参考資料





WORKSHOP – AGEING

Venue: International Conference Centre, Waseda Campus Waseda University Room: 3rd Floor meeting room

Active and Healthy Ageing in Japan and Sweden - Individual, Group, and Population Perspectives

Sub-topics

- A) Demography and Determinants of Health
- B) New Technologies for the Ageing Society
- C) Health Promotion for the Ageing Society

Focus of this workshop will be mainly on sub-topics B and C (regarding C, biomedical aspect). However, we will touch on sub-topics A and C (Social innovations and future policies aspect).

Sub-topic A: Demography and Determinants of Health

- Population-based studies on the situation in Japan and in Sweden
- Cross-national comparative research with potential to increase the knowledge and understanding of determinants of health and longevity in ageing societies
- Lifestyle factors

Sub-topic B: New Technologies for the Ageing Society

- Sensor/wearables/pervasive technologies helping older adults monitoring their health at home (health and medicine)
- Robot and communication technologies helping older adults carrying out their daily routines at home (accessibility and self-management)
- Robot and communication technologies helping older adults keeping contact with family and community (well-being)

Sub-topic C: Health Promotion for the Ageing Society

- Biological and medical sciences of ageing
 - Research and training on the molecular, cellular, genetic, and physiological mechanisms underlying normal ageing and age-related pathologies
 - Research and training on health promotion and preventative strategies for ageing populations
 - Physical and cognitive exercise, dietary interventions, and adaptations in the surrounding environment
- Social innovations and future policies for ageing societies
 - Socio-demographic and socio-economic aspects of different forms of health care, social services and housing
 - Health care and social service workers in the field
 - Social innovations and future policies for ageing societies
 - Lifelong learning for active ageing

Thursday 1	11 October 2018
8:40	Registration
9:00-9:10	Opening remark by Prof. Norimasa Morita, Vice President for International Affairs, Waseda University Facilitated by Prof. Toru Asahi, Chairman SSC Ageing, Waseda University
9:10-9:50	Keynote: "AI Robot Technology for the Ageing Society" Prof. Tetsuya Ogata, Waseda University
9:50-10:10	Q&A
10:10- 10:30	Coffee break
10:30- 12:10	Session 1: Oral Presentation- presentation based on "collaborative project proposal on ageing" Chaired by Prof. Morten Fjeld, Chairman SSC Ageing, Chalmers University of Technology 1 10:30-10:55 (10 mins' presentation and 15 mins' Q&A) [Good practice "Disparity in health care and long-term care utilization among the elderly: An inter-country comparative study on the roles of family between Sweden and Japan" Rong Fu, Waseda University Stefanie König, University of Gothenburg Susanne Kelfve, Linköping University Glenn Sandström, Umeå University Haruko Noguchi, Waseda University Haruko Noguchi, Waseda University 2 10:55-11:20 "Gender differences in dementia care: a mixed methods research" Erik Eriksson, Chalmers University of Technology Yoshihisa Hirakawa, Nagoya University 3 11:20-11:45 "Building egressibility in an aging society" Björn Slaug/Steven Schmidt, Lund University 4 11:45-12:10 "Influence of AI (Artificial Intelligence) to human health: Does it increase unemployment and accelerate social disparities? Can the BI (Basic Income) be a solution?" Masayuki Kakehashi, Hiroshima University
12:10-	Buffet Lunch
13:30 13:30- 15:10	Chaired by Prof. Susanne Iwarsson, SSC Ageing, Lund University [South 13:30-13:55] [Good practice] "Food for Life Project: A Japan-Sweden academia-industry collaboration project " Takumi Ohashi, Tokyo Institute of Technology [South 13:55-14:20] "Decoding of motor volition for assistance and rehabilitation" Eva Lendaro, Chalmers University of Technology [South 14:20, 14:45]
	 14:20-14:45 "HASTE! Healthy Ageing Supporting Technology for Exergames" Sarah Cosentino/Zixi Gu/Mazoon Al Maamari, Waseda University 14:45-15:10 "Tele-rehabilitation technology by using wearable force-feedback suit" Yuichi Kurita, Hiroshima University
15:10- 15:30	Coffee break - starting poster viewing

