

ISCMS

**International Symposium on
Chemistry and Materials Sciences
2018**

PROGRAM BOOK

*International Symposium on
Chemistry and Materials Sciences
2018*

Soka University Campus, Hachioji, Tokyo, JAPAN

August 23-24

Organized by
SOKA UNIVERSITY and UNIVERSITI SAINS MALAYSIA

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International Symposium on Chemistry and Materials Sciences 2018

General Information

Dates

August 23 (Thu) - August 24 (Fri), 2018

Venue

Soka University Campus

1-236 Tangi-machi, Hachioji, Tokyo 192-8577 JAPAN

Organising Committee:

Prof Dr Masato M Ito (Coordinator from SU)

Prof Dr Akio Shimizu (Travel and Accommodation)

Prof Dr Junichi Ida (Venue and Logistics)

Prof Dr Shinsaku Maruta (Program and Sessions)

Prof Dr Yeap Guan Yeow (Coordinator from USM)

Registration

August 23 (Thursday) 9:00-9:25

Place: Bldg. E, 2nd Floor

Thursday, August 23 (Day 1)

Opening Remarks 9:30

Session I (Room 207)

Chairman: Prof. Guan-Yeow Yeap

1-OP 9:50

"Research Activities at Physical Chemistry Section"

Afidah Abdul Rahim

School of Chemical Sciences, Universiti Sains Malaysia

2-OP 10:10

"Synthesis, Characterization, Mesomorphic and Magnetic Properties of Trisubstituted Phenyl Derivatives Containing Biphenyl Ester and Aromatic Imine Fragments with *o*-Ethoxy Substituent"

Amanina Iskandar¹, Guan-Yeow Yeap¹ and Masato M Ito²

¹Liquid Crystal Research Laboratory, School of Chemical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia, ² Faculty of Science & Engineering, Soka University, 1-236 Tangi-cho, Hachioji, Tokyo 192-8577, Japan

3-OP 10:30

"Synthesis, Characterization and Biological Studies on Fluorene-based Compounds Armed by Pyridine and Quinoline"

Syarmila Ishak¹, Guan-Yeow Yeap¹, Shanmugapriya², Sreenivasan Sasidharan² and Masato M Ito³

¹Liquid Crystal Research Laboratory, School of Chemical Sciences, Universiti Sains Malaysia, 11800 Minden, Penang, Malaysia. ²Institute for Research in Molecular Medicine, Universiti Sains Malaysia, 11800 Minden, Penang, Malaysia. ³Faculty of Science & Engineering, Soka University, 1-236 Tangi-cho, Hachioji, Tokyo 192-8577, Japan

Coffee Break (10:50-11:00)

Session II (Room 207)

Chairman: Prof. Shinsaku Maruta

4-OP 11:00

"Photo-regulation of Small GTPase Ras using photochromic molecules"

Masahiro Kuboyama, Nishibe Nobuyuki, Taii Kenichi and Shinsaku Maruta

Department of Bioinformatics, Graduate School of Engineering, Soka University

Department of Bioinformatics, Graduate School of Engineering, Soka University, e16m5608@soka-u.jp

5-OP 11:20

"Photochromic inhibitor composed of spiropyran or azobenzene can photoregulate the kinesin Eg5 activity"

Kei Sadakane, Islam MD Alrazi, Kenichi Taii and Shinsaku Maruta
Department of Bioinformatics, Graduate School of Engineering, Soka University

6-OP 11:40

"Photo-regulation of mitotic kinesin Eg5 using photochromic compounds which forms three isomerization states"

Islam MD Alrazi, Kei Sadakane and Shinsaku Maruta
Department of Bioinformatics, Graduate School of Engineering, Soka University

LUNCH (12:00-14:00)

Place: New Prince Hall S-bldg 1st floor
Meal type: Halal foods

Session III (Room 207)

Chairman: Prof. Akio Shimizu

7-OP 14:00

"The influence of molecular structure of ionic liquids on cellulose solubility"

