Travel Kit
Sponsors and Supporters

Main Sponsors

- Wyss Zurich
- maxon motor
- ABB

Official Sponsors

- d&b
- robotics+

Supporting partners

Robotic Systems Lab (ETHZ)
Autonomous Systems Lab (ETHZ)
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The goal of FSR is to report and encourage the development of field and service robotics. These are non-factory robots, typically mobile, that must operate in complex and dynamic environments. Typical field robotics applications include mining, agriculture, building and construction, forestry, cargo handling and so on. Field robots may operate on the ground (of Earth or planets), under the ground, underwater, in the air, or in space. Service robots are those that work closely with humans, importantly the elderly and sick, to help them with their lives.

FSR Organizers

Marco Hutter, Robotic Systems Lab (RSL), ETH Zurich
Roland Siegwart, Autonomous Systems Lab (ASL), ETH Zurich

Regional Program Chairs

- Tim Barfoot (North America)
- Cedric Pradalier (EU)
- Kazuya Yoshida (Asia)

International Program Committee

- Tim Barfoot
- Peter Corke
- Carrick Dettweiler
- Philippe Giguere
- Marco Hutter
- Genya Ishigami
- Michael Jakuba
- Alonzo Kelly
- Jonathan Kelly
- Ross Knepper
- Simon Lacroix
- Christian Laugier
- Josh Marshall
- David P Miller
- Keiji Nagatani
- Juan Nieto
- Steve Nuske
- François Pomerleau
- Cédric Pradalier
- Jonathan Roberts
- Miguel Angel Salichs
- Sanjiv Singh
- Gaurav Sukhatme
- Salah Sukkarieh
- Takashi Tsubouchi
- Arto Visala
- Kazuya Yoshida
- Uwe Zimmer

Local Arrangements

- Cornelia Della Casa
- Maria Trodella

Special thanks to:

Helpdesk and Registration

Important dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Tuesday, September 12th – Friday, September 15th 2017</td>
<td>FSR 2017</td>
</tr>
<tr>
<td>Tuesday, September 12th 2017</td>
<td>Reception / Welcome</td>
</tr>
<tr>
<td>Wednesday, September 13th – Friday, September 15th 2017</td>
<td>Technical Sessions</td>
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<tr>
<td>Wednesday, September 13th 2017</td>
<td>BBQ on Hönggerberg</td>
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<td>Thursday, September 14th 2017</td>
<td>Trip to Rigi</td>
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<tr>
<td>Friday, September 15th 2017</td>
<td>Farewell / Bar hopping</td>
</tr>
</tbody>
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Registration

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Tuesday, September 12th 2017</td>
<td>15:00 – 17:00</td>
<td>HG MM (GEP Alumni Pavillon)</td>
</tr>
<tr>
<td>Wednesday, September 13th 2017</td>
<td>08:00 – 10:00</td>
<td>HG F 26.5</td>
</tr>
<tr>
<td>Thursday, September 14th - Friday, September 15th 2017</td>
<td>Upon request</td>
<td></td>
</tr>
</tbody>
</table>

Contacts

e-mail: fsr2017@mavt.ethz.ch
Phone:  
- Professor Marco Hutter: +41 44 632 74 17
- Admin:  
  - Cornelia Della Casa: +41 44 632 39 72
  - Maria Trodella: +41 44 632 09 57
Fax: +41 44 632 11 81
Emergency case:  
- (internal) ETH emergency number: 888
- (external) ETH emergency number: +41 44 342 11 88
- (external) emergency number: 114
- Marco Hutter, mahutter@ethz.ch, +41 78 815 59 79

Internet

You can access wireless internet on the entire campus:

- Network: Public
- Login: FSR2017
- Password: fSr-2017@ETH
Important Things You Need

To comfortably participate in all events, we recommend bringing along the following utensils:

- Sport/hiking shoes, warmer and rain jacket for hiking to Rigi (Thursday),
- Jogging gear for morning locomotion,
- Swimming suit for over-lunch Limmat river swimming in case of good weather,
- Rain coat / umbrella in case of bad weather.

Please wear your badge always visible.

Travel Information

We highly recommend using public transportation to get around Zurich. For additional information, please consult [www.zvv.ch](http://www.zvv.ch). Since parking in the city and near the ETH campus is limited and expensive; large portions of the city’s Old Town and commercial districts are off-limits to cars, we strongly advise against using or renting a car.

Getting there

The trains and light rail Tram no. 10 offer quick and easy access to ETH from the airport. We recommend purchasing regular tickets for your trip to/from the conference. You will need a 3-zone pass (CHF 6.80) to get to the city from the airport; the code for Zurich is “8000”.

