

2017 American Control Conference: Call for Papers

May 24-26, 2017, Sheraton Seattle Hotel, Seattle, WA (USA) (<http://acc2017.a2c2.org/>)



Organizing Committee

General Chair

Jing Sun
University of Michigan
jingsun@umich.edu

Program Chair

Rajesh Rajamani
University of Minnesota
rajamani@umn.edu

Vice-Chair: Invited Sessions

Kristi Morgansen
University of Washington
morgansen@aa.washington.edu

Vice-Chair: Industry & Applications

Junmin Wang
Ohio State University
wang.1381@osu.edu

Vice Chair: Special Sessions

Hosam Fathy
Penn State University
Hkf2@psu.edu

Vice Chair: Student Affairs

Kostas Tsakalis
Arizona State University
tsakalis@asu.edu

Exhibits Chair

Stefano Di Cairano
Mitsubishi Electric Research Labs
dicairano@ieee.org

Finance Chair

Martha Grover
Georgia Tech
martha.grover@chbe.gatech.edu

Local Arrangements Chair

Venkat Subramanian
University of Washington
vsuram@uw.edu

Publications Chair

Zhongping Jiang
New York University
zjiang@nyu.edu

Publicity Chair

Belinda Batten
Oregon State University
belinda.batten@oregonstate.edu

Registration Chair

Fumin Zhang
Georgia Tech
fumin@gatech.edu

Workshops Chair

Jerry Lynch
University of Michigan
jerlynch@umich.edu

Local Outreach Chair

David Chassin
Pacific Northwest National Laboratory
David.Chassin@pnnl.gov

The 2017 American Control Conference will be held Wednesday through Friday, May 24-26, at the Sheraton Seattle Hotel in the heart of Seattle, Washington – the most visited city in the Pacific Northwest. The conference venue is near nightlife, restaurants, shopping, and entertainment, just a walk to all of Seattle's known sights such as the Seattle Waterfront, Pike Place Market, Space Needle, Seattle Aquarium, and the Washington State Ferries.

The ACC is the annual conference of the American Automatic Control Council (AACC, the U.S. national member organization of the International Federation for Automatic Control (IFAC)). National and international society co-sponsors of ACC include American Institute of Aeronautics and Astronautics (AIAA), American Institute of Chemical Engineers (AIChE), American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), IEEE Control Systems Society (IEEE-CSS), International Society of Automation (ISA), Society for Modeling & Simulation International (SCS), and Society for Industrial & Applied Mathematics (SIAM).

The 2017 ACC technical program will comprise several types of presentations in regular and invited sessions, tutorial sessions, and special sessions along with workshops and exhibits. Submissions are encouraged in all areas of the theory and practice of automatic control.

Call for Contributed Papers: Papers are invited in the form of regular manuscripts. There is no separate short paper format. Papers must conform to the submission policy, detailed on the conference web page. All manuscripts should be written in English, be in 2-column format, and be 6 – 8 pages in length, with additional page charges applicable for pages 7 and 8.

Call for Invited Sessions: Invited sessions consist of 6 papers presenting a unifying theme from a diversity of viewpoints. Proposals must clearly describe the motivation and relevance of the session. Proposals must be accompanied by full versions of each paper, which will be individually reviewed together with the proposal itself.

Call for Tutorial Sessions: Tutorial sessions are a special category of invited sessions organized to provide an introduction to a topic of interest. The format is structured around a main tutorial paper (up to 18 pages) and talk (60 minutes) to bring the participants up to speed, followed by three presentations (with or without papers of up to 6 pages each) to give a picture of the state of the art. Tutorial sessions involving strong industry and academic collaboration are highly encouraged.

Call for Special Sessions: Special sessions are focused events designed to spotlight emerging research areas, funding opportunities, and other topics of broad interest to the conference attendees. Examples include industry-led, research sponsor-led, education-themed and control history sessions.

Call for Workshops: Workshops to be held prior to the conference are solicited on all related topics. Proposals for workshops addressing novel control methodologies and nonstandard control applications, as well as workshops with strong tutorial value are encouraged.

Exhibits: Exhibitors are invited to showcase, demonstrate and market control-related publications, software tools, prototypes, educational products, services, and jobs. Exhibits are open throughout the conference to all attendees of the ACC.

All papers and session and workshop proposals must be submitted through the conference submission website. Submissions must conform to the policy found at the conference website: <http://acc2017.a2c2.org/>.

We hope you'll join us in Seattle!

KEY DATES

Manuscript Submission:

September 19, 2016

Acceptance/Rejection Notice:

by January 15, 2017

Final Manuscript Submission:

February 28, 2017



Iconic Attractions in Seattle – site of the 2017 ACC

Look for updates and details at: <http://acc2017.a2c2.org/>

PIKE PLACE MARKET More than 10 million people visit **Pike Place Market** each year—and for good reason. One of the oldest continuously operating farmers markets in the nation, Pike Place Market is bursting with fresh seafood and produce, seasonal flowers, artisan crafts, and tempting eats. Attendees can watch



fish tossed through the air at **Pike Place Fish**, grab a pint at **Pike Brewing Company** and clap along to a busker's foot-stomping set.