Yuta Tomimatsu and Akio Shimizu
Graduate School of Environmental Engineering for Symbiosis, Soka University

8-OP 14:20

"Temperature dependence of solution structure from dynamic properties of Propylammonium nitrate/water mixtures"

Yuichi Izumi and Akio Shimizu
Graduate School of Environmental Engineering for Symbiosis, Soka University

9-OP 14:40

"Mitigation of Toxic *Alexandrium Tamiyavanichii* using Chitosan-silica Composite"

Anwar Iqbal¹, Najwa Ahmad² and Normawaty Mohammad Noor²
¹School of Chemical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia
²Department of Marine Science, Kulliyah of Science, International Islamic University Malaysia, Jalan Sultan Ahmad Shah, Bandar Indera Mahkota, 25200 Kuantan Pahang, Malaysia

Coffee Break (15:00-15:10)

Session IV (Room 207)

Chairman: Prof. Afidah Abdul Rahim

10-OP 15:10

"Photosensitive Polymers Containing Benzylidene Ketone as Florescent Chemosensor for Heavy Metal Ions"

Wan-Leng Lim, Hoay-Ching Ong and Chuan-Wei Oo

School of Chemical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia

11-OP 15:30

"Artificial tactile nerves based on hetero-core optic fiber sensors"

Hiroshi Yamazaki, Michiko Nishiyama, and Kazuhiro Watanabe

Faculty of Science and Engineering, SOKA University

12-OP 15:50

"Trace measurement with optical fiber spectroscopic cell fabricated by femtosecond laser"

Masahiko Shiraishi¹, Kazuhiro Watanabe² and Shoichi Kubodera²

¹Department of Information Systems Science, Faculty of Science and Engineering, Soka University, 1-236, Tangi-machi, Hachioji, Tokyo, 192-8577

²Department of Science and Engineering for Sustainable Innovation, Faculty of Science and Engineering, Soka University, 1-236, Tangi-machi, Hachioji, Tokyo, 192-8577

Coffee Break (16:10-16:20)

Keynote Lecture 16:20-17:00 (Room207) Chairman: Prof. Masato M Ito

"Functionality design of heteroaromatic compounds"

Prof. Atsunori Mori

Department of Chemical Science and Engineering, Kobe University

MIXER

August 23 (Thursday) 17:30-

Place: New Prince Hall S-bldg 1st floor

Friday, August 24 (Day 2)

Session V (Room207)

Chairman: Prof. Junichi Ida

13-OP 9:30

"Removal of Heavy Metals using S-Quinolin-2-Yl-Methyldithiocarbamate Functionalized Magnetic Nanoparticles"

Mazidatulakmam Miskam¹, Ahmad Jazmi Abdul Rahman¹ and Fiona How Ni Foong²

¹School of Chemical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia

²Department of Chemistry, Kulliyah of Science, International Islamic University Malaysia, Jalan Sultan Ahmad Shah, Bandar Indera Mahkota, 25200 Kuantan, Pahang, Malaysia

14-OP 9:50

"Alkali Metal Hydrides Modification on Chemical Hydrides for Improved Dehydrogenation"

Yong Shen Chua¹, Ping Chen², Zhitao Xiong² and Hui Wu^{3,4}

¹School of Chemical Sciences, Universiti Sains Malaysia, 11800 Penang, Malaysia, ²Dalian Institute of Chemical Physics, 116023 Dalian, Liao Ning, China, ³NIST Center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, Maryland 20898-6102, United States, ⁴Department of Materials Science and Engineering, University of Maryland, College Park, Maryland 20742, United States

15-OP 10:10

"A Simple Synthesis Method of Thermoresponsive Polymer Immobilized Magnetite Nanoparticles for Heavy Metal Ions Recovery"

Kodai Hayashi, Junichi Ida, Tatsushi Matsuyama

Department of Environmental Engineering for Symbiosis, Faculty of Engineering, Soka University

Coffee Break (10:30-10:50)

Session VI (Room 207)