**Airport to ETH Zurich main campus using Tram no. 10 (Journey time: 30 minutes):**
The airport tram stop is at ground level, outside the building opposite of terminal 2. Just follow the light rail/bus signs once you leave the Arrivals lounge. Take tram no. 10 (direction Bahnhofplatz/HB) to tram stop “ETH/Universitätsspital”. The trams from the airport into the city run from 05:00 to 00:40 and take about 30 minutes.

**Airport to city center using the train (Journey time: 10 minutes):**
The airport train station is underground, in the building opposite of terminal 2. Just follow the train signs once you leave the Arrivals lounge. Take any train (ICE, ICN, S-Bahn) to “Zurich HB” (central station); trains going into the city leave from platforms 3 and 4. As some trains may stop at intermediate stations, listen for “Zurich Hauptbahnhof” to be called. Trains to the city operate daily from 05:00 to past midnight, departing every 10 minutes at peak times.

**Coming from the train station:**
Coming from the train station, you can walk (10min) or take Tram no. 10; but going in the opposite direction towards “Flughafen” (Airport). Coming from the train station, you need a “Kurzstrecke” ticket (CHF 2.70). The trams at the train station leave at the exit “Bahnhofplatz/HB”. Trams from the city to the airport run from 05:00 to 00:15. Exit at the stop “ETH/Universitätsspital” for the conference; at the stop “Central” for the hotels ‘Limmathof’ and Rutli; and at the stop “Haldenegg” for all other hotels as well as the air shelter.

**Taxi:**
The airport taxi stand is located in front of Arrivals 1 and 2. A taxi ride from Zurich Airport to Zurich city centre costs approximately CHF 60.-.
Getting around

To get around town, always use a ZVV card (ticket) for downtown Zurich; fines are quite high. There are also 24 h tickets for Zurich (zone 110, 24 h, CHF 8.80) for travelling within the city.
From airport take:
- tram 10 (direction Zurich HB via ETH)
- train ICN, ICE, S2 or 1B (direction Zurich HB)
The Conference Site

The conference will be held in the Main Building (mainly HG, Room F30, "Audi Max") of ETH’s main campus in down-town Zurich.

Main Building (HG)

Welcome and Registration (Tuesday)

The Welcome and Registration on Tuesday takes place in the GEP-Pavillon, known as Alumni-Pavillon. It can be found on the South side of the Main building, right hand side. Or – if you arrive by the Polybahn, just turn right when hopping off.

The GEP Pavillon is also exclusively available for conference participants during lunch time.
Technical Sessions and Poster sessions, breakfast and Coffee breaks

All keynote speeches, presentations, poster sessions, breakfast and coffee breaks will take place in the Main Building (HG) at F-level. Direction signs will lead you to the audience and lecture rooms.
**ETH Link Bus Stop (Main Building <-> Höggerberg; Departure point for Rigi)**

Although the participants shall be leaving as a group, here is a short description to the bus stop underneath the Polyterrasse, where the bus for Höggerberg on Wednesday and the buses for Rigi on Thursday will depart:

Follow the signs “ETH Link” which can be found on E-level on the South side of the Main Building (near Polyterrasse)
Demonstrations and BBQ (Wednesday)

The demonstrations and the BBQ on Wednesday will be set up on ETH campus Hönggerberg. The participants will take the ETH shuttle bus (called ETH Link) from ETH main campus to ETH campus Hönggerberg. On Hönggerberg, the program will continue in the HIB-building with a tour of the upper floor/roof, hardware talks, demonstrations and exhibitions. The following BBQ is hosted by ABB and NCCR DFAB. Extra ETH shuttle buses will bring you back to the ETH Main Building.
Excursion to Rigi (Thursday)

On Thursday afternoon there will be an excursion to the mountain Rigi. Past the afternoon presentations and picking up your snack-bag, buses will drive you from the ETH bus station (same as Wednesday) to the station of Vitznau, where the cogwheel railway will wait to bring us up to Rigi Kulm. There you may have a walk to Rigi Staffel and enjoy the view. After the dinner hosted by maxon motors, the cogwheel railway will bring you down and the buses back to ETH Zürich, where we should arrive around 11.00 p.m. Don’t forget to bring good shoes for hiking, a warm sweater and maybe your raincoat!

Restaurants at the Conference Site

There are various restaurants and snack bars on ETH main campus. The menu of the day costs around CHF 11.00. Restaurants and snack bars are listed below and are indicated on the map. You can find more information on the following website: [http://www.gastro.ethz.ch/](http://www.gastro.ethz.ch/).

Food

**Breakfast** will be served on the second floor of the ETH main building (just in front of the lecture room) 30 min before the start of the invited talk session. At the same place, we will also have the morning coffee break. In the afternoon, we provide snacks Wednesday and Thursday. On Friday there will be farewell drinks in the GEP Alumni-Pavillon after the last sessions.

