

MIRAI PROJECT

Y. Watanabe, Nagoya U

1st Meeting

University Presidents' Summit hosted by Nagoya Univ.

(Oct. 3rd, 2015 @Swedish Embassy, Tokyo)

Presentations:

- **The Swedish Universities in a Global World**
by Prof. Harriet Wallberg, Univ. Chancellor, Swed. Higher Ed. Authority
- **Strategic and Comprehensive Internationalization**
by Dr. Andreas Göthenberg, STINT
- **Internationalization Efforts in Swedish Higher Education**
by Prof. Helen Dannetun, Chair, Assoc. Swed. Higher Ed.
- **Internationalization Efforts at Japanese National Univ.**
by Prof. Susumu Satomi, President, Jpn. Assoc. National Univ.
- **Karolinska Institute: an International Medical Univ.**
by Prof. Andres Hamstern, President, Karolinska Inst.
- **Internationalization Efforts at Japanese Private Univ.**
by Prof. Norimasa Morita, vice President, Waseda Univ.

Round Table Discussions:

- **Future Prospects for Japan-Sweden Research Collaboration and Student Exchange**
- **Strategic Alliances and Networks**
- **Next Step**

Participants from Sweden (8 Universities and 4 Organizations)

- Prof. Stefan Bengtsson, President and CEO, **Chalmers Univ Tech**
- Prof. Helen Dannetun, Vice-Chancellor, **Linköping Univ**/Chair, Assoc Swedish Higher Education
- Dr. Edvard Fleetwood, Senior Adviser, **Royal Swedish Acad. Eng. Sci.**
- Prof. Peter Gudmundson, President, **KTH**
- Prof. Lena Gustafsson, Vice-Chancellor, **Umeå Univ**
- Dr. Andreas Göthenberg, Exec Director, **STINT**
- Prof. Anders Hamsten, Vice-Chancellor, **Karolinska Inst**
- Prof. Anders Malmberg, Deputy Vice-Chancellor, **Uppsala Univ**
- Mr. Magnus Robach, **Ambassador of Sweden to Japan**
- Prof. Astrid Söderbergh Widding, Vice-Chancellor, **Stockholm Univ**
- Prof. Harriet Wallberg, Chancellor, **Swedish Higher Edu Authority**
- Prof. Eva Wiberg, Deputy Vice-Chancellor, **Lund Univ**
- Prof. Viktor Öwall, Dean of Eng, **Lund Univ**

Participants from Japan (14 Universities and 2 Organizations)

- Dr. Yuichiro Anzai, President, **JSPS**
- Dr. Ken Furuya, Executive Vice-President, **Univ Tokyo**
- Dr. Jiro Kokuryo, Vice-President, **Keio Univ**
- Dr. Chiharu Kubo, President, **Kyushu Univ**
- Mr. Hideto Matsumoto, Director, Higher Education Bureau, **Ministry Education**
- Dr. Seiichi Matsuo, President, **Nagoya Univ**
- Dr. Yoshinao Mishima, President, **Tokyo Inst. Tech.**
- Dr. Kohei Miyazono, Dean of Med, **Univ Tokyo**
- Prof. Junichi Mori, Vice-President, **Kyoto Univ**
- Dr. Norimasa Morita, Vice-President, **Waseda Univ**
- Dr. Kyosuke Nagata, President, **Univ Tsukuba**
- Dr. Shojiro Nishio, President, **Osaka Univ**
- Dr. Hajime Nishitani, Vice-President, **Hiroshima Univ**
- Dr. Susumu Satomi, President, **Tohoku Univ**/President, Japan Assoc Natl Univ
- Dr. Miki Sugimura, Vice President, **Sophia Univ**
- Dr. Ichiro Uyeda, Executive and Vice-President, **Hokkaido Univ**
- Dr. Yoshihito Watanabe, Trustee/ Vice-President, **Nagoya Univ**
- Dr. Yasuyuki Yoshizawa, President, **Tokyo Med Dent Univ**



2nd Meeting

未来

MIRAI

MIRAI Project Kick-off Meeting /1st Scientific Committee Meeting (Oct. 1st, 2016 @Kyoto University)

Presentations:

- Outline of MIRAI Project - Topics, Structure and State of Art
by Lund Univ, Umeå Univ and Uppsala Univ
- Proposals from Japanese Members: Desired Target Disciplines and Themes
by Kyoto Univ, Kyushu Univ, Sophia Univ, Univ Tokyo, Waseda Univ

Scientific Committee (SC):

- 2017 MIRAI Activities
- Governance, Management and Finance of MIRAI, etc.



