

August 26 (Thu) - 28 (Sat), 2010.
Shinshu University, Ueda, Japan

The 5th Nagoya University - UCLA International Symposium



Shinshu University and Nagoya University Global COE Joint Symposium in Ueda

UCLA

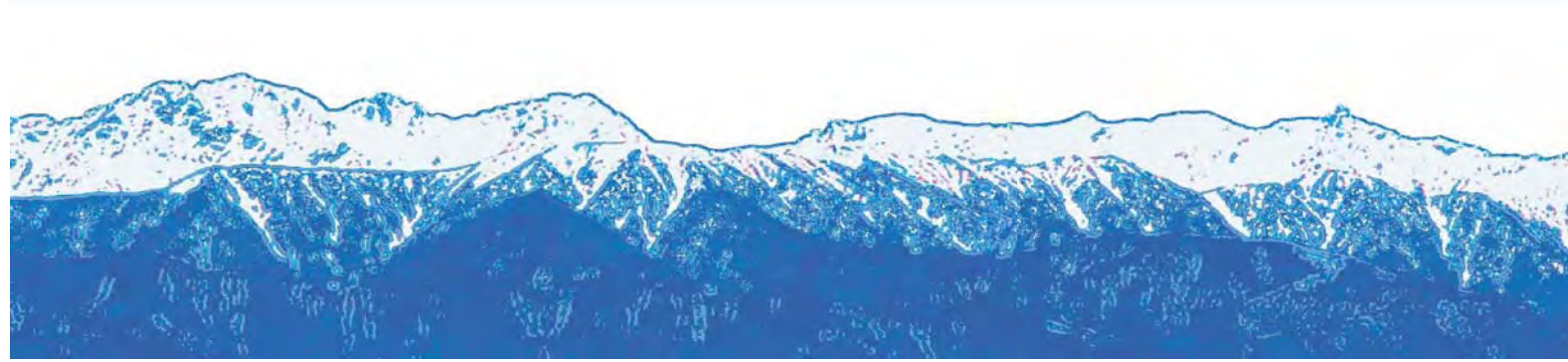
Nagoya University Global COE Program

“Education and Research of Micro-Nano Mechatronics”

&

Shinshu University Global COE Program

“International Center of Excellence on Fiber Engineering”



**The 5th Nagoya University - UCLA International Symposium
Shinshu University - Nagoya University Global COE Joint Symposium in Ueda
at Shinshu University Faculty of Textile Science and Technology**

Welcome party and all the sessions will be held on the 7th floor of
Research Center for Advanced Science and Technology (Campus Map #16)

August 26th (Th)	
	Transportation (Ueda Station >> Shinshu University)
20:00	Welcome Party
	<p>"Welcome Address" <i>Prof. Kunihiro Hamada, Dean, Faculty of Textile Science and Technology, Shinshu University</i></p> <p>"Research at Shinshu University GCOE" <i>Prof. Makoto Shimosaka, Shinshu University</i></p> <p>"Research at Nagoya University GCOE" <i>Prof. Toshio Fukuda, Nagoya University</i></p> <p>"Research at UCLA" <i>Prof. Chih-Ming Ho and Prof. Chang-Jin "CJ" Kim, UCLA</i></p>
22:00	Adjourn for the day
	Transportation (Shinshu University >> Tokyu Inn)
August 27th (Fri)	
	Transportation (Tokyu Inn >> Shinshu University)
9:00	<p>"Opening Address" <i>Prof. Chih-Ming Ho, UCLA</i></p>
9:10	Session 1 <i>Chair: Dr. Tomohiro Kawahara, Nagoya University</i>
	<p>"Feedback System Control (FSC) Technique Based Optimization for Electrochemical BoNT Aptasensor" <i>Prof. Chih-Ming Ho, UCLA</i></p> <p>9:30 "Murine Model of Personalized Cell Therapy by iPS" <i>Prof. Kennichi Isobe, Nagoya University</i></p> <p>9:50 "Biomimetic Bone Regeneration" <i>Prof. Ben Wu, UCLA</i></p> <p>10:10 "Restoration of Skeletal Muscle Function - Transplantation of Embryonic Ventral Spinal Cord Cells into Distal Nerve Stump -" <i>Prof. Goro Obinata, Nagoya University</i></p> <p>10:30 "Micro-Nanomanipulations for Cell Analysis" <i>Prof. Toshio Fukuda, Nagoya University</i></p>
10:50	Break
11:05	Session 2 <i>Chair: Dr. Carlos Rafael Tercero Villagran, Nagoya University</i>
	<p>"On-chip Robotics for Biomedical Device Innovations" <i>Prof. Fumihito Arai, Nagoya University</i></p>