Chairman: Prof. Masato M Ito

16-OP 10:50

"Preparation of Amine Modified Bimodal Mesoporous Silica Particles for CO₂ separation"

Younghee Lee, Junichi Ida, Tatsushi Matsuyama

Department of Environmental Engineering for Symbiosis, Faculty of Engineering, Soka University

17-OP 11:10

"Effect of power frequency on various organic compounds(VOCs) decomposition using nonthermal plasma reactor combined with ceramic filter"

Tsubasa Eto, Junichi Ida, Tatsushi Matsuyama

Department of Environmental Engineering for Symbiosis, Faculty of Engineering, Soka University

18-OP 11:30

"Software for handling the WURCS glycan representation"

Kiyoko F. Aoki-Kinoshita

Department of Bioinformatics, Graduate School of Engineering, Soka University

Closing Remarks 11:50-12:00

by both Coordinators Prof. Guan-Yeow Yeap, Prof Masato Ito

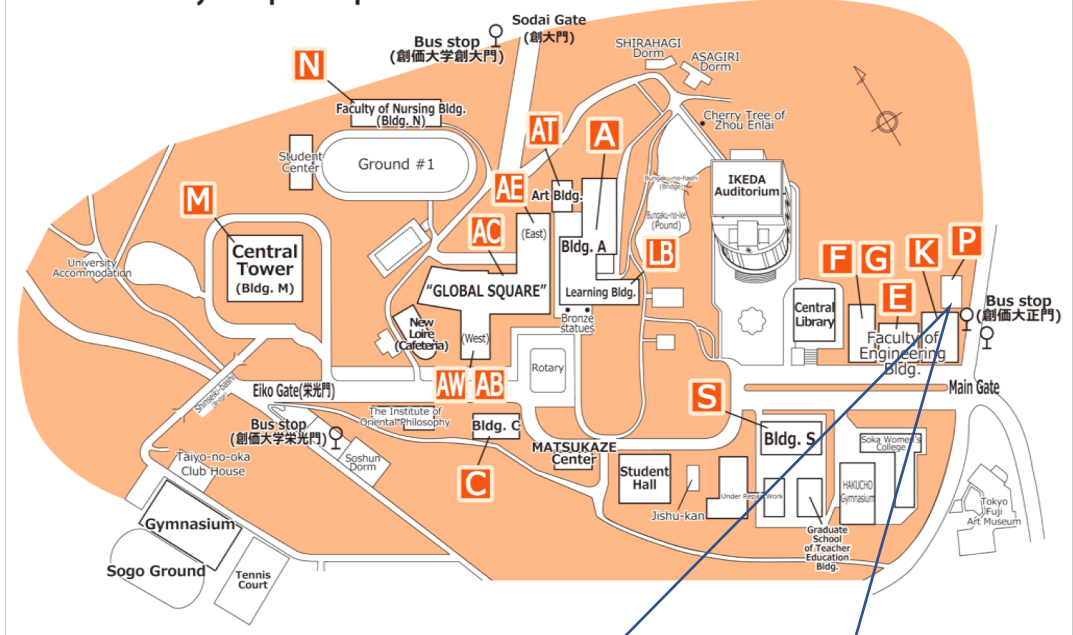
LUNCH (12:00-14:00)

Place: New Prince Hall S-bldg 1st floor

Meal type: Halal foods

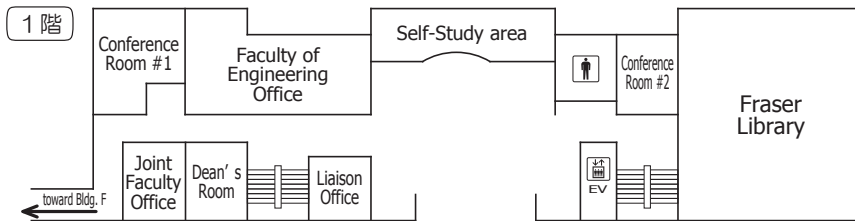
Overviewing of Laboratories & Participant Dialogs 14:00-