2nd Meeting

未来

MIRAI

MIRAI Project Kick-off Meeting /1st Scientific Committee Meeting (Oct. 1st, 2016 @Kyoto University)

Proposed Activities:

- Seminars, Workshops, PhD Courses, Short Term Mobility, Cultural Awareness Seminars

Target Disciplines and Themes:

- Sustainability is the overall project theme (with the SDGs in mind)
- Sustainability issues, Ageing, Materials Science -

Steering Committee:

- Swedish Side: Lund, Uppsala, and Umeå
- Japanese Side: Nagoya, Waseda, Tokyo

Term of the MIRAI Project:

- 2017 – 2019 (1st phase)

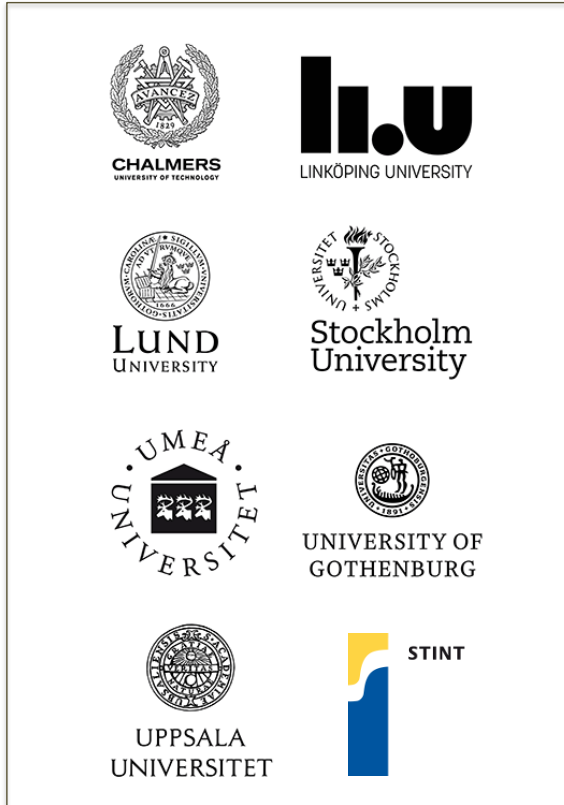


2nd Meeting

未来

MIRAI

Eventually, MIRAI started with 15 Universities and STINT



1st MIRAI Seminar @Lund

October 17-19, 2017

未来

MIRAI

October 16

Welcome reception

October 17

Presentations (1)

- Japanese strategy for the use of large-scale research infrastructure
- Collaboration for knowledge - research policy in Sweden

Panel Discussion – Challenges for future science

Presentations (2)

- JSPS
- STINT
- Science in our communities: A Swedish perspective

Parallel Scientific Sessions with Ageing, Materials Science, and Sustainability

Innovation within MIRAI: Towards a bi-national model

October 18 -19

Parallel Scientific Sessions: Ageing, Materials Science, and Sustainability

October 19 (afternoon)

Optional site visits to research infrastructure: Max IV & ESS

2nd MIRAI Seminar @Tokyo

October 9 -12, 2018

未来

MIRAI

October 9

STC Pre-meeting, SC and Welcome Reception

October 10 (150th Anniversary of Japan – Sweden Diplomatic Relations)

Opening Ceremony

- Ambassador of Sweden in Japan, Minister of Education, Presidents of Lund, Univ. of Tokyo and Nagoya Univ.

Two Keynote Lectures

- Prof. Anders Ynnerman (Linköping Univ.) and Prof. Hiroshi Amano (Nagoya Univ.)

