



The organizing committee of ISOT 2014 extends a cordial invitation to you to come to Seattle to meet renowned international scholars and practitioners in the field of Optomechatronics. Plan to participate at the world's largest and most comprehensive technical symposium focused on Optomechatronics

Call for Papers

Topics of Interest

The scope of the symposium includes, but is not limited to:

- Adaptive/Controllable optics
- Optomechatronics for microscopes
- Laser/Fiber optics
- Optofluidics
- Micro optoelectro mechanical systems (MOEMS)
- Bio-medical imaging
- Visual motion tracking and control
- Machine vision/Optical imaging
- Optical and vision-based monitoring/control
- Optical-based sensors and actuators
- Optical metrology
- Vision-based micro/nano manipulation
- Optomechatronics for astronomy/space applications
- Optomechatronics for robotic applications
- Optomechatronics for bio-medical applications
- Optomechatronics for manufacturing applications
- Special Session 1: Design, control and applications of MOEMS
- Special Session 2: Acoustic Metamaterials and Phononic Crystals
- Special Session 3: Plasmonic Nano Opto Mechanics
- Special Session 4: Novel Optical System in Measurements
- Special Session 5: Optical pattern and optical fiber probing for micro-scale thermo-physics and fluid characterization
- Special Session 6: THz devices and applications
- Special Session 7: Optical bio/chemical sensors
- Special Session 8: Cellulose Nanocrystals: Green, Renewable Materials for Optical and Electrical Applications
- Special Session 9: Northwest Innovation
- Special Session 10: Structure and Machinery Condition Monitoring using Optomechatronics sensors

Important Dates

- Paper submission deadline: **July 15, 2014** - 5:00 pm Pacific Daylight Time
- Acceptance notification: **August 15, 2014**
- Final paper submission: **September 15, 2014**

Paper Submission

Prospective authors are invited to submit their work through the symposium website. The contributed papers will undergo peer review for scope, suitability, impact, theoretical and practical contributions. All accepted and presented papers will be published in the symposium proceedings and on the MATEC web of conferences open-access platform (www.matec-conferences.org). The paper length is three to six pages, using the MATEC single column word document format (see the authors' page for a template). Authors may indicate their preference to present their paper orally or as a poster.

Authors may choose to submit a paper for consideration to be published in the special issue of the International Journal of Optomechatronics (IJO) of Taylor & Francis indexed by SCIE. These papers must be at least six pages long, and must be of excellent quality to be considered for oral presentation and possible inclusion in the IJO. Authors of papers accepted for publication in IJO and meeting the criteria, will have an opportunity to submit a final manuscript. Final manuscripts must be prepared according to IJO specifications and must be at least six pages long



Call for Special Session

Proposals are encouraged for special sessions relating to the above topics of interest. The special sessions provide a forum for focused discussions on new and innovative topics. Typically, each special session consists of five papers, which will undergo the same review process as regular papers. Prospective special session organizers should contact Prof. Weichih Wang, ISOT 2014 Chair, abong@u.washington.edu

Industrial Exhibition

ISOT2014 offers an opportunity to meet and network with professionals both from academia and from industry in an atmosphere of free yet serious technical discussions. The breadth of research topics combined with the depth of invited and contributed technical presentations makes this symposium popular among professionals in industry. Exhibitors will display their products and services relating to optomechatronic technologies.

Go to abstract submission instructions, www.isot2014.org/call_for_papers.html, to submit your abstract.