Soka University Campus Map

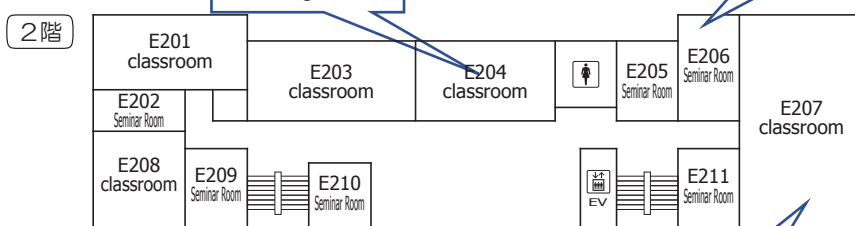


Floor Map [Faculty of Engineering / Bldg. E]

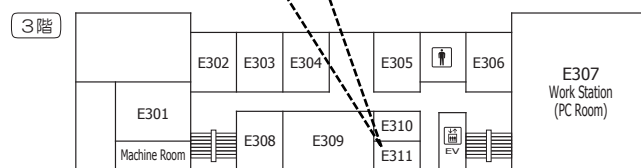
1st Floor



2nd Floor



3rd Floor



Hotel Information and Map

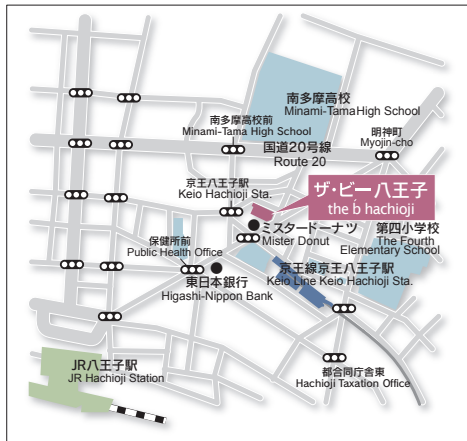
the b hachioji

4-6-12 Myojin-cho- Hachioji - Tokyo

Phone: +81 (0)42-646-0111,

Fax: +81 (0)42-646-0004

E-mail: hachioji@theb-hotels.com

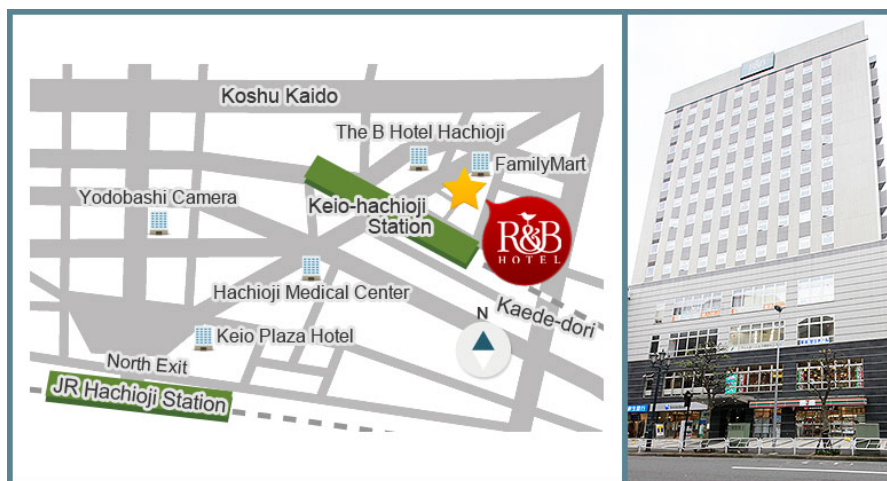


R&B Hotel Hachioji

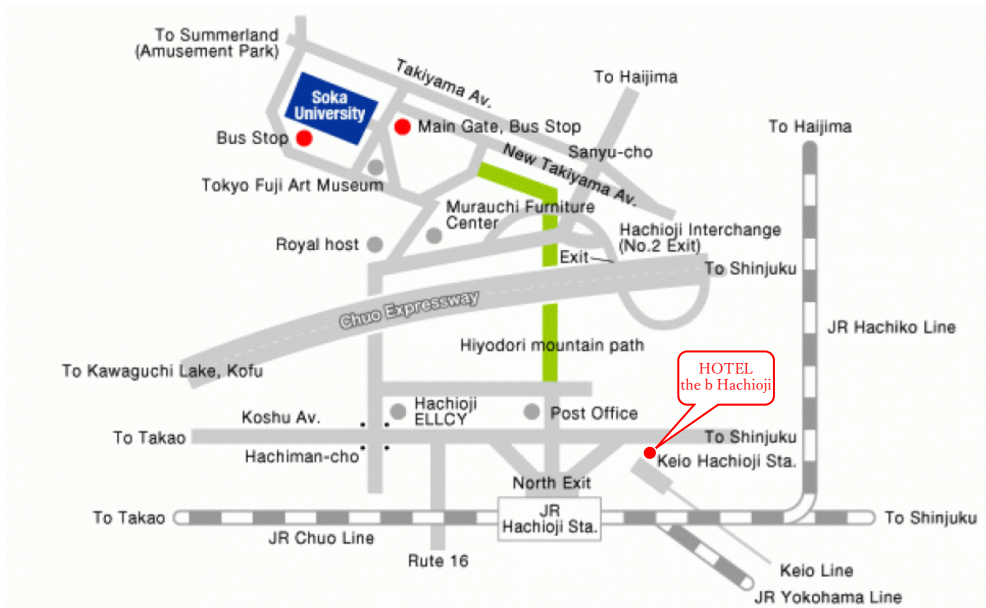
2-26-9 Myojincho Hachioji, Tokyo 192-0046

TEL:+81-92-473-9898

FAX:+81-92-434-7577



Access to the Soka University from Hotel

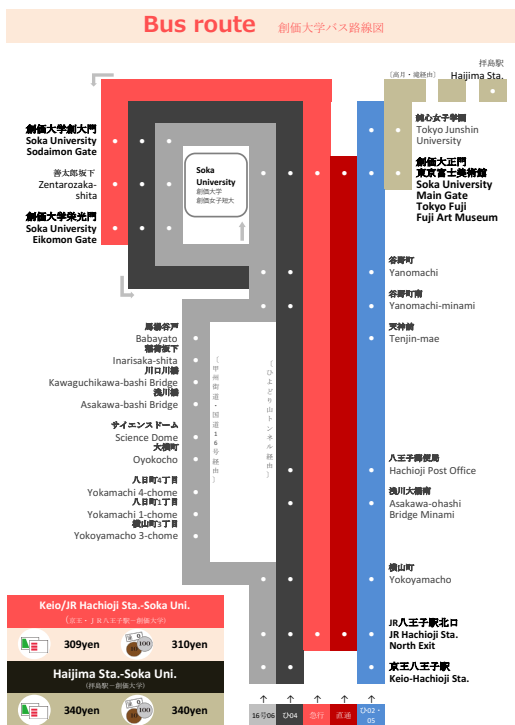


SOKA UNIVERSITY

1-236 Tangi-machi, Hachioji City, Tokyo, 192-8577 Japan

Tel : +81-42-691-2215 Faxl : +81-42-691-9300

- About 25 minutes (6 kilometers) by bus from the north exit of Hachioji Station, which is roughly 50 minutes from Shinjuku Station by JR Chuo Line or Keio Line.
- About 2 kilometers northwest of the Hachioji Interchange on the Chuo Expressway.



How to ride the bus ご乗車方法

STEP1

When entering the bus, please touch your Suica / PASMO or take a fare ticket

バス乗車後、Suica・PASMOをタッチするか、整理券をお取りください。

STEP2

When you hear your destination, please press the "please stop" buzzer and wait until the bus is fully stopped.

降りたいバス停の案内を聞いたら、ブザーを押して、バスが止まるまでお待ちください。

STEP3

When exiting the bus, touch your Suica/PASMO card or with your fare ticket and exact change, put them into the machine.