Panel Discussion – For the Sustainable Society

Presentations

- JSPS • JST • AMED • STINT • VINNOVA • Swedish Research Council

150th Anniversary Banquet

October 11 -19

Parallel Scientific Sessions with Ageing, Materials Science, and Sustainability

October 19 (afternoon)

Parallel Scientific Sessions with Ageing,
Materials Science, and Sustainability

Innovation within MIRAI:
Towards a bi-national model



150

SWEDEN-JAPAN
日本 スウェーデン 2018

Tuesday, October 9 (Venue: Campus Innovation Center, Tokyo Institute of Technology)
Scientific Committee Meeting

14:00-16:00	Steering Committee (STC) Pre-meeting
16:30-17:30	Scientific Committee (SC)
19:00-21:00	Welcome Reception (buffet style) <i>by Invitation Only</i> Venue: <i>Ambassador's Residence, Embassy of Sweden in Tokyo</i>

Wednesday, October 10 (Venue: Yasuda Auditorium, The University of Tokyo)

MIRAI Plenary Session

Theme: Sustainable Social System and Technology for Ageing Society

9:30-10:00	<p>Opening Ceremony <i>President Seiichi Matsuo (Nagoya University)</i> <i>Vice Chancellor Torbjörn von Schantz (Lund University)</i> <i>Minister Yoshimasa Hayashi</i> <i>(Ministry of Education, Culture, Sports, Science and Technology)</i> <i>Ambassador Magnus Robach (The Embassy of Sweden in Tokyo, Japan)</i> <i>President Makoto Gonokami (The University of Tokyo)</i></p>																
10:00-10:20	<p>Japan-Sweden Joint Statement Signing Ceremony ~Strengthening Science and Technology Cooperation~</p>																
10:20-10:30	Group Photo																
10:30-11:30	Keynote Lecture(1) <i>Prof. Anders Ynnerman (Linköping University)</i>																
11:30-11:50	Break																
11:50-12:50	Keynote Lecture(2) <i>Prof. Hiroshi Amano (Nagoya University)</i>																
12:50-14:10	Lunch																
14:10-15:55	<p>Panel Discussion <i>Moderators: Mr. Stefan Noreén (Former Swedish Ambassador to Japan)</i> <i>Prof. Haruko Noguchi (Waseda University)</i></p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;">Part 1</td> <td style="vertical-align: top;">Part 2</td> </tr> <tr> <td><i>Dr. Björn Slaug (Lund Univ)</i></td> <td><i>Dr. Yoshihiko Kadoya (Hiroshima Univ)</i></td> </tr> <tr> <td><i>Dr. Masateru Higo (Kyushu Univ)</i></td> <td><i>Dr. Silke Kern (Göteborg Univ)</i></td> </tr> <tr> <td><i>Dr. Martin Andersson</i> <i>(Chalmers Univ of Technology)</i></td> <td><i>Dr. Ken Aoki (Sophia Univ)</i></td> </tr> <tr> <td><i>Dr. Yasuhide Inokuma (Hokkaido Univ)</i></td> <td><i>Dr. Marta Bally (Umeå Univ)</i></td> </tr> <tr> <td><i>Dr. Yuto Kitamura (The Univ of Tokyo)</i></td> <td><i>Dr. Katarina Bendtz (Stockholm Univ)</i></td> </tr> <tr> <td><i>Dr. Susanne Kelfve (Linköping Univ)</i></td> <td><i>Dr. Takuji Yamada</i> <i>(Tokyo Institute of Technology)</i></td> </tr> <tr> <td><i>Dr. Malgorzata Blicharska</i> <i>(Uppsala Univ)</i></td> <td></td> </tr> </table>	Part 1	Part 2	<i>Dr. Björn Slaug (Lund Univ)</i>	<i>Dr. Yoshihiko Kadoya (Hiroshima Univ)</i>	<i>Dr. Masateru Higo (Kyushu Univ)</i>	<i>Dr. Silke Kern (Göteborg Univ)</i>	<i>Dr. Martin Andersson</i> <i>(Chalmers Univ of Technology)</i>	<i>Dr. Ken Aoki (Sophia Univ)</i>	<i>Dr. Yasuhide Inokuma (Hokkaido Univ)</i>	<i>Dr. Marta Bally (Umeå Univ)</i>	<i>Dr. Yuto Kitamura (The Univ of Tokyo)</i>	<i>Dr. Katarina Bendtz (Stockholm Univ)</i>	<i>Dr. Susanne Kelfve (Linköping Univ)</i>	<i>Dr. Takuji Yamada</i> <i>(Tokyo Institute of Technology)</i>	<i>Dr. Malgorzata Blicharska</i> <i>(Uppsala Univ)</i>	
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15:55-16:15	Break																
16:15-17:15	<p>Introduction & Discussion Session for Funding Agencies <i>Dr. Andreas Göthenberg (Swedish Foundation for International Cooperation in Research and Higher Education: STINT)</i> <i>Dr. Joakim Appelquist (Sweden's Innovation Agency: Vinnova)</i> <i>Video Presentation by Prof. Sven Stafström (Swedish Research Council: SRC)</i> <i>Mr. Norifumi Ushio (Japan Society for the Promotion of Science: JSPS)</i> <i>Dr. Yoshimasa Goto (Japan Science and Technology Agency: JST)</i> <i>Mr. Yutaka Hishiyama (Japan Agency for Medical Research and Development: AMED)</i></p>																
17:15	<p>Plenary Session Closing <i>President Astrid Söderbergh Widding (Stockholm University)</i></p>																
18:30-20:30	<p>150th Anniversary Banquet (seated-style) <i>by Invitation Only</i> Venue: <i>Hotel Chinzansou, Tokyo</i></p>																