15:30-	Chaired by Prof. Takayuki Akimoto, SSC Ageing, Waseda University
16:45	 15:30-15:55 "Novel Metabolomics-driven biomarker discovery through analysis of human host and microbiota co-metabolism" Daniel Globisch, Uppsala University 15:55-16:20
	"Towards achieving healthy ageing society-from basic biology to applied science" Takashi Toda, Hiroshima University
	10 16:20-16:45 "Risk factors in preclinical Alzheimer's disease" Silke Kern, University of Gothenburg
16:45- 17:05	Coffee break
17:05- 17:30	Making groups for group discussion on the 2 nd day Smaller groups (approx. 6) are formed to discuss their draft applications with guidance from SSC members. Facilitated by Takayuki Akimoto, Toru Asahi, Håkan Fischer, Morten Fjeld, Susanne Iwarsson, Yuto Kitamura, Haruko Noguchi, Yusuke Suzuki
17:30- 17:40	Debrief of Day 1 by Prof. Morten Fjeld, Chairman SSC Ageing, Chalmers University of Technology
17:40 18:40	Poster session with finger foods
18:40- 19:10	Move to Dinner place
19:10- 20:40	Dinner at MIMIU, Shinjuku

Friday 12 October 2018		
9:00- 10:00	Lecture: "How to write grant proposal and how that is evaluated" by Prof. Yuto Kitamura, SSC Ageing, The University of Tokyo	
10:00- 12:00	Session 2: Group discussion for making draft applications Chaired by Prof. Haruko Noguchi, Waseda University Smaller groups (approx. 6) are formed to discuss more in detail. Each group takes coffee break during this period. *SSC meeting held in parallel from 11:00 to 12:00.	
12:00- 13:30	Buffet Lunch	
13:30- 14:30	Session 2 continues	
14:30- 15:30	Session 3: Group presentation to share the result of discussion and draft applications Each Group presents the result of their discussion and shares their idea with all other participants. Chaired by Prof. Takayuki Akimoto, SSC Ageing, Waseda University, Prof. Håkan Fischer, SSC Ageing, Stockholm University	
15:30- 15:45	Closing remark By Prof. Morten Fjeld, Chairman SSC Ageing, Chalmers University of Technology Prof. Toru Asahi, Chairman SSC Ageing, Waseda University End of Ageing Session	





Scientific Session – MATERIALS SCIENCE

Host: Hokkaido University Venue: The University of Tokyo, Faculty of Engineering, Building 3

Sub-topics focused in this Session:

Group 1) Advanced characterization of materials and surfaces

Group 2) Bio- and Bioinspired materials

Program is subject to changes. Version_0919

9:45	Registration		
10:00- 10:10	Opening remarks by Professor Yasuchika Hasegawa,	Hokkaido University	
0:10- 10:20	Remarks by SSC Chair, Professor Ulf Karlsson, Linko	iping University	
0:20- 10:50	Keynote Lecture by <i>Professor Kazuki Sada, Hokkaido University</i> Lecture title: "Functional Composites of Metal Organic Frameworks by Post-Synthetic Modification"		
0:50- 11:20	Keynote Lecture by <i>Professor Eva Olsson, Chalmers U</i> Lecture title: "Site Specific Direct Correlation Between Nanostructured Materials"		
1:20-	Group Photo		
1:30- 13:00	Poster Session		
3:00- 4:00	Lunch		
4:00-	Parallel Session: Group 1	Parallel Session Group 2	
5:30	"Advanced characterization of materials and surfaces" Moderator: SSC, Prof. Matic, Chalmers	"Bio- and Bioinspired materials" Moderator: SSC, Prof. Andersson, Umeå	
	14:00-14:30 Presenter (1)	14:00-14:30 Presenter (1)	
	14:30-15:00 Presenter (2)	14:30-15:00 Presenter (2)	
	15:00-15:30 Presenter (3)	15:00-15:30 Presenter (3)	
5:30- 6:00	Coffee break		
6:00-	Parallel Session: Group 1 (Continued)	Parallel Session Group 2 (Continued)	
7:00	"Advanced characterization of materials and surfaces"	"Bio- and Bioinspired materials"	
	Moderator: SSC, Prof. Matic, Chalmers	Moderator: SSC, Prof. Andersson, Umeå	
	16:00-16:30 Presenter (4)	16:00-16:30 Presenter (4)	
	16:30-17:00 Presenter (5)	16:30-17:00 Presenter (5)	
17:30	Close	17:00-17:30 Presenter (6)	
8:00-	Dinner Veryon TDC (near the Hair resits of Talana)		
0:00	Venue: TBC (near the University of Tokyo)		