11:25	"Radiosynthesis on EWOD Platform for Positron Emission Tomography (PET)" <i>Prof. Chang-Jin "CJ" Kim, UCLA</i>
11:45	"Development of Arterial Stenosis Model to Study Pathologic Wall Mechanics" <i>Prof. Shunichi Kobayashi, Shinshu University</i>
12:05	"Human-Robot Interaction in Minimally Invasive Surgery" <i>Prof. Atsushi Nishikawa, Shinshu University</i>
12:25	"Development of Page Turnig Machine with Single Sheet Separation Technique" <i>Prof. Takashi Kawamura, Shinshu University</i>
12:45	Lunch at Mulberry Hall (Campus Map #15)
13:40	Session 3 <i>Chair:Dr. Masaru Kojima, Nagoya University</i>
	"Soft Tapered Stencil Mask for Combinatorial Cluster Culture of Stem Cells" <i>Dr. Masashi Ikeuchi, Nagoya University</i>
13:55	"Development of Automatic Single Cell Dispenser" <i>Dr. Tomohiro Kawahara, Nagoya University</i>
14:10	"Quantitative Analysis Parameters of Endovascular Surgery Simulation" <i>Dr. Carlos Rafael Tercero Villagran, Nagoya University</i>
14:25	"Bio-nano Composites with Polysaccharide Nanowhiskers" <i>Dr. Jalal Uddin, Shinshu University</i>
14:40	"Novel Nanofibers from Cellulose and Chitosan" <i>Prof. Kousaku Ohkawa, Shinshu University</i>
15:00	Break
15:15	Session 4 <i>Chair:Dr. Masashi Ikeuchi, Nagoya University</i>
	"Dielectric Polymer Actuator for Artificial Muscle - From Soft Polymer Gel to Solid Polymer Film -" <i>Prof. Toshihiro Hirai, Shinshu University</i>
15:35	"Nanoelectronic Devices from Nanowire Heterostructures" <i>Prof. Yu Huang, UCLA</i>
15:55	"Graphene as an Electrode Material for Supercapacitors" <i>Prof. Wataru Sugimoto, Shinshu University</i>
16:15	"First-principles Study on Active Slip Systems in β -Sn" <i>Dr. Yusuke Kinoshita, Nagoya University</i>
16:30	"Homogenized Elastic-Viscoplastic Simulation of Plate-Fin Structures Using a Duplex Model" <i>Masatoshi Tsuda, Nagoya University</i>
16:45	Break
17:00	Student Session 1 <i>Chair:Masahiro Kojima, Nagoya University</i>
	"Pattern Formation of Vascular Stem Cells" <i>Chen Tinghsuan, UCLA</i>
17:15	"Construction of Semi-closed Single Cell Analysis System and Its Application" <i>Masaru Takeuchi, Nagoya University</i>

