

60th anniversary commemorative project of “the Japan Research Association for Textile End-Uses”

## Comfort and Smart Textile International Symposium 2019.

<https://cscenter.co.jp/issttcc2019/>

5 - 7 September 2019

at Nara Kasugano International Forum



In 2019, the Japan Research Association for Textile End-Uses will celebrate its 60th anniversary. To commemorate this special occasion, we will hold the Comfort and Smart Textile International Symposium on September 6<sup>th</sup> and 7<sup>th</sup> with the cooperation of related academic societies and associations.

The fourth industrial revolution is upon us, as keywords like AI, robots, IoT, and the cloud herald the rapid advancement of digitalization. The textile industry is also actively developing smart textiles worldwide due to dramatic advances in ICT (information and communication technology). This is expected to lead to developments across many fields, including healthcare and sports, with innovations in nursing and rehabilitation. Amidst these revolutionary changes, we have called on those who are active in fields related to smart textiles and designed this symposium as an occasion for broad, global exchange with the aim of clarifying the challenges that lie ahead in the next decade, as well as furthering developments in the field.

We are deeply grateful for your cooperation and understanding the 60th anniversary of this society, and we are looking forward to your active participation for the Comfort and Smart Textile International Symposium.

### Symposium program

5 September, Thursday	6 September, Friday	7 September, Saturday
8:30	8:30	8:30
9:00	9:00	9:00
10:00	10:00	10:00
11:00	11:00	11:00
12:00	12:00	12:00
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17:00	17:00	17:00
18:00	18:00	18:00
19:00	19:00	19:00
20:00	20:00	20:00
Registration	Registration	Registration
	Opening remarks	Japan-Euro Joint Workshop Invited lectures
	Poster presentation Company exhibition	Comfort Workshop Invited lectures
	Lunch	Lunch
	Special invited lecture	Poster presentation Company exhibition
	Break	Invited lectures
	Invited lecture	Invited lectures
	Break	Break
	Invited lectures	Invited lectures
	Entertainment	Invited lecture Discussion
	Banquet	
Welcome reception		

Host: The Japan Research Association for Textile End-Uses

Co-host: The Society of Fiber Science and Technology, Japan, The Textile Machinery Society of Japan,  
The Smart Textile Research Group, Japan Chemical Fibers Association, The Advanced Institute of  
Wearable Environmental Information Networks (WIN), The Nanofiber Society, Business France,  
NRW Japan K.K.

Website of symposium: <https://cscenter.co.jp/issttcc2019/>

Language: English (Simultaneous interpretation, Only for Day 1)

**Registration:**

The detail information for registration is in the website: <https://cscenter.co.jp/issttcc2019/registration.php>

Early registration: On or before 19 July 2019

Late registration: From 20 July 2019

**Registration fee:**

General (early registration)*	50,000 JP Yen
General (late registration)*	60,000 JP Yen
Students (early registration)*	20,000 JP Yen
Students (late registration)*	25,000 JP Yen
Banquet**	8,000 JP Yen

\* The registration fee does not include hotel accommodation, banquet and any personal activities.

\*\* Banquet is held at Annex to Nara Kasugano International Forum from 18:30 of 6<sup>th</sup> September (Fri).

**Call for poster presentation:**

The detail information for registration is in the official website: <https://cscenter.co.jp/issttcc2019/abstsubm.php>

Deadline for abstract submission: 31 May 2019

Notification of abstract acceptance: The middle of June 2019

**Call for company exhibition:**

Booth size: Display table of 1800W/600D/700H, Back panel of 1800W/1200H (thumbtacks can be used)

Please apply by e-mail with the following required information: Required information: Company name, Title of  
Exhibition (e.g., product name), Contact person (affiliation), Contact (address, phone number and email address)

Contact for the company exhibition:

The Japanese Research Association for Textile End-Uses

E-mail: [shohikagaku@nifty.com](mailto:shohikagaku@nifty.com)

**Contact information:**

Symposium Secretariat - CS Center Co., Ltd.

Phone: +81 75 241 9620 Fax: +81 75 241 9692 E-mail: [issttcc2019@cscenter.co.jp](mailto:issttcc2019@cscenter.co.jp)

# Program details

6 September (Day 1)

8:45- Registration

10:00-10:30 Opening remarks

Masaru Ohya, President of the Japan Research Association for Textile End-Uses

Teruo Hori, Chairman of the Smart Textile Research Group

10:30-12:00 Poster presentation and Company exhibition

12:00-12:50 Lunch

## Special invited lecture

12:50-14:00 "Human Robots and Smart Textiles"

Hiroshi Ishiguro

Osaka University (Professor Emeritus),

ATR Director of Special Laboratory, ATR Fellow



## Lecture about the forefront of smart textile

14:00-14:50 "Soft Robotics and Smart Textile"

Kelly Dobson, Technical Project Leader, Google in USA



14:50-15:00 Break

15:00-15:50 "Industry 4.0 and Smart Textile for Society 5.0"

Thomas Gries,

Director of the Technical Textile Laboratory at Aachen Institute of Technology in Germany



15:50-16:40 "Smart Textile in Automobile Assembly"

Fabian Schroeter and Christian Boekels

BMW Group in Germany



16:40-17:30 "Deployment of Smart Textile Applications to Medicine"

Marc Frouin

Coo of BioSereniti

17:40-18:00 Entertainment (under planning): Japanese Traditional Music Performance (Gagaku)