Thursday, October 11, Subject Scientific Committee (SSC) Scientific Sessions Day 1

Time	Sophia University (fl. 17, Bldg. 2)	The University of Tokyo (Bldg. 3, Faculty of Engineering)	Waseda Univ Meeting Room 3 (fl. 3, International Conference Center)	Waseda Univ Meeting Room 2 (fl. 3, International Conference Center)	Waseda Univ Meeting Room 1 (fl. 3, International Conference Center)	Time
8:30	Sustainability Day 1		Ageing Day 1		Innovation Day 1	8:30
9:00	9:00 Welcome Remark 9:05 Opening Remark	Materials Science Day 1		9:00-9:10 Opening Remark	9:00-12:30 Theme "Innovation Perspective for the Future"	9:00
9:30	9:15 Keynote Lecture 1	9:45 Registration	9:10-9:50 Keynote	9:10-9:50 Keynote	Keynote Speeches	9:30
10:00	10:00 <Coffee Break>	10:00-10:10 Opening Remark	10:00-10:10 Q & A	10:00-12:10 Session 1	· Short Speeches	10:00
10:30	10:30 Collaboration Progress since Lund 2017	10:10-10:40 Keynote Lecture 1 10:40-11:10 Keynote Lecture 2	10:30-12:10 Session 1	10:30-12:10 Session 1	· Panel Discussion Keynote Speaker + Short Speakers	10:30
11:00	11:00 Briefing on Poster by each Researcher	11:20-13:00 Poster Session	12:10-13:30 <Lunch>	12:10-13:30 <Lunch>		11:00
12:00	12:00 <Lunch>		13:00-15:10 Session 1 (Continues)	13:00-15:10 Session 1 (Continues)		12:00
13:00	13:00 Poster Session	13:00-14:00 <Lunch>	14:00-16:20 Theme "Venture Case Studies and Technology Transfer"	14:00-16:20 Theme "Venture Case Studies and Technology Transfer"		13:00
14:00		14:00-15:30 Parallel Session (2 groups) 1. Advanced characterization of materials and surfaces 2. Bio- and Bioinspired materials	15:10-15:30 <Coffee Break>	15:10-15:30 <Coffee Break>	Q & A	14:00
14:30		15:30-16:00 <Coffee Break>	15:30-16:45 Session 1 (Continues)	15:30-16:45 Session 1 (Continues)		14:30
15:00	15:00 <Coffee Break>	16:00-17:00 Parallel Session (Continued)	16:45-17:05 <Coffee Break>	16:45-17:05 <Coffee Break>	16:20-16:40 <Coffee Break>	15:00
15:30	15:30-18:00 Parallel group discussions (3 Discussion Groups) 1. Environment & water resource 2. Sustainable energy 3. Emerging technology for sustainability (including membrane)	17:00-17:05 Close	17:05-17:30 Making Groups for group discussion on the 2nd day	17:05-17:30 Making Groups for group discussion on the 2nd day	16:40-18:00 Group Discussion: What did you learn and what to take forward?	16:00
16:30		18:00-20:00 <Dinner>	17:30-17:40 Debrief of Day 1	17:30-17:40 Debrief of Day 1		16:30
17:00			17:40 Poster session with finger foods	17:40 Poster session with finger foods		17:00
17:30			18:40-19:10 Move to Dinner place	18:30-21:30 <Dinner>		17:30
18:00	18:00 Close 18:15-20:30 <Reception at Sophia University Faculty Club>		19:10-20:40 <Dinner>			18:00
18:30						18:30
19:00						19:00
19:30						19:30
20:00						20:00
20:30						20:30
21:00						21:00
21:30						21:30

For details please refer to pages 8-13.

