

FROM

DREAM

TO

DISCOVERY



SOKENDAI

The Graduate University for Advanced Studies



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If you can imagine it
you can create it.

If you can dream it,
you can become it.

William Arthur Ward



Welcome Note from the President

Congratulations to all of you on your matriculation at the Graduate University for Advanced Studies, or Sokendai.



Sokendai was established in 1988 in affiliation with the former national institutes, which were later transformed into the current Inter-University Research Institutes. Unfortunately, Japanese society has since remained stagnant. The 3.11 earthquake disaster and the yet unresolved nuclear accident have inflicted additional blows. Many problems have burst to the surface and shaken the foundations of our country. Amid this national crisis, the national universities in Japan are more than ever facing critical challenges. In the context of these times, it is important for us to reaffirm the mission and purpose of Sokendai and to join together to achieve our objectives and ideals.

The Sokendai's sole mission is to nurture specialists who combine a high degree of expertise and a broad perspective by enhancing each individual student's strength and by utilizing our organizational structure in the affiliated Inter-University Research Institutes. The qualities of both expertise and perspective are crucial. You will not be able to play an active part in the society unless you develop your expertise. However, the specialized knowledge of your particular area is not enough. You must also cultivate an ability to understand other disciplines. I thus define a broad perspective as the capability of integrating the expertise of different disciplines and emphasize that such capability is directly linked to your future jobs. Expertise in each discipline becomes productive only when it is combined with expertise in other disciplines.

Sokendai continues striving to attain the mission. These attainments are exactly what you will be achieving three or five years from now. The responsibility of Sokendai is grave. At the same time, I also ask you to strive with all your might towards the same goal.

President
Naoyuki Takahata



NII – National Institute for Informatics
NIBB – National Institute for Basic Biology
NIPS – National Institute for Physiological Sciences
IMS – Institute for Molecular Sciences
NIFS – National Institute for Fusion Science
MINPAKU – National Museum of Ethnology
NAO – National Astronomical Observatory

Message from the Student Committee

Warm welcome and hearty congratulations!!

We are very happy to organize this student seminar for you and we hope you have fun, learn new things and make new friends.

As you enter a new phase of your life as a research doctoral student, we would like to congratulate you and wish you good luck for the future.

The theme for this seminar is “From Dream to Discovery.” We selected this theme, because we all agreed that in order to be successful in research, we need to discover something new. Discovery is the prime reward of research and we all strive towards it. But in order to drive us to discovery, we need some fuel which is our dreams. Dreams give us the ability to perceive the unknown and the inspiration and motivation to work towards making it a reality.

The research road we have chosen is not an easy one. We will face several obstacles and will have to take many detours. But as long as we are focused on the finish line, we can get there. The path to discovery requires sweat and toil but the finish is definitely rewarding.

We hope you can get some tips to tackle the obstacles that you may face ahead. And we also hope you get inspired never to give up and get motivated to work hard towards the fulfillment of your dream to make a discovery.

Cheers!

The 2011 Student Seminar Organizing Committee.

"If one advances confidently in the direction of his dreams, and endeavors to live the life which he has imagined, he will meet with a success unexpected in common hours." ~ Henry David Thoreau

Schedule

13TH OCTOBER, 2011

ENTRANCE CEREMONY

Time	Event	Location
12:30 – 13:30	Registration	Sokendai
13:30 – 14:00	Information for entrance ceremony	Lecture Room 2F, Sokendai
14:00 – 14:30	Musical Performance	Lecture Room 2F, Sokendai
14:30 – 15:20	Entrance Ceremony	Lecture Room 2F, Sokendai
15:20 – 15:30	Coffee Break	

STUDENT SEMINAR (DAY 1)