You will get vouchers which allow you to get a lunch menu in either Polyterrasse [7] or Polysnack [11] (excl. soup, salad, soft drink or sparkling water).

We may walk to the canteen together and get lunch which may be taken to the registration site, GEP Pavillon (MM), to avoid searching seats in the main canteen.

If you prefer another restaurant feel free but please consider the voucher is not valid.
<table>
<thead>
<tr>
<th>Nr</th>
<th>Name</th>
<th>Building</th>
<th>Open</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>CHN Bistro</td>
<td>CHN</td>
<td>Mo – Fr 09.00 – 16.00</td>
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<tr>
<td>2</td>
<td>Restaurant foodLAB (pasta)</td>
<td>CAB</td>
<td>Mo – Fr 09.00 – 15.00</td>
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<tr>
<td>3</td>
<td>Informatikbar / G-ESSbar</td>
<td>IFW</td>
<td>Mo – Fr 08.00 – 15.30</td>
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<td>4</td>
<td>Kiosk ETZ</td>
<td>ETZ</td>
<td>Mo – Fr 08.00 – 16.00</td>
</tr>
<tr>
<td>5</td>
<td>Tannenbar</td>
<td>ML</td>
<td>Mo – Fr 07.00 – 17.00</td>
</tr>
<tr>
<td>6</td>
<td>Clausiusbar (asia) Kiosk CLA</td>
<td>CLA</td>
<td>Mo – Fr 11.00 – 14.00</td>
</tr>
<tr>
<td>7</td>
<td>Mensa Polyterrasse (voucher accepted)</td>
<td>MM B</td>
<td>Mo – Fr 11.15 – 13.30 Mo – Fr 17.30 – 19.30</td>
</tr>
<tr>
<td>8</td>
<td>Cafeteria Polyterrasse (Einstein &amp; Zweistein)</td>
<td>MM C</td>
<td>Mo – Fr 06.45 – 19.45</td>
</tr>
<tr>
<td>9</td>
<td>bQm</td>
<td>MM C</td>
<td>Mo – Fr 11.45 – 22.00</td>
</tr>
<tr>
<td>10</td>
<td>Dozentenfoyer (restricted access)</td>
<td>HG J</td>
<td>Mo – Fr 08.30 – 15.30</td>
</tr>
<tr>
<td>11</td>
<td>Polysnack (voucher accepted)</td>
<td>HG F</td>
<td>Mo – Fr 07.30 – 16.00</td>
</tr>
<tr>
<td>12</td>
<td>CafeBar</td>
<td>HG E</td>
<td>Mo – Fr 06.45 – 17.00</td>
</tr>
</tbody>
</table>
Social Activities

Morning Locomotion (every day, good weather only)
If you would like to run with the group, you can meet a running-guide every day at the tram station Haldenegg (station in front of Hotel Leoneck) at 7.30. Enjoy different tours up the mountain with a nice view over the city or down to the lake.

Over-lunch Swimming (Wednesday and Friday, good weather only)
Grab a sandwich at Polysnack and enjoy a swim in the river over lunch. Meeting point is in front of the lecture room F30 after the last morning session (12.30). The river is just a short walk away.

Welcome Reception (Tuesday, 15.00, GEP)
The informal meet-and-greet starts at 15.00 at GEP Pavillon. You can meet the other conference participants, and register for the conference. We will serve drinks and pizza.

BBQ on Hönggerberg (Wednesday, 19.00, ETH Hönggerberg, HIB)
After the demonstrations on Hönggerberg we will have a BBQ hosted by ABB and NCCR Digital Fabrication in the HIB building. You will meet people of the simultaneous conferences AMPA (Additive Manufacturing for Products and Applications) and ETH Week 2017.

Trip to Rigi (Thursday, 15.00)
On Thursday afternoon there will be an excursion to the mountain Rigi. Enjoy the trip up to Rigi Kulm followed by a stroll to the summit with the overwhelming view! Dinner will be served in the event tent. We will be back in Zurich around 23.00.

Guidelines and equipment for presentations

Oral presentations
Speakers will present 15min followed by 5min Q&A. Please bring your own laptop for the presentation or send the slides as PDF or Powerpoint before Sept 10 to fsr@ethz.ch.

Interactive presentation
Speakers will give a 5min highlight presentation (strict timing) with no Q&A. The highlight talk session will be followed by an interactive session (1h) where the eight speakers present their work interactively on a TV screen. To ensure a smooth transition, all authors are requested to send the slides in PDF or Powerpoint before Sept 10 to fsr@ethz.ch. For the interactive session, please bring your own laptop