降りる際は、Suica/PASMOをタッチするか、整理券とちようどの現金をすべて運賃箱へ入れてください。

i You can also charge your Suica / PASMO if you have bills like 1,000 yen. Tell the driver and follow the steps.

1,000円札をお持ちの場合は、Suica/PASMOにチャージできますので、運転士へお申し付けください。

Bus Time Table Hachioji Station - Soka University

Time Table (Weekday) 平日時刻表

JR八王子駅北口14番のりば/11番のりば/12番のりば

JR Hachioji Sta. North Exit North Exit BusTerminal 14					JR Hachioji Sta. North Exit North Exit BusTerminal 12															
6	12	25	45	51	12	31	39	52												
7	00	15	27	35	48	13	09	22	39	52										
8	00	06	12	16	22	24	27	28	31	35	42	46	50	57						
9	09	12	24	26	33	41	42	52	57	14	09	22	39	52						
10	03	06	09	13	14	18	24	26	35	44	55	57	15	09	22	39	52			
11	09	13	22	24	37	43	52	57	16	14	39	48	17	02	11	23	32	39	55	
12	09	13	22	24						18	02	22	36	52	19	22	36	52		
										20	22	39	55	21						
										22										

Soka University Main Gate → JR・Keio Hachioji Sta.					Soka University Eikomon Gate → JR・Keio Hachioji Sta.					Soka University Sodaimon Gate → JR・Keio Hachioji Sta.																		
5					5	18	38	51		5	14	31	44															
6					6	13	14	28	43	50	6	06	07	21	36	43	56											
7	55				7	03	16	23	35	36	51	54	8	09	16	28	29	44	47	54								
8	00	05	10	40	8	01	12	13	27	32	42	54	56	9	05	06	20	25	35	47	49							
9	47				9	10	12	15	27	32	34	41	47	54	10	05	08	20	25	27	34	40	47					
10	38				10	11	12	25	41	52	11	05	18	34	45	11	05	18	34	45								
11	02	25	47		11	11	25	41	52	12	04	18	34	45	12	04	18	34	45									
12	02	17	32	47	12	11	25	41	52	13	04	18	34	45	13	04	18	34	45									
13	02	17	32	47	13	11	25	41	52	14	04	18	34	45	14	04	18	34	45									
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16	02	17	27	33	49	16	11	25	37	43	54	17	06	20	36	47	55	17	06	20	36	47	55					
17	12	17	27	37	40	50	17	02	13	27	43	54	18	06	20	35	50	52	18	06	20	35	50	52				
18	00	05	10	22	32	38	51	18	02	13	27	42	57	59	19	03	18	33	38	48	52	19	03	18	33	38	48	52
19	02	22	43	58	19	10	25	40	45	55	59	20	03	18	33	38	48	55	20	03	18	33	38	48	55			
20	05	18	30	40	50	58	20	10	25	40	45	55	21	03	18	28	41	57	21	03	18	28	41	57				
21	05	10	20	28	21	02	10	25	35	48	22	04	14	29	47	22	07	22	40	22	07	22	40					
22					22	04	14	29	47	23					23					23								
23	10	53	0	31	23																							

Hajijima Sta. →Soka University		Soka University →Hajijima Sta.			
7	20	54	7		
8	08	30	50	8	58
9	34		9		
10	34		10	03	
11	45		11	13	
12	56		12	23	
13	45		13	13	
14	56		14	23	43
15			15	38	
16	30		16	13	58
17	04	30	17	43	
18	20		18	13	28
19	05		19	28	
20	00		20	38	
21	10		21	48	
22	20		22		

notes		
00	直通	創価大正門・東京富士美術館 行き
00	急行	創価大学循環栄光門 行き
00	ひ05	純心女子学園 行き
00	ひ02	創価大正門・東京富士美術館 行き
00	ひ04	創価大学循環（ひよどり経由）
00	16号06	創価大学循環（八日町経由）
00	深夜	JR・京王八王子駅 行き（八日町経由） Late night bus（※price will double）