Organized and Hosted by:



Technical Co-Sponsors:



Contacts

For program questions and special session proposals, please contact:

Weichih Wang, Chair
University of Washington
Department of Mechanical Engineering
abong@u.washington.edu

For questions about sponsorship or publications, please contact:

Ben Estroff, Local Arrangements Chair and Secretariat for Corporate Outreach
University of Washington
Department of Mechanical Engineering
BenEstroff@gmail.com, 206-965-0304

For questions about local information,
please contact:
ISOT 2014 Secretariat

University of Washington
206-221-3936
isot2014@u.washington.edu

Organizing Committee:



General Chair
Wei-Chih Wang (US)



General Co-chair
Yves Bellouard (NL)

Honorary Chairs

George K. Knopf (CA)
Hyungsuck Cho (KR)
Toru Yoshizawa (JP)

Technical Program Chair

Rainer Tutsch (DE)

Technical Program Co-chairs

Soon-Geul Lee (KR)
Jean-Marc Breguet (CH)
Shun'ichi Kaneko (JP)
Yukitoshi Otani (JP)
Farrokh Janabi-Sharifi (CA)
Yu-Lung Lo (TW)
Sergej Fatikow (DE)
Joel Kubby (US)
Hyeunseog Choi (KR)

Steering Committee Members

Yukitoshi Otani (JP)
Lionel Watkins (NZ)
Foued Ben-Amara (CA)
Sergej Fatikow (DE)
Yoshio Hayasaki (JP)
Shun'ichi Kaneko (JP)
Okyay Kaynak (TR)
George K. Knopf (CA)
Jonathan Kofman (CA)
Kee S. Moon (US)
Rainer Tutsch (DE)
Wei-Chih Wang (US)
Toru Yoshizawa (JP)
Hyungsuck Cho (KR)
Youngjune Cho (KR)
Farrokh Janabi-Sharifi (CA)
Claudio Perez (CL)

Philippe Lutz (FR)

Yves Bellouard (NL)

Local General Chair

Per G. Reinhall (US)

Lih Lin (US)

Local Technical Program Co-Chair

Alexander I. Fedortchenko (CZ)

Yu-Lung Lo (TW)

Local Technical Program Committees

Albert S. Kobayashi (US)

Nicholas Boechler (US)

Jinkyu Yang (US)

Wen-Pin Shih (TW)

Wen-Jong Wu (TW)

Cheng-Sheng Huang (TW)

Feng-Ju Hsieh (US)

Chao Shih Liu (US)

Xuefeng Huang (CN)

Joe Ho (VN)

Edward Le (US)

Local Technical Secretariat

Anastasia Koroleva (CZ)

Addison Tsui (US)

Award Chair

Rainer Tutsch (DE)

Finance Chair

Yung Yam (HK)

Local Arrangements Chair and Secretariat for Corporate Outreach

Benjamin Estroff (US)

Symposium Secretariat

ISOT 2014 Secretariat

Seattle, Washington USA

Phone: +1 206-221-3936

Email: isot2014@uw.edu

Visa Information:

For the most up to the date Visa information, please visit the United States State Department Visa website, <http://travel.state.gov/content/visas/english/business.html>.

Most Canadian citizens and many citizens from Visa Waiver Program countries can come to the United States (U.S.) without a visa if they meet certain requirements. All Visa Waiver Program travelers must present a machine-readable passport at the U.S. port of entry to enter the U.S. without a visa; otherwise a U.S. visa is required. Other foreign citizens will need a nonimmigrant visa. As you prepare to travel to the USA, check your passport expiration date. Minimally, your passport must be valid for the entire period of your intended stay in the U.S. In some cases, an additional six months validation period is required.

Beginning March 31, 2014, Chileans meeting the criteria of the Visa Waiver Program may travel to the United States for business or tourism, for up to 90 days, without a visa.

The Visa Waiver Program (VWP) allows citizens of participating countries (37 countries are Visa Waiver Program participants) to travel to the United States without a visa for stays of 90 days or less, when they meet all requirements explained on the State Department website, <http://travel.state.gov/content/visas/english/visit/visa-waiver-program.html#overview>. Travelers must be eligible to use the VWP and have a valid Electronic System for Travel Authorization (ESTA) approval prior to travel.

For information on ESTA, visit <https://esta.cbp.dhs.gov/esta/>.