Friday	12 October 2018			
10:00- 12:00	Parallel Session: Group 1 (Continued) "Advanced characterization of materials and surfaces" Moderator: SSC, Prof. Kuwahara, Sophia	Parallel Session Group 2 "Bio- and Bioinspired mat Moderator: SSC, Prof. Kir	erials"	
	10:00-10:30 Presenter (1) 10:30-11:00 Presenter (2) 11:00-11:30 Presenter (3)	10:00-10:30 Presenter (1) 10:30-11:00 Presenter (2) 11:00-11:30 Presenter (3) 11:30-12:00 Presenter (4)		
12:00- 13:00	Lunch			
13.00- 15:00	Parallel Session: Group 1 (Continued) "Advanced characterization of materials and surfaces" Moderator: SSC, Prof. Kuwahara, Sophia	Parallel Session Group 2 "Bio- and Bioinspired mat Moderator: SSC, Prof. Kir	erials" nizuka, Kyushu	
	13:00-13:30 Presenter (5) 13:30-14:00 Presenter (6) 14:00-14:30 Presenter (7)	13:00-13:30 Presenter (5) 13:30-14:00 Presenter (6) 14:00-14:30 Presenter (7) 14:30-15:00 Presenter (8)		
15:00- 15:30	Wrap up/ Closing by SSC members (<i>Prof. Kimizuka, Prof. Kuwahara, and</i>	d Prof. Andersson)	15:00-16:20 SC/SSC Meeting (for SC/SSC members only,	
15:30	Close Move from The University of Tokyo to Waseda University (by public transportation)		Prof. Karlsson & Prof. Sada) Venue: Waseda University	
16:30- 17:30	Innovation Interworking Session (Optional) Venue: Waseda University		uh	
17:30- 17:40	Closing Ceremony Venue: Waseda University Move to Dinner place (walking distance)			
18:30-	Farewell Dinner Venue: Nantei, Waseda University (next to RIHGA Roy	val Hotel Tokyo)		

Presenters in order			
	Group 1		Group 2
	*** DAY 1 ***		* * * DAY 1 * * *
1	Magnus Hörnqvist Colliander / Chalmers Experimental micromechanics using electrons, neutrons and X-rays	1	Martin Andersson / Chalmers Biomimetic Bone Materials
2	Feng Gao / Linköping Decrease the photovoltage losses in organic solar cells	2	Marta Bally / Umeå Cell-membrane mimics to study how viral glycoproteins regulate attachment and diffusion of viruses at the cell surface
3	Kiyofumi Katagiri / Hiroshima Bioinspired structurally colored coating films fabricated via electrophoretic deposition of SiO2 particles	3	Yuhei Hayamizu / Tokyo Tech Bio-Nano Interfaces of Two-Dimensional Materials Controlled by Self-Assembled Peptides