Friday, October 12, Subject Scientific Committee (SSC) Scientific Sessions Day 2 and Wrap-up Sessions

Time	Sophia University (fl. 17, Bldg. 2)	The University of Tokyo (Bldg. 3, Faculty of Engineering)	Waseda Univ Venue 1 (fl. 3, International Conference Center)	Waseda Univ Venue 2 (fl. 3, International Conference Center)	Waseda Univ Meeting Room 1 (fl. 3, International Conference Center)	Time
8:30	Sustainability Day 2		Ageing Day 2		Innovation Day 2	8:30
9:00	9:00 Keynote Lecture 2 Q & A	Materials Science Day 2		9:00-10:00 Lecture	9:00-12:00 Theme "Entrepreneurship"	9:00
9:30	9:45 Parallel group discussions summarizing discussions	10:00-12:00 Parallel Session (Continued)	10:00-12:00 Session2 Group discussion	10:00-12:00 Session2 Group discussion		9:30
10:00				10:50-11:10 <Coffee Break>		10:00
10:30				11:10-12:00 Workshop		10:30
11:00	11:00 Presentation of Summary by each discussion group			12:00-13:00 <Lunch>		11:00
11:30	11:30 Wrap up and way forward			12:00-13:00 <Lunch>		11:30
12:00	12:00 Closing	12:00-13:00 <Lunch>	12:00-13:00 <Lunch>	12:00-13:00 <Lunch>		12:00
13:00		13:00-15:00 Parallel Session (Continued)	13:30-14:30 Session 2 (Continues)	13:00-14:50 Theme "Sum-up and future plan to 2019 and beyond" Closing Remarks		13:00
13:30			14:30-15:30 Session3 Group presentation			13:30
14:30			15:30 Closing remark			14:30
15:00		15:00-15:30 Wrap up/ Closing				15:00
15:30						15:30
16:00				MIRAI Inter-WG Session		16:00
16:30				16:30-17:30 Innovation Inter-WG Session Closing Remarks		16:30
17:00					Closing Ceremony	17:00
17:30					17:30-17:40 Closing Ceremony	17:30
18:00						18:00
18:30				Farewell Event		18:30
				18:30- Restaurant "Nantei", Waseda University		18:30

For details please refer to pages 8-13.

MIRAI参加者人数

	NUのみ	全体	SSC						Inter-WG Session		
			MS		Sustainability		Ageing			Innovation	
			11日	12日	11日	12日	11日	12日		11日	12日
日本側	25	202	21	22	24	21	33	28	20	22	54
スウェーデン側	-	99	21	21	21	22	24	21	16	17	60

2018年9月25日現在

日スウェーデン外交関係樹立 150 周年における
両国の科学技術協力の強化に向けた共同文書について

署名日 : 平成 30 年 10 月 10 日

署名地 : 東京

署名者 : マグヌス・ローバック 駐日スウェーデン大使

(教育研究省及び起業イノベーション省を代表して署名)

山脇良雄 文部科学審議官

文部科学省と、スウェーデン教育研究省及び起業イノベーション省は、2018 年が日スウェーデン外交関係樹立 150 周年にあたることを契機として、両国の更なる科学技術協力強化に向けた共同文書を作成、10 月 10 日に行われた第 2 回 MIRAI セミナー開会式典において署名式を実施。(文部科学省として、他国との包括的な科学技術協力強化の共同文書に署名したのは初となる。)

同文書では、日本とスウェーデンとの間で、様々な研究分野やチャンネルで行われている研究者・大学・研究機関の交流・協力を、政府レベルで改めて歓迎・奨励するとともに、この機会に強化すべく議論されてきた取組及び進展をハイライトし、更なる交流・協力の促進への期待を確認した。