17:30	"Establishment of Induced Pluripotent Stem (iPS) Cells from Aged Bone Marrow (BM) - Derived Myeloid Cells" <i>Zhao Cheng, Nagoya University</i>
17:45	"Fabrication of Regenerated Silk Fibroin Nanofibrous Composite Scaffolds and Their Application in Tissue Engineering" <i>Wei Kai, Shinshu University</i>
18:00	"Release of Macromolecular Model Drugs from Biodegradable Poly(lactic-co-glycolic acid) Emulsion Electrospun Fibrous Mats" <i>Li Yuan, Shinshu University</i>
18:15	Transportation (Shinshu University >> Tokyu Inn)
19:00	Banquette @ Tokyu-Inn
	"Welcome Address" <i>Prof. Kiyohito Yamasawa, President, Shinshu University</i>
21:00	Adjourn for the day
August 28th (Sat)	
	Transportation (Tokyu Inn >> Shinshu University)
9:00	Student Session 2 <i>Chair:Daisuke Yajima, Nagoya University</i>
	"Optimization of Lipid Production by B.braunii" <i>Leyla Sabet, UCLA</i>
9:15	"Building of an ATP Production System Using Photosynthetic Proteins" <i>Takamitsu Ueki, Shinshu University</i>
9:30	"Incubated Protein Reduction and Digestion on an EWOD Digital Microfluidic Chip for MALDI-MS" <i>Nelson Wyatt, UCLA</i>
9:45	"Dynamic Observation of Nanometer-thick Liquid Films with High-resolution Ellipsometric Microscope" <i>Yosuke Kajihara, Nagoya University</i>
10:00	"Whitening of UV-irradiated PVA Film and Its Surface Morphology" <i>Yusuke Okada, Shinshu University</i>
10:15	Break
10:30	Student Session 3 <i>Chair:Ryosuke Tane, Nagoya University</i>
	"Role of Oxide Nanosheets in Electrocatalyst of Polymer Membrane Fuel Cells" <i>Takahiro Saida, Shinshu University</i>
10:45	"Biomimetic Morphology-control of Pt Nanocatalyst" <i>Li Yujing, UCLA</i>
11:00	"Microfabricated 3D Flexible Tactile Sensor for Robotic Applications" <i>Jeong Il Lee, Nagoya University</i>
11:15	"Mechanism Design Method for Micro Manipulators" <i>Shoichiro Kamada, Nagoya University</i>
11:30	"Control Strategy for Walking Assist Suit Using Neural Oscillators" <i>Zhang Xia, Shinshu University</i>

11:45	"Closing Remarks" <i>Prof. Toshio Fukuda, Nagoya University</i>
12:00	Lunch at Mulberry Hall (Campus Map #15)
13:00	Campus Tour (Campus Map #16 & 26)
14:00	Excursion
17:00	Symposium Adjourns

Poster Session during Break & Lunch Time, August 26 - 28th	
1	"The Preparation and Characterization of Hierarchical Borosilicate Glass Nanofibers" <i>Chunxia Gao, Shinshu University</i>
2	"Carboxymethyl Chitosan/ Hydroxyapatite Composite Nonwoven as Bone Regeneration Scaffold" <i>Xuxu BAO, Shinshu University</i>
3	"Study on Cell Wall Lytic Enzyme SLT70 Family in Bacillus Subtilis" <i>I Putu Sudiarta, Shinshu University</i>
4	"Construction of Conductive Polymer Channels" <i>Jian Zhou, Shinshu University</i>
5	"Effects of a Polymer on the Aggregation behavior of Acid Dyes in Inkjet Ink for Textiles" <i>Ju-Young Park, Shinshu University</i>
6	"Reconstitution of Biological Clock into Microdroplet" <i>Dr. Masaru Kojima, Nagoya University</i>
7	"Numerical Simulation for brain aneurysm" <i>Masahiro Kojima, Nagoya University</i>
8	"Electrospraying Biodegradable Nano-Meshed Microcapsules and Developing a Cell Culture Scaffold" <i>Ryosuke Tane, Nagoya University</i>
9	"Development of Optimized Two-Segment Type Hydraulic Active Catheter" <i>Daisuke Yajima, Nagoya University</i>
10	"Electrical Stimulations of Tactile Sensory Feedback for Dexterous Handling with Artificial Hands" <i>Dr. Chikara Nagai, Nagoya University</i>
11	"The Brush-like Friction Materials - Carbon Fiber and Carbon Nanotube Brushes" <i>Dr. Yosuke Tsukiyama, Nagoya University</i>

For Poster Presenters

Your posters must be in place by 20:00 on August 26th (Thu.). Please take your posters down until 13:00 on August 28th (Sat.). Otherwise the posters will be removed by the secretariat.