15:30 – 15:45	Welcome by Student Committee Self-Introduction	Lecture Room 2F, Sokendai
15:45 – 15:50	Introduction of Speaker 1	
15:50 – 17:00	Speaker 1 [Dr. Ryuma Shineha] (50mins) + Q&A (20mins)	Lecture Room 2F, Sokendai
17:00 – 17:10	Break	
17:10 – 18:30	Workshop	Seminar Room 103-104, Sokendai
18:30 – 19:00	Check in	Shonan Village Center
19:00 – 20:15	Social Gathering	Cafeteria Shiki 1F, Sokendai
20:15 – 22:00	Night Activities	Seminar Room 103-104, Sokendai
22:00-	Hotel	Shonan Village Center



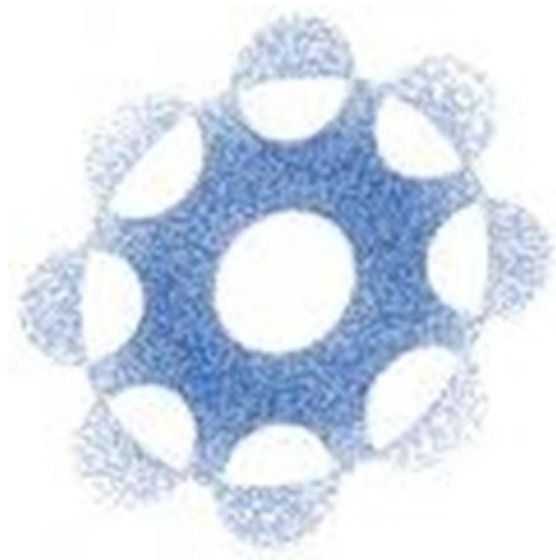
14TH OCTOBER, 2011**STUDENT SEMINAR (DAY 2)**

Time	Event	Location
7:30 – 8:30	Breakfast	Shonan Village Center
8:30 – 9:00	Check-out	If applicable
9:00 – 9:05	Introduction of Speaker 2	Lecture Room 2F, Sokendai
9:05 – 10:15	Speaker 2 [Dr. Yoshitaka Terada] (50mins) + Q&A (20mins)	Lecture Room 2F, Sokendai
10:15 – 10:20	Break	
10:20 – 10:25	Introduction to Speaker 3	Lecture Room 2F, Sokendai
10:25 – 11:35	Speaker 3 [Dr. Kei Sugita] (50mins) + Q&A (20mins)	Lecture Room 2F, Sokendai
11:35 – 11:45	Group Photo	Lecture Room 2F, Sokendai

JAPANESE CULTURE COURSE

11:45 – 12:45	Lunch and Lecture about Japanese tea ceremony	Seminar Room 103-104, Sokendai
12:45 – 13:00	Assemble	
13:00 – 13:40	Depart for Kamakura	
13:40 – 17:30	Cultural Tour	Kamakura
17:30 – 18:30	Depart for Enoshima by bus	
18:30 – 20:30	Dinner and Lecture about Japanese Food	
20:30 – 21:30	Return to Hayama	

**15TH – 16TH OCTOBER, 2011 – JAPANESE LANGUAGE COURSE**



Day 1 of Student Seminar

13th October, 2011

- [15:50 – 17:00] Relationship between Science & Society by Dr. Ryuma Shineha
- [17:00 – 17:10] Break
- [17:10 – 18:30] Workshop
 - ◇ 17:10 – Self Introduction
 - ◇ 17:40 – Group Activity
 - ◇ 18:15 - Discussion
- [20:15 -22:00] Night Activities

Talk 1 – Relationship between Science and Society

By DR. RYUMA SHINEHA

Education:



April 2011 - Assistant Professor, The Graduate University for Advanced Studies (SOKENDAI)

April, 2009 to March, 2011: JSPS Research Fellow (Social Science: Sociology of science/History of Science) March, 2011: Ph.D. (Kyoto University)

March, 2008: Master of Life-science (Laboratory of bioethics and science communication, Graduate school of Bio studies, Laboratory of Bioethics and Science Communication, Kyoto University)

March, 2006: Bachelor of Agriculture (Department of Applied Life Sciences, Faculty of Agriculture, Kyoto University)

E-mail: shineha_ryuma@soken.ac.jp.

