.ac.jp/_Bldg. No. 3](http://www.zeolite.t.u-tokyo.ac.jp/_Bldg.No.3) (ex.27348)

15:30 In front of Eng.Bldg. No.2

*** Please load your luggage into a bus**

15:30-17:00 Travel to Shinrin-Koen Heritage Resorts by bus

17:00-17:30 Check-in @Shinrin-Koen Heritage Resorts

*** Rooms doors are open, you will find the key in the room.**

17:30-19:00 Self-introduction @Room: Zeus-Poseidon-Prometheus-Aphrodite, the 1st Floor, Training Center Bld.

Chair: Dr. Omachi

19:00 Dinner (Buffet style) @ *Restaurant --To be decided*

Day 2: Saturday, July 29, 2017 (@Shinrin-Koen Heritage Resorts)

AM: Technical Session

7:00-8:30 Breakfast @ *Restaurant --To be decided*

9:00-9:10 Opening Address from Prof. Watanabe, Prof. Maruyama @ Room: Caesar, the 1st Floor, Training Center Bld.

9:10-9:30 Team meeting guidance from Prof. Harada

9:30-11:00 Technical session

5-min presentation summarizing your research * 5 Groups 2 team/Group (Max.18 students)

Group A: Team 1, 2 Dr. Ponou
Group B: Team 3, 4 Dr. Yoshimoto
Group C: Team 5, 6 Dr. Omachi, Dr. Yamamoto
Group D: Team 7, 8 Dr. Jeon, Dr. Zhang
Group E: Team 9, 10 Dr. Kevin, Dr. Yamakoshi

11:00- Team meeting

12:00-13:00 Lunch (Bento style) @ *Restaurant --To be decided*

PM: Team Meeting

13:00-15:20 Team meeting @ Room: Caesar, the 1st Floor, Training Center Bld.

Theme: Energy/ Environment/ Healthcare/ IT/ Infrastructure

15:20-15:40 Coffee break

15:40-18:30 Team meeting @ Room: Caesar, the 1st Floor, Training Center Bld.

18:30-19:30 Dinner @ *Restaurant --To be decided*

19:30 (-22:00) Team meeting (Optional)

Day 3: Sunday, July 30, 2017 (@*Shinrin-Koen Heritage Resorts*)

AM: Team Meeting

7:00-8:30 Breakfast @ *Restaurant --To be decided*

8:30-12:00 Team meeting @ Room: Caesar, the 1st Floor, Training Center Bld.

12:00-13:00 Lunch @ *Restaurant --To be decided*

PM: Final Presentation, Award Ceremony and Banquet

13:00-16:00 Final presentations @ Room: Caesar, the 1st Floor, Training Center Bld..

* 10min presentation+ 5min Q&A (Chair: *Dr. Yoshimoto, Dr. Omachi*)

16:00-16:15 Group Photo

16:25-18:25 Break <Onsen (Hot spring), Swimming pool, etc>

19:00-21:00 Award Ceremony & Banquet @ Room: Caesar, the 1st Floor, Training Center Bld.

Comment for each novel ideas/ Announcement of winners/ Winners Comment

Day 4: Monday, July 31, 2017 (@Shinrin-Koen Heritage Resorts)

Factory Tour

7:00-8:30 Breakfast @ Restaurant --To be decided

8:30-10:00 Free time & Check-out (Please return the key at the front desk)

10:15-11:00 Travel to The Railway Museum by bus

11:00-12:30 Tour@ The Railway Museum * 5 Groups

<http://www.railway-museum.jp/en/>

12:30-12:50 Free visit

12:50-13:30 Lunch @Shinkansen Lounge (3F)

13:30-13:45 Free visit

14:00-14:30 Travel to JR Research Center by bus

<http://www.jreast.co.jp/e/development/>

14:30- 16:00 visit of JR Research Center * 5 Groups

16:00-17:00 Closing & Questionnaire (Mandatory) @ JR Research Center

Closing Address from *Prof. Watanabe*

Certificate Ceremony

Fill out the questionnaire

17:00-18:00 Transfer to UTokyo