(例えば、二国間の国際共同研究の推奨・実施に向け、日本の SPring-8 とスウェーデンの放射光施設でのビームタイム交換を含む共同プログラムの協議開始やファンディング機関の協力について盛り込まれている。)



< 署名時の様子 >

Ph.D. Short Course on

Sustainable Mobility and System Control Sciences

August 19-25, 2018, Sophia University, Tokyo, Japan



This short course aims at introducing system modelling, control theory, learning and optimization theory, as well as applications in sustainable automotive powertrain systems. Topics range from system identification, learning dynamical systems, model predictive control (MPC) and optimization to fundamentals of extreme learning machine (ELM) and future trends of machine learning. Applications of advanced engine combustion control and powertrain control will also be highlighted. An interactive poster session will be held during the course. Besides, an industrial technical tour at Toyota Higashi-Fuji Technical Center will be organized for attendees.

Lecturers:

Takehisa Yairi, Associate Professor, The University of Tokyo, Japan
Masakazu Mukai, Associate Professor, Kogakuin University, Japan
Per Tunestål, Professor, Lund University, Sweden
Lars Eriksson, Professor, Linköping University, Sweden
Guang-bin Huang, Professor, Nanyang Technological University, Singapore

Prospective Participants*

Ph.D course students from any Japanese universities including MIRAI partners (Master's students are also welcome)

Ph.D course students from Swedish MIRAI partners

*1) The participants are required to register in advance by e-mail;

*2) The Participant who intends to contribute a Poster Presentation, please send your title and abstract in advance.

Organizer

Sophia University

Sponsor

MIRAI

- Connecting Swedish and Japanese Universities through Research, Education and Innovation

Steering Committee

Tielong Shen
(Prof., Sophia Univ., Japan)

Lars Eriksson
(Prof., Linköping Univ., Sweden)

Per Tunestål
(Prof., Lund Univ., Sweden)

Contact:

Dr. Yahui Zhang (Sophia Univ.)

Dr. Xun Shen (Sophia Univ.)

E-mail:

zhangyahui@eagle.sophia.ac.jp

shenxun@eagle.sophia.ac.jp

Program at a Glance

Time Schedule	10:30-12:00	13:15-14:45	14:45-15:30	15:30-17:00	17:00-
8/19 SUN	• Registration • Bldg.#8-201	• Registration • Bldg.#8-201		• Registration • Bldg.#8-201	
8/20 MON	• Lecture I-1 • Prof. Takehisa Yairi • Bldg.#2-309	• Lecture II-1 • Prof. Masakazu Mukai • Bldg.#2-309	• Coffee Break • Poster Section • Bldg.#2-309	• Lecture II-2 • Prof. Masakazu Mukai • Bldg.#2-309	• Welcome Reception • 17:45~19:45 p.m. • Bldg.#13-2F (13号館2F 紀尾井亭「葵の間」)
8/21 TUE	• Lecture I-2 • Prof. Takehisa Yairi • Bldg.#2-309	• Lecture III-1 • Prof. Per Tunestål • Bldg.#2-309	• Coffee Break • Poster Section • Bldg.#2-309	• Lecture III-2 • Prof. Per Tunestål • Bldg.#2-309	
8/22 WED	• Lecture IV-1 • Prof. Lars Eriksson • Bldg.#2-309	• Lecture IV-2 • Prof. Lars Eriksson • Bldg.#2-309		• Lab Tour • Bldg.MB-220	
8/23 THU	• Lecture IV-3 • Prof. Lars Eriksson • Bldg.#2-309	• Lecture IV-4 • Prof. Lars Eriksson • Bldg.#2-309			
8/24 FRI	• Industrial Technical Tour • Toyota Higashifuji Research Center	• Lecture -1: Mr. Kuroda • Lecture -2: Mr. Ehara • Toyota Experts • Toyota Higashifuji Research Center	• Lecture V • Prof. Guang-Bin Huang • Toyota Higashifuji Research Center	• Move to Hotel (Mount Fuji) • Farewell Reception • Ichinose Hotel	
8/25 SAT	• Return to Tokyo				