MUSEUMS & ART Named the top city in the nation for culture, Seattle has dozens of museums that let visitors admire everything from vintage aircraft to geeky artifacts to priceless paintings. Find masterpieces from around the globe at **Seattle Art Museum**, the best of Asian works and artifacts at **Seattle Asian Art Museum**, stirring modern art at **Henry Art Gallery**, unique sculptures and paintings at **Frye Art Museum**, and whimsical public art at **Olympic Sculpture Park**. The **Living Computer Museum** is all about tech with its historic mainframes and restored computers, while the **Museum of History & Industry** draws on the region's rich past and maritime heritage. Just south of downtown, the **Museum of Flight** draws crowds with more than 150 air and spacecraft, plus NASA's space shuttle trainer. And a 45-minute drive north, the **Future of Flight Aviation Center & Boeing Tour** gives visitors an exclusive look at 747s, 777s, and 787s being assembled on the factory floor.

PROFESSIONAL SPORTS Fans can watch the **Mariners** go to bat at **Safeco Field** or head to neighboring **CenturyLink Field** to catch the recent Super Bowl-winning **Seahawks** and soccer's top-ranked **Sounders FC** as the teams hit the turf. And at Seattle Center, the NBA's **Seattle Storm** hoop it up at **KeyArena**, while soccer's leading ladies from the **Reign FC** take to the pitch at **Memorial Stadium**.

SPACE NEEDLE & SEATTLE CENTER It's easy to spot the iconic 605-foot-tall **Space Needle**. To get a breathtaking experience from the top, visitors take a 43-second elevator ride to the observation deck for stunning views of downtown, the Cascade and Olympic mountain ranges, and Elliott Bay. In the surrounding **Seattle Center**, some of the city's most popular attractions—renowned glass art at **Chihuly Garden and Glass**, and tropical butterfly house at **Pacific Science Center**, music and pop culture exhibits at **EMP Museum**—can fill the rest of the day or more.



ing **Seattle Center**, some of the city's most popular attractions—renowned glass art at **Chihuly Garden and Glass**, and tropical butterfly house at **Pacific Science Center**, music and pop culture exhibits at **EMP Museum**—can fill the rest of the day or more.

WINE, BEER & SPIRITS Washington is the perfect place to raise a glass. It's the second-largest producer of premium wine in the nation and the state with the second-highest number of craft breweries. Visitors needn't venture far to sample local varieties—there are more than 25 urban wineries in Seattle alone.

DOWNTOWN WATERFRONT

The 1.5-mile stretch of Seattle's waterfront boasts an array of attractions and endless ways to drink in the city's sublime weather and gorgeous views. Attendees can nosh



on seafood—like succulent crab at **The Crab Pot** or freshly shucked oysters at **Cafe 56**—or stroll from pier to pier for boat tours from **Argosy Cruises**, scenic heights on the **Seattle Great Wheel**, and aquatic cuteness at **Seattle Aquarium**.

LINKS for ATTRACTIONS

- **Argosy Cruises**, argosycruises.com
- **Bill & Melinda Gates Foundation**, gatesvc.org
- **Café 56**, elliottsoysterhouse.com/cafe-56
- **CenturyLink Field**, centurylinkfield.com
- **Chihuly Garden and Glass Seattle Center**, chihulygardenandglass.com
- **The Crab Pot**, thecrabpotseattle.com
- **EMP Museum: Seattle Center**, empmuseum.org
- **Frye Art Museum**, fryemuseum.org
- **Future of Flight Aviation Center & Boeing Tour**, futureofflight.org
- **Henry Art Gallery**, henryart.org
- **KeyArena: Seattle Center**, keyarena.com
- **Living Computer Museum**, livingcomputermuseum.org
- **Memorial Stadium: Seattle Center**, seattlecenter.com
- **Museum of Flight**, museumofflight.org
- **Museum of History & Industry**, mohai.org
- **Olympic Sculpture Park**, seattleartmuseum.org
- **Pacific Science Center: Seattle Center**, pacificsciencecenter.org
- **Pike Place Market**, pikeplacemarket.org
- **Reign FC**, reignfc.com
- **Safeco Field**, seattle.mariners.mlb.com/sea/ballpark
- **Seattle Aquarium**, seattleaquarium.org
- **Seattle Art Museum**, seattleartmuseum.org
- **Seattle Asian Art Museum**, seattleartmuseum.org
- **Seattle Center**, seattlecenter.com
- **Seattle Great Wheel**, seattlegreatwheel.com
- **Seattle Mariners**, mariners.com
- **Sounders FC**, soundersfc.com
- **Space Needle: Seattle Center**, spaceneedle.com
- **Starbucks 1912 Pike Pl (original location)**; starbucks.com
- **Woodinville Wine Country**, woodinvillewinecountry.com