Abstract

Deep insights about the relationship between science and society are necessary for scientists and intellectuals. The comprehensive field “STS” gives us a lot of lessons for consideration about science and society. STS stands for “Science, Technology, and Society” or “Science and Technology Studies”, and mainly comprises sociology, history, philosophy of science and technology. More recently, STS also has taken up the topics of science and technology policy (STP) and science communication as major themes. In this lecture, I would like to introduce some basic ideas and approaches of STS, particularly taking up and focusing on the topics regarding the Japanese triple disasters occurred in 3.11.



Workshop

After the talk, the workshop is a time to take a break and organize all your thoughts. It is designed to initiate a thought process and gain new ideas and insights. The workshop activities will allow the participants to recognize and be able to give insight into what it means to be a student in the scientific field, and how they can use this to their advantage.

The workshop will start with a self-introduction. After which, you will be divided into groups. The two main parts of the workshop are the Group Activity and Discussion.

Group Activity:

We will have a group activity which we hope will help you in your journey as a researcher.

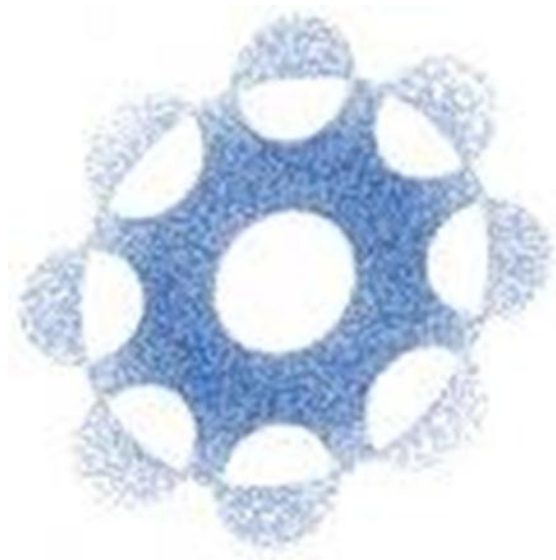
This will be explained to you by a committee member.

Discussion:

The discussion is related to the theme and you're invited to share your opinions and views on pursuing a dream and making a discovery. This discussion is an opportunity for every student to share their opinion and learn about other student's viewpoints. At the end of the allotted time, the group is requested to summarize the points discussed and present them to the other groups.

Night Activities

Several interactive activities have been arranged so that the new students can interact with each other and foster stronger relationships. Through simple activities like quizzes, etc. we will demonstrate how ideas and dreams can turn into discoveries.



Day 2 of Student Seminar

14th October, 2011

- [9:05 – 10:15] Drumming for Empowerment & Social Justice
by Dr. Yoshitaka Terada
- [10:10 – 10:20] Break
- [10:25 – 11:35] Research towards a Dream by Dr. Kei Sugita
- [11:35 – 11:45] Group Photo

Talk 2 – Drumming for Empowerment and Social Justice

By DR. YOSHITAKA TERADA

Education:

Professor of Ethnomusicology in the
Department of Cultural Research, National Museum of
Ethnology (MINPAKU),
Department of Comparative Studies,
The Graduate University for Advanced Studies (SOKENDAI).
Ph.D. 1992, University of Washington



Abstract:

Ethnomusicology is a relatively unknown sub-discipline of anthropology that investigates music as culture. Music was once thought to have an internal logic that is either universal or essentially separate from other spheres of culture, but it is now generally agreed that it is an integral part of human culture. Ethnomusicologists even think that music does not simply reflect culture but actually creates it. My interest in ethnomusicology lies in my desire to explore music making as a venue to achieve social justice and human rights, and my dream is to fully understand the power of music to connect people who may be divided, often hierarchically, for various reasons and to affect people in their sensorial domains toward mutual understanding and reconciliation. With this interest, I have explored the music making practices among marginalized populations, such as lower-caste musicians in India, Asians in North America, and more recently minority groups in Japan. In this lecture, I will describe my recent film project on the drumming among the *buraku* minority community in Osaka as an example of seeking a dream and making discoveries in the process.