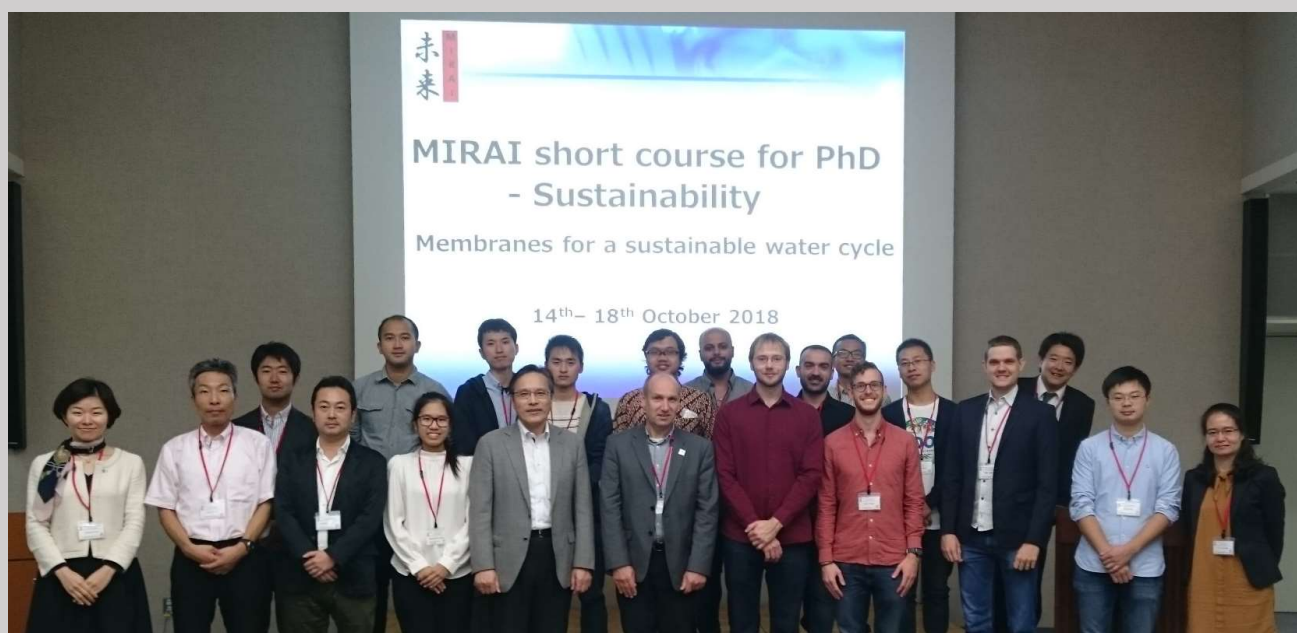
未来

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Report on MIRAI short course for PhD- students

“Membranes for a sustainable water cycle”

14. – 18. October 2018
Hiroshima, Shiga, and Tokyo, Japan





Scientific Steering Committee meeting, 6 December 2018

Participants: Stacey Sörensen, Petra Moser-Noergaard (Lund University), Leif Kirsebom, Björn Nyström, Ulrica Ouline (Uppsala University), Yoshihito Watanabe, Yukitsugu Ono, Branko Aleksic, June Iwatsuki, Hyeseon Seol, (Nagoya University), Masahiko Gemma, Akihiko Niiho (Waseda University)

Secretary: Petra Moser-Noergaard

Stacey Sörensen welcomes the participants to the meeting.

Feedback of MIRAI Seminar, Tokyo, 9-12 October 2018

Yoshihito Watanabe summarises the discussions on 9 October in the Steering Committee (STC) and Scientific Committee (SC). All the members agreed to expand the number of participating universities and are interested in continuing their cooperation beyond 2019. Also, the target academic fields, ageing, sustainability and materials science are confirmed with AI as a potential additional field. This needs to be further discussed in the STC. In the interworking group session on 12 October, the continuation and extension of the members are approved. Mr. Ono emphasizes the importance for the Japanese universities to keep in close contact with MEXT and JSPS not to miss future funding opportunities. He will discuss this issue with MEXT and JSPS.

Research school

Leif Kirsebom informs the committee about the ongoing work regarding a joint research school. A first proposal was discussed with Takehiko Kitamori on Tuesday, 4 December. Kimatori will modify the proposal with regard to the Japanese education system. A first draft including the timeline and funding will be shared on a later date with all the MIRAI member universities.