	1	Î.	
4	Erik Lewin / Uppsala Advanced inorganic materials chemistry – synthesis and characterisation of new materials	4	Yasuhide Inokuma / Hokkaido Aliphatic Polyketones as flexible and Shapable Molecular Ropes
5	Rainer Timm / Lund Atomic-scale Surface Characterization of Semiconductor Nanostructures during Device Operation	5	Jiro Kondo / Sophia X-Ray Structural DNA Nanotechnology
6	N/A	6	Ayae Sugawara-Narutaki / Nagoya Formation of Nanoarchitectures through the Synergetic Self-Assembly of Inorganic Nanoparticles and Amphiphilic Polymers
	*** DAY 2 ***		*** DAY 2 ***
1	Piotr Matyba / Umeå Time-resolved two-photon photoemission spectroscopy as a Tool to Uncover Dynamics in Complex Materials	1	Kazuki Fukushima / Tokyo Anisotropic Molecular Assemblies Comprising Amphiphiles as Functional Nano-Biomaterials
2	Jonas Mindemark / Uppsala Interfaces and Degradation in Liquid- and Solid-Electrolyte Li Batteries	2	Takayuki Kurokawa / Hokkaido Microelectrode technique for measuring electric potential of polyelectrolyte hydrogels
3	Yasmine Sassa / Uppsala Novel two-dimensional graphene-like systems based on silicon allotrope	3	Gábor Méhes / Linköping Interfacing Plants and Bacteria via Organic Bioelectronics for Current Harvesting
4	N/A	4	Tiina Nypelö / Chalmers From wood-based compounds to materials @ Chalmers
5	Eike Schwier / Hiroshima At the edge of μ-ARPES: The best of both worlds?	5	Toshikazu Ono / Kyushu Design of Tetrapyrrole Macrocycles for Electrochemical Catalysts and Other Applications
6	Tomohiro Shiraki / Kyushu Near Infrared Photoluminescence Tuning Driven by Molecular Recognition on Single-walled Carbon Nanotubes	6	Anders Palmquist / Gothenburg Additive manufacturing – preclinical and clinical experience
7	Donatas Zigmantas / Lund Excitation and dissipation dynamics in plexitons	7	Christelle Prinz / Lund Nanowires for bioapplications
8	N/A	8	Toyonobu Usuki / Sophia Biomimetic Synthesis of Elastin Crosslinker Desmosines
	Stefano Bonetti / Stockholm (Poster only) SXL: a Soft X-ray Laser at Max IV Laboratory		





MIRAI Sustainability Scientific Session: October 2018 PROGRAM

As of September 14, 2018

Main topic:

Sustainability: Linked to the UN Sustainable Development Goals (SDGs)

Sub-topics:

- 1. New energy techniques
- 2. Water resources

<u>Venue</u>: Sophia University Yotsuya Campus, 7-1 Kioi-cho, Chiyoda-ku, Tokyo 1028554, Japan 17th floor of the Building No. 2

Day 1: Thurs	sday, October 11			
	Moderator: Professor Guangwei Huang, Sophia University			
	Venue: room 2-1702			
9:00	Welcome remark by Professor Yoshiaki Terumichi, President of Sophia University			
9:05	Opening remark by ProfessorHidetoshi Sekiguchi, Vice President for International Affairs,			
	Tokyo Institute of Technology			
9:15	Keynote lecture 1 by Professor Tielong Shen, Sophia University			
	Title: Cyber-Physical System: a New Paradise for Control Technology of Sustainable			
	Transportation System			
	Q & A			
10:00	Coffee break			
10:30	Collaboration progress since Lund 2017			
11:00	Briefing on poster by each researcher (one minute per person with one slide)			
12:00	Lunch break Venue: 3 rd floor of the Building No. 13			
13:00	Poster session Venue: 17 th floor of the Building No. 2			
15:00	Coffee break			
15:30	Parallel group discussions			
	Discussion Groups			
	Group 1: Environment &water resources			
	Group 2: Combined group of "Sustainable energy" and "Emerging technology for			
	sustainability (including membrane)"			
	Presentation by each researcher: 15 minute lecture and 5 minute Q&A			
	See attachment (p.3) for order, timing and venues.			
18:30	End of day 1 program			
18:45	Reception			
	Venue: Sophia University Faculty Club, 17 th floor of the Building No. 6			
21:00	Closing of reception			

Day 2: Friday, October 12

9:00 Keynote lecture 2 by Professor Georgia Destouni, Stockholm University

Title: "Hydro-Climate, Water Resources and Drought Variability and Change Across

Spatiotemporal Scales, World Regions and Geospheres"