18:30-20:00 Banquet at Annex to Nara Kasugano International Forum

## 7 September (Day 2)

### Japan-Euro Joint Workshop

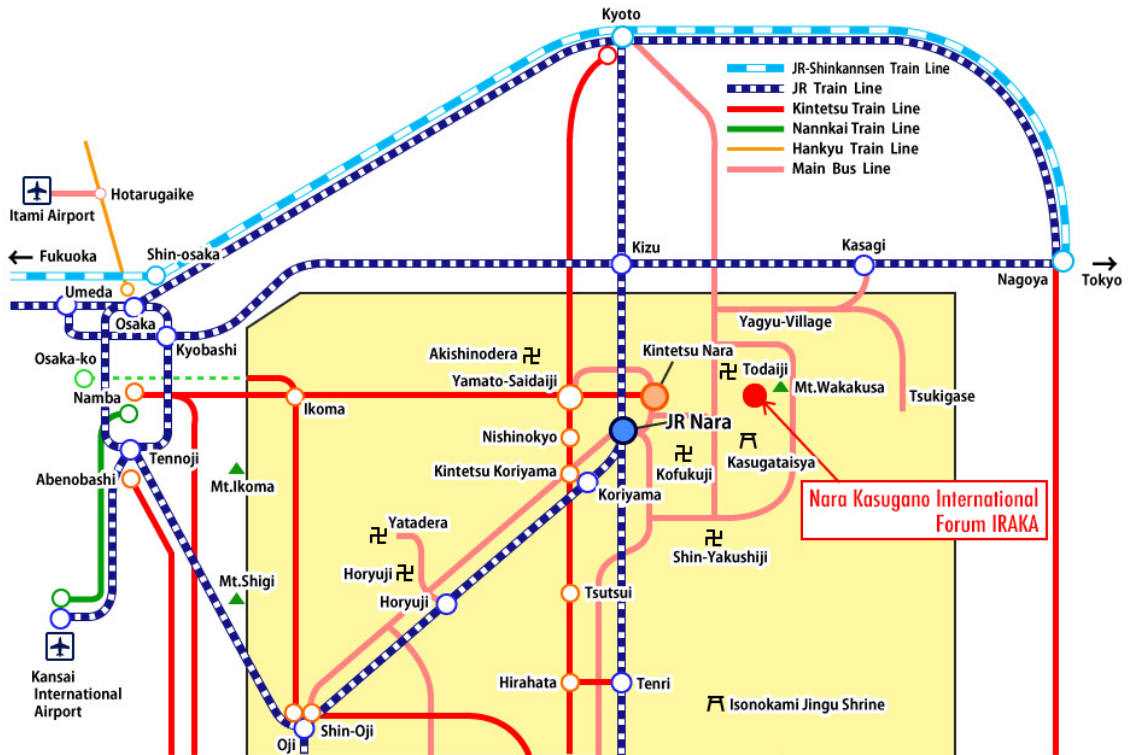
- 8:30-        Registration
- 9:30-9:40    Opening remarks  
              Hideshi Ueda, Japan Chemical Fibers Association
- 9:40-10:10   “The development of physiologically-controlled comfortable clothes for all seasons”  
              Kiyoshi Itao, WIN Representatives / University of Tokyo  
              Makoto Komazawa, WIN Frontier Director / Shibaura Institute of Technology
- 10:10-11:10   UP-TEX, European cluster, France
- 11:10-11:40   TECTERA 1, European cluster, France
- 11:40-12:30   Lunch
- 12:30-14:00   Poster session and Company exhibition
- 14:00-14:30   TECTERA 2, European cluster, France
- 14:30-15:00   “hitoe® - A Garment type wearable device -”  
              Hirokazu Sugihara, Naoki Asai, Toray Industries, Inc.  
              “Flexible Conductive Material “COCOMI®” for Biological Information Measuring Clothing”  
              Euichul Kwon, TOYOB CO., LTD.
- 15:00-15:30   “The future outlook on wearable development of Teijin Frontier”  
              Ryosuke Ebina, TEIJIN FRONTIER CO., LTD.  
              “The availability for wearable products of stretchable cable, ROBODEN”  
              Shuhei Ogawa, Asahi Kasei Corporation
- 15:30-15:50   Break
- 15:50-16:20   “e-skin -Next Generation Smart Apparel-”  
              Ichiro Amimori, Xenoma, Co-Founder & CEO
- 16:20-16:50   “International Standardization for Wearable Electronics”  
              Satoshi Maeda, IEC/TC124 Japan
- 16:50-17:00   Closing remarks

### Comfort Workshop

- 9:30-9:40    Opening remarks
- 9:40-10:20   “Aging and sweating function”  
              Yoshimitsu Inoue, Osaka International University
- 10:20-11:20   “Physiological responses of the human body and their interaction with perception and thermal comfort of clothing”  
              George Havenith, Loughborough University, UK
- 11:20-12:00   “Brain networks connecting body and mind”  
              Yasunori Kotani, Tokyo Institute of Technology
- 12:00-12:30   Lunch
- 12:30-14:00   Poster session and Company exhibition
- 14:00-14:30   “Thermal effects of graphene and its application to clothing”  
              Joo-Young Lee, Seoul National University, Korea
- 14:30-15:00   “Regulation and adaptation of human sweating”  
              Tatsuro Amano, Niigata University
- 15:00-16:00   “Thermal Regulatory Clothing for Personal Thermal Management”  
              Jintu Fan, Hong Kong Polytechnic University, China
- 16:00-16:10   Break
- 16:10-16:40   “Electro conductive polymer coated nanofiber textile electrodes for biomedical signal recordings”  
              Shingo Tsukada, NTT
- 16:40-16:55   Panel discussion
- 16:55-17:00   Closing remarks

## Access map

## Transportation for Nara



Nara city and symposium venue Nara Kasugano International Forum



The above information is in the website of Nara Kasugano International Forum:

<http://www.i-ra-ka.jp/en/>