MIRAI Seminar, Stockholm/Uppsala, 12-14 November 2019

Stacey Sörensen goes through the draft proposal for the MIRAI seminar (Appendix 1). A planning committee will further discuss the draft as well as potential key note speakers, etc. Focus of this seminar are the researchers and its aim is, in addition to parallel scientific sessions to provide opportunities for discussions/exchanges among the researchers from the different subject areas as well as university leaders, funding agencies, etc.

Continuation of MIRAI

Stacey Sörensen informs the committee that six of the seven current Swedish MIRAI universities have officially confirmed their interest in continuing their collaboration activities with Japanese partner universities. Uppsala's feedback is expected next week. Furthermore, additional Swedish universities have been invited to join MIRAI 2 and discussions are ongoing with two universities. A final decision is expected in early spring and will be shared with all the members. Yoshihito Watanabe informs the

MIRAI のこれまでの活動による成果

STINT に共同研究に対する支援を申請

- (1) Lund 大、広島大学、東京工業大学の研究者による共同研究。
- (2) Gothenburg 大学、Lund 大学、広島大学の研究者による共同研究”MARTINS Project (MAriculture Technical Innovations in Sweden)”
- (3) 広島大学、Uppsala 大学による共同研究。
- (4) Stockholm 大学、Umea 大学などからも申請予定。

JSPS に共同研究に対する支援を申請

- (5) 上智大学、Stockholm 大学、Uppsala 大学による共同研究を科研費に申請。
- (6) Uppsala 大学、上智大学、名古屋大学などからも申請予定。
- (7) 早稲田大、Chalmers 工科大学を中心にエイジング分野での共同研究を JSPS の拠点形成事業に申請。

その他

- (8) 日本の MIRAI 参加大学が連携校となり Lund 大学が幹事として 2019 年から 3 年間の欧州連合の政府補助金事業「ERASMUS+ICM」に申請した。
- (9) Gothenburg 大学と広島大学が持続可能な水循環について共同研究を行う。
- (10) 広島大学と Uppsala 大学による共同研究を Swedish Research Council に提案。
- (11) 名古屋大学が笹川財団に申請予定。
- (12) Umea 大学が FORTE に申請予定。

「Erasmus+ International Credit Mobility Project (ICM)」事業

《プログラムの概要》

Erasmus+ (エラスムス・プラス) は、ヨーロッパにおける教育、トレーニング、青少年、スポーツを支援するための EU のプログラムである。そのうち、International Credit Mobility (留学を支援する国際単位移動制度) では、プログラム国 (EU メンバー国を含め 34 か国) とパートナー国の間で、学生交流のみならず、教職員の交流 (教育・研修) も可能となっている。

プログラム経費: 1 億 6,600 万ユーロ (おおよそ 214 億円) を 34 か国に分配

《申請内容》

参加大学: (スウェーデン側)

ヨーテボリ大学、ウップサラ大学、ウメオ大学、チャルマース工科大学、リンショーピン大学、ルンド大学 6 大学

(日本側) 名古屋大学、九州大学、上智大学、早稲田大学、広島大学、
北海道大学、東京大学、東京工業大学 8 大学

プログラム期間: 3 年 (2019 年 8 月 1 日 ~ 2021 年 7 月 31 日)

派遣期間: 5 日 + 移動日 (2 日)

対象: 教職員 (各大学 2 名)

- Staff mobility for Teaching (教育のための職員交流)
日本 → スウェーデン 13 名、スウェーデン → 日本 11 名
- Staff mobility for Training (トレーニングのための職員交流)
日本 → スウェーデン 3 名、スウェーデン → 日本 1 名

支援額: 2,760 ユーロ/人 (旅費 + 滞在費)

プログラム実施の関連経費: 350 ユーロ/人

2018 年 11 月 2 日	MIRAI メンバー校に参加の意思確認 (Stockholm 大学は不参加)
2018 年 12 月 15 日	申請書にかかる各大学からの、ルンド大学 ✕ 切 (提出済)
2019 年 2 月 5 日	ルンド大学が欧州連合に申請し、幹事を務める (提出済)
2019 年 4 月	審査結果発表
2019 年 8 月	交流開始 (2021 年まで 36 ヶ月)