Q & A

Venue: room 2-1702, 17th floor of the Building No. 2

9:45 Parallel group discussions (cont'd), summarizing discussions(including coffee break)

Venues: Group 1 -room 2-1522b, Group 2 -room 2-1701

11:00 Presentation of summary by each discussion group

Moderator: Professor Björn-Ola Linnér, Linköping University

Venue: room 2-1702, 17th floor of the Building No. 2

11:30 Wrap up and way forward

Moderator: Professor Björn-Ola Linnér, Linköping University

12:00 Closing

[Afternoon activity options]

1. Laboratory tour on Sophia campus

Approximately 1 hour, starting at 13:00

2. Water resources field trip on boat in Kandagawa river (up to 11 persons)

Approximately 2.5 hours, leaving the campus soon after the session

3. Free time until the Innovation Interworking Session (16:30) or closing ceremony (17:30)

16:30-17:30 Innovation TaskforceInterworking Session (strongly recommended to attend)

Venue: Waseda University

17:30-18:00 Closing ceremony

Venue: Waseda University

18:00-18:30 Move to dinner place

18:30 Farewell dinner

Venue: (TBA, close to Waseda University)

Contact: MIRAI Sustainability Secretary

Shunichi Horiuchi (Mr)

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phone: +81-3-3238-3787

mailing address: 7-1 Kioi-cho, Chiyoda-ku, Tokyo, 1028554, Japan

Attachment: Order and timing for presentations at the parallel group discussions

(Prefix omitted)

<Group 1: Environment & water resources>

Venue: Room 2-1522b, 15th floor of the Building No. 2

Moderators:

Georgia Destouni, Stockholm University Guangwei Huang, Sophia University

Presentations:

Day 1, Thursday, October 11

15:30-15:50	Agneta Andersson, Umeå University
15:50-16:10	Pierre de Wit, Gothenburg University
16:10-16:30	Lan Wang Erlandsson, Stockholm University
16:30-16:50	Jonathan Roques, Gothenburg University
16:50-17:10	Federico Micolucci, Lund University
17:10-17:30	Tomonori Kindaichi, Hiroshima University
17:30-17:50	Takehiro Watanabe, Sophia University
	Representing the group of 3 researchers listed below
	Ewa Machotka, Stockholm University
	Mikiko Sugiura, Sophia University
	Takehiro Watanabe, Sophia University
17:50-18:10	Nobuhiro Suzuki, Sophia University
18:10-18:30	Manabu Fujii, Tokyo Institute of Technology
2. Friday, October	12

Day 2, Friday, October 12

9:45-10:05 Blicharska Malgorzata, Uppsala University

10:05-10:25 Thomas Pettersson, Chalmers University of Technology

<Group 2: Combined group of "Sustainable energy" and "Emerging technology for sustainability (including membrane)">

Venue: Room 2-1701, 17thfloor of the Building No. 2

Moderators:

Björn-Ola Linnér, Linköping University ToshinoriTsuru, Hiroshima University

Presentations:

Day 1, Thursday, October 11

15:30-15:50	Lisa Åkerlund, Uppsala University
15:50-16:10	Wei-Chao Chen, Uppsala University
16:10-16:30	Ahmed Mohammed Nazem Elreedy, Tokyo Institute of Technology
16:30-16:50	Arata Katayama, Nagoya University
16:50-17:10	Frank Lipnizki, Lund University
17:10-17:30	Keiya Nishida, Hiroshima University
17:30-17:50	Masamichi Nishihara, Kyushu University
17:50-18:10	Yui Nishio, Sophia University
18:10-18:30	Sethu Saveda Suvanam, Uppsala University

Day 2, Friday, October 12

9:45-10:05	Maria Taljegård, Chalmers University of Technology
10:05-10:25	Sepher Shakeri Yekta, Linköping University





MIRAI innovation Workshop: October 2018

Dates: October 11th, 12th, 2018

Venue: Waseda University, International Conference Center, 3F Meeting Room 2

Program

Theme "Innovation Perspective for the Future"