If you are eligible to travel on the VWP, but prefer to have a visa in your passport, you may still apply for a visitor (B) visa.

For faster processing at a port of entry there is **GLOBAL ENTRY**. This requires prior registration and is designed for frequent travelers. It is open to U.S. citizens, lawful permanent residents, Dutch citizens, South Korean citizens and Mexican nationals. Canadian citizens and residents may enjoy Global Entry benefits through membership in the NEXUS program. Details can be found at <http://www.globalentry.gov/index.html>

New **Visa Pilot Program**

<http://www.state.gov/r/pa/prs/ps/2012/01/181500.htm>

Under a new initiative, in select circumstances, qualified foreign visitors who were interviewed and thoroughly screened in conjunction with a prior visa application may be able to renew their visas without undergoing another interview. Visa applicants are highly encouraged to check the website of the consulate where you will apply for a visa to learn the current requirements.

ALL visa and VWP travelers are encouraged to visit the U.S. federal travel web sites to be sure your travel preparations are complete, as travel documentation requirements may change.

We recommend that you begin your visa process well in advance of your visit. It has been known to take as long as six months. If you require a letter of invitation, contact the Symposium secretariat at isot2014@u.washington.edu.

Venue and Lodging

We are pleased to announce that the 2014 International Symposium on Optomechatronic Technologies (ISOT2014) will be held at the historic Hotel Deca in the University District. Hotel Deca is located near the University of Washington campus, and within easy access of downtown Seattle.

The Hotel Deca is offering a discounted room rate to ISOT 2014 registrants:

\$109 single occupancy

\$139 Junior Suite

The above room rates will be available until October 5, 2014 or until the room block fills, whichever comes first.

A **dedicated room reservation link** is provided for attendees on our the venue and lodging page of the ISOT 2014 website, www.isot2014.org,

Hotel Deca

Web: <http://www.hoteldeca.com/>

Our group code is: ISOT

Phone: (206) 634-2000

Reservations: (800) 899-0251

Fax: (206) 545-2103

4507 Brooklyn Avenue NE

Seattle, WA 98105



You may also email your requests to reservations@hoteldeca.com. Please include your arrival and departure dates. **Make sure to let the hotel know that you are attending ISOT 2014 when making your hotel reservation to receive the discounted room rate.**

155 rooms, AAA approved. Fully renovated, panoramic views, short walk west of University of Washington campus, 100% non-smoking, restaurant, lounge, and Tully's coffee shop onsite, complimentary parking for overnight guests, complimentary e-mail access available in lobby, in-room coffee, hairdryer, iron/board, data-ports, voicemail, cable TV with HBO, delivered newspapers, pay-per-view movies and Web TV, 24-hour fitness facility, onsite business center.

About Seattle

For tourist information, see www.visitseattle.org.

Seattle is a premiere tourist destination that is famous for its magnificent waterways, scenic beauty, world-class restaurants, a thriving downtown shopping district, farmer's market, professional sports teams, fine museums and galleries, and international style. On a clear day, the Olympic Mountain range to the west, Cascade Mountain range to the east, Mount Rainier to the south, and the iconic Space Needle, dominate the skyline.



Mt. Rainier
Howard Fisk



Pike Place Market
Eric Chudler



University of Washington
Eric Chudler



Space Needle
Howard Fisk

Useful links:

Find your way around Seattle:

www.seattle.gov/html/visitor/directions.htm

Ten things you can see and do in Seattle....

You can't go to Paris without stopping by the Eiffel Tower. And you can't visit Seattle without checking out the view from the world-famous Space Needle. Here's a handy "must do" list for first-time visitors and those who want to be sure they've done everything.

The Space Needle

Seattle Center, 400 Broad St.

206.905.2100;

www.spaceneedle.com

A 41-second elevator ride takes you up 520 feet to the observation deck of the Space Needle, built for the 1962 World's Fair. Enjoy a meal at SkyCity, the restaurant at the top that revolves 360 degrees while you dine.