Talk 3 – Research towards a Dream

By DR. KEI SUGITA

Career:

Apr 2006 – Today:- Wissenschaftlich Mitarbeiter, GSI Germany

Jun 2004 - Mar 2006:- Post doctor, CEA/Saclay, France

Academic Background:

Apr 2001 - Mar 2004:- The Graduate University for Advanced Studies School of Mathematical and Physical Science, Department of Accelerator Science

Apr 1999 - Mar 2001:- Science University of Tokyo

Apr 1995 - Mar 1999:- Science University of Tokyo

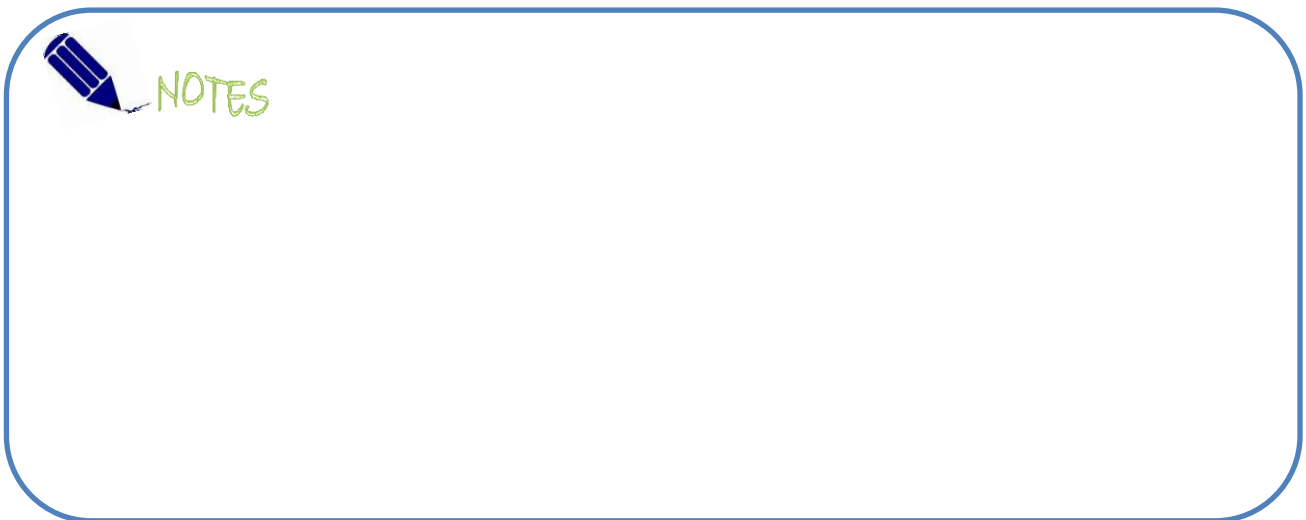
Abstract:

Both scientific research and personal study are towards a certain dream (aim).

Through efforts for the dream, we will discover not only aimed results but also "spin off".

In addition, the experiences by itself are precious, and we gain confidence from them.

In my talk today I will focus on the theme "from dream to discovery" relating it to particle accelerators and superconductivity and also my career.



LIST OF PARTICIPANTS

NO.		NAME	SCHOOL	DEPARTMENT
1	New Students	Kaithakkal Anjali John	Physical Sciences	Astronomical Science
2		Pan Hsi-An	Physical Sciences	Astronomical Science
3		Pandya Shwetang Nalinbhai	Physical Sciences	Fusion Science
4		Terasaki Yoshiro	Physical Sciences	Fusion Science
5		Zhou Haishan	Physical Sciences	Fusion Science
6		Haesuwannakij Setsiri	Physical Sciences	Functional Science
7		Tran Lan Nguen	Physical Sciences	Functional Molecular Science
8		Omet Mathieu	High Energy Accelerator Science	Accelerator Science
9		Phan Hhiem Hong	High Energy Accelerator Science	Particle and Nuclear Physics
10		Nakabayashi Akio	Multidisciplinary Sciences	Statistical Science
11		Doirado Eurico J.T.	Multidisciplinary Sciences	Informatics
12		Hoshino Sho	Multidisciplinary Sciences	Informatics
13		Mishra Neha	Multidisciplinary Sciences	Informatics
14		Nahum Alvarez Ayerza	Multidisciplinary Sciences	Informatics
15		Rahoman Md. Mizanur	Multidisciplinary Sciences	Informatics
16		Case Matthew Julian	Life Science	Physiological Sciences
17		Gupta Rupali	Life Science	Physiological Sciences
18		Kasef Sebnem	Life Science	Physiological Sciences
19		Kawabe Yusuke	Life Science	Physiological Sciences
20		Mohamed Asgar Nur Farehan	Life Science	Physiological Sciences
21		Sun Wuping	Life Science	Physiological Sciences