(1) October 11th (Thur.) AM (9:00-12:30)

Moderator: Prof.N. Kobayashi- Waseda U. (5 min)

- Opening Address: Mr. M. Ueda MEXT (10 min)
- Keynote Speech: Mr. M. Katsumata INCJ"Innovation is Japan's challenge!!" (30 min including Q&A)

-----(Cofee Break: 9:50 – 10:20)-----

Short Speeches and Panel Discussion:

Theme "Innovation Eco-system"

Moderator: Dr. M. Jacob - Embassy of Sweden(5 min)

• Short Speeches: Dr. N. Morimoto – IBM(10 min)

Mr. O. Kobayashi- JST (10 min)

Mr. L. Stenberg – Vinnova(10 min)

Dr. A. Schmitz – Waseda U. (10 min)

• Panel Discussion: Keynote Speaker + Short Speakers(80 min)

----- (Lunch) ------

(2) October 11th (Thur.) PM (14:00–18:00)

14:00 - 16:20 Theme "Venture Case Studies and Technology Transfer"

Moderator: Dr. J. Lilliecreutz – Linköping U.(5 min)

Speakers (Japan)

Mr. T. Yamamoto – TODAI TLO (15 min + 5 min Q&A)

Mr. Y. Yamaguchi – FFG VBP (15 min + 5 min Q&A)

Dr. D. Modic - Kyushu U. - IPR(15 min + 5 min Q&A)

Speakers (Sweden)

Prof. J. Falkheimer – Lund U.(15 min + 5 min Q&A)

Dr. J. Lilliecreutz – Linköping U. (15 min + 5 min Q&A)

Prof. L. Dahlberg-Lund U.(15 min + 5 min Q&A)

Q &A(15 min)

-----(Coffee Break:16:20 – 16:40)-----

➤ 16:40 - 18:00 Group Discussion: What did you learn and what to take forward?

Moderator: Mr.T. Yamamoto – TODAI TLO (80 min)

> 18:30 - 21:30 - Innovation dinner

(3) October 12th (Fri.) AM (9:00-12:00) Theme "Entrepreneurship" Moderator: Prof. M. Shimaoka- WasedaU.(5 min) Speakers (Japan) Prof. M. Kawase – Hiroshima U.(15 min) Prof. Y. Harada – Kyushyu U.(15 min) Prof. M. Shimaoka – WasedaU. (15 min) Q&A (10 min) Speakers (Sweden) Dr.M. Löwegren – Lund U.(15 min) Dr. U. Persson-Fischier - Uppsala U.(15 min) Dr. T. Faxheden – Chalmers U. of Technology(15 min) Q&A (10 min) -----(Coffee Break: 10:50 – 11:10)-----Workshop (50 min) Moderators: Prof. M. Shimaoka(Japan) & DrU. Persson-Fischier(Sweden) ----- (Lunch) -----(4) October 12th (Fri.) PM (13:00-14:50) Theme: "Sum-up and future plan to 2019 and beyond" Moderator: Mr. O. Kobayashi – JST > Speaker: Dr. H. Pohl – STINT"Innovation, internationalisation and STINT"(15min) • Sum-ups by Moderators: Dr. Jacob, Dr. Lilliecreutz, Mr. Yamamoto, Prof. Shimaoka, Dr. Persson-Fischier – 5min for each+Discussion (40min) • Future plan to 2019 and beyond: (40min) Speakers: Prof.L. Kirsebom – Uppsala U. & Prof. T. Kitamori – U. of Tokyo **Closing Remarks** Dr. M. Jacob – Embassy of Sweden (5min) -----(Coffee Break & Logistics)------(Wrap-up Scientific Committee (SC) session PM (15:00-16:20) (Meeting Room1)) (5) October 12th (Fri.) PM (16:30-17:30) (Meeting Room 2) MIRAI Inter-WG session (Ageing, Materials Science, Sustainability& Innovation) Moderators: Prof. L. Kirsebom& Prof. T. Kitamori

(Under the lead of the Scientific Committee)