Pike Place Market

Between First Ave. and Western, from Pike to Virginia streets www.pikeplacemarket.org
Born in 1907, Seattle's Pike Place Market is the granddaddy of farmers' markets. Today, it's a major tourist attraction with 200 businesses operating year-round, 190 craftspeople and 120 farmer booths - plus street performers and musicians. Flowers by the bucketful, flying fish, fresh pastries and fruit, handmade cheeses, local honey, wine, an assortment of restaurants, import goods, antiques, collectibles and lots of surprises are around every corner.

Ferries

www.wsdot.wa.gov/ferries

Traveling by ferry is a state of mind as much as a means of transportation to some of the Puget Sound's most historic and scenic sites. Views of the Olympic and Cascade mountains, the Seattle cityscape and the green shorelines will draw you out onto the deck to feel the salt breeze on your face. The state ferry system takes passengers and their vehicles from Seattle and nearby departure points to Vashon Island, the Kitsap Peninsula, the San Juan Islands and Canada. For privately operated ferries, see the Sightseeing & Tours (page 35) and Visitors Services/Travel & Transportation (page 120) listings in this guide.

Seattle Aquarium

Pier 59; 206.386.4300

www.seattleaquarium.org

Meet Alki, the sea otter pup born at the Aquarium. Walk under the water in a glass dome as bluntnose sixgill sharks and other Elliott Bay creatures swim all around you. Touch a sea anemone. Learn about the lives of salmon at the world's first aquarium-based salmon ladder. Marvel at the impossibly bright-colored coral reef fish. And don't forget to wave to the giant Pacific octopus.

The Seattle Waterfront

Piers 52 to 70 on Alaskan Way

ci.seattle.wa.us/tour/water.htm

A bustling collection of attractions, restaurants and shopping, as well as starting points for ferries, cruise ships, the Victoria Clipper and Argosy boat tours are located here. Feed the seagulls at the statue of Ivar Haglund in front of Ivar's Acres of Clams, stroll by the fountains on the wooden piers of Waterfront Park, admire the view or shop for souvenirs.

Woodland Park Zoo

South Gate: 750 N. 50th St

206.684.4800

www.zoo.org

See more than 1,000 animals of 300 different species, from elephants and gorillas to piranhas and penguins, in naturalistic exhibits at the Woodland Park Zoo. Drop by at scheduled feeding times and talk with the people who care for the animals.

Bill Speidel's Underground Tour

608 First Ave.

206.682.4646

www.undergroundtour.com

After the Great Seattle Fire of 1889, the city was rebuilt over the top of the ruins. This guided tour takes visitors through the hidden subterranean passages that once were the main roadways and storefronts of old downtown Seattle and tells stories of the frontier people who lived and worked there.

The Seattle Public Library

1000 Fourth Ave.

206.386.4636

www.spl.org

Designed by world-renowned Dutch architect Rem Koolhaas, the award-winning glass and steel structure of the new Central Library makes the building seem a little off-kilter and translucent - allowing passersby on the street to look in.

Tillicum Village

Blake Island

206.933.8600

www.tillicumvillage.com

A short, narrated cruise takes you to an island village, where you'll feast on salmon cooked in the authentic Native American way. A stage show of traditional dances and stories entertains and teaches you about the people who lived in the Northwest first.

Ride the Ducks of Seattle

516 Broad St, Seattle

206.441.DUCK (3825)

www.ridetheducksofseattle.com

Tour Seattle by land and water on a WWII amphibious landing craft. This 90-minute adventure tour will have you "quacking up" through the streets of Seattle. You'll see the major sights of the Emerald City on land before you head out to the funky Fremont neighborhood where you'll splash into Lake Union.

[Seattle Convention and Visitors Bureau](#)

Credit: Seattle Convention and Visitors Bureau