Campus Map



16 Research Center for Advanced Science and Technology

7F Invited Lectures, Oral Presentation, Poster Presentation, Welcome Party
2F Campus Tour ; Beyond Fibers

15 Welfare Facilities(Mulberry Hall)
Lunch

26 Faculty of Textile Science and Technology Resource Center
Campus Tour

1 Functional Machinery Mechanics Building

3 Textile Training Laboratory

5 Lecture Building

7 Auditorium

9 Functional Polymer Science

11 Applied Biology Building

13 Institute of High Polymer Research

15 Welfare Facilities(Mulberry Hall)

17 Center for Biotechnology

19 Asama Research Extension Center

21 Research Center for Human and Environmental Sciences, Division of Gene Research, Department of Life Science

23 Silkworm Rearing Room by Artificial Diet

25 Student Dormitory

27 Archery Place

2 Textile Science and Technology Library

4 Administration Building

6 Textile System Engineering Building

8 Applied Chemistry and Material Chemical

10 Engineering Building
Kansei Engineering and Bioengineering Building

12 Advanced Fiber Spinning Facilities

14 Gymnasium

16 Research Center for Advanced Science and Technology

18 Institute of Experimental Research in Farm

20 Satellite Venture Business Laboratory

22 Mechanized Rearing Room for Silkworms

24 Martial Art Building

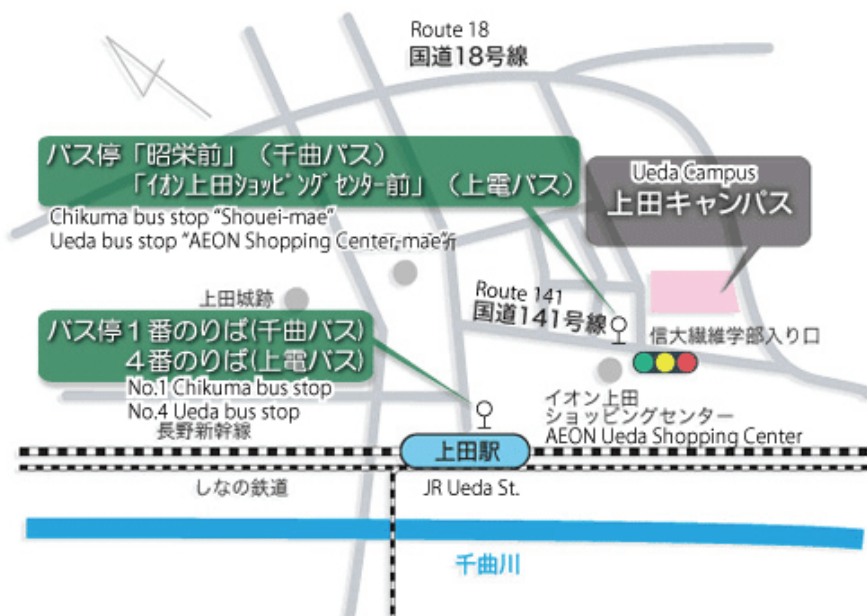
26 Faculty of Textile Science and Technology Resource Center

28 Student Room

Location

Shinshu University
Faculty of Textile Science and Technology (Tokida Campus)
3-15-1, Tokida, Ueda City, Nagano Prefecture 386-8567
Tel. +81-268-21-5300

Access Map



Access Guide

Bus

1. At JR/Shinano Rail Way Ueda Station, take Joden Bus. "East Course". Get off at Aeon Ueda Shopping Center Mae. Walk for 5 mins to campus.
2. At JR/Shinano Rail Way Ueda Station, take Chikuma Bus for Kakeyu Onsen, Komoro Eki or Maruko. Get off at Shouei Mae. Walk for 5 minutes to campus.
3. At JR/Shinano Rail Way Ueda Station, take JR Bus Kanto for Nagakubo/Iridaimon. Get off at Aeon Ueda Shopping Center mae. Walk for 5 minutes to campus.

On foot 20 mins walk from Ueda station.

Ueda Tokyu Inn

4-24-1, Tenjin, Ueda-shi, Nagano; 386-0025

Tel (81) 268-24-0109

Fax (81) 268-24-0114

▪ Access

In front of JR Ueda Station (Onsen Exit)

Nearest interchange: 10 minutes from Ueda Sugadaira exit on the Joshinetsu Expressway

▪ Sightseeing Information

Ueda Castle (10 minutes by walk)

Bessho Onsen Spa (25 minutes by train)

Visit Historical sites in Sioda-Daira Plan (by train, bus, or sightseeing bus)

▪ Convenience stores nearby

Lawson (3 minutes by walk)

Circle K (8 minutes by walk)