24	Committee Members	Mahesh Shantilalji Chandak	Physical Sciences	Functional Molecular Science
25		Lihua Zhao	Multidisciplinary Sciences	Informatics
26		Ruijian An	Multidisciplinary Sciences	Informatics
27		Yatsu Ryohei	Life Science	Basic Biology
28		Li Chen	Life Science	Basic Biology
29		Eulalia Annette Coutinho	Life Science	Physiological Sciences
31	Asst. Profs.	Kobayashi Kei	Multidisciplinary Sciences	Statistical Science
32		Sou In	Multidisciplinary Sciences	Statistical Science
33		Maruyama Naomasa	Multidisciplinary Sciences	Statistical Science



Information about the Student Seminar Committee

The Student Seminar Committee consists of students from various departments in SOKENDAI whose main task is to organize the Student Seminar, held every year after the entrance ceremony. Committee members are expected to participate in several meetings during the year held in some of the SOKENDAI departments.

There they discuss matters such as choosing themes, selecting lecturers and deciding the special activities for the next Student Seminar.

New students to SOKENDAI are encouraged to join the Student Seminar Committee (on a voluntary basis, of course).

If you join, you will not only gain experience in working as a team and learn to overcome various problems and challenges, but also make new friends in the process too!

(Please be advised that the Student Seminar Committee represents part of the SOKENDAI inter-departmental & student activities, so SOKENDAI will cover the cost of travel, accommodation and daily allowances according to the university guidelines)

†.



STUDENT SEMINAR, OCTOBER 2010



Supplementary Information

→ Important Contact Numbers

◆ The medical office (a nurse is stationed) will be available at the Hayama Campus during the Student Seminar.

So if you feel unwell or had any injury, please contact with the CPIS members' teacher or Student seminar committee member immediately then use the medical office accordingly.

※The medical office open hours : Oct 13th : 12:30-22:30; Oct 14th : 9:00-13:30

Please refer to the map of "SOKENDAI Main Building".

◆ As for the lecture on Oct 14th (Fri.), 15th(Sat.) and 16th(Sun.), the CPIS' teachers will accompany you, so please ask them (CPIS' teachers) directly in case of any injury, accident, health trouble etc.

(Person in charge : [Dr.Iwase:080-2032-5986](tel:080-2032-5986) / [Dr.Okumoto: 080-1164-5675](tel:080-1164-5675))

Of course, you may ask the Student seminar committee members as well if they accompany you..

◆ Contact window during the night time(※) : Front desk of the accommodation
(Shonan Village Center/[Tel:046-855-1800](tel:046-855-1800))

※Front desk open hours : Oct 13th : 22:00-8:30; Oct 14th : 21:30-8:30;

Oct 15th : 20:00-8:30

→ Bus Stop and Shop Information around Sokendai



LET US LEARN TO DREAM, GENTLEMEN,
THEN PERHAPS WE SHALL FIND THE
TRUTH...

BUT LET US BEWARE OF PUBLISHING OUR
DREAMS TILL THEY HAVE BEEN TESTED BY
WAKING UNDERSTANDING.

— (FRIEDRICH) AUGUST KEKULÉ
(Principal founder of the theory of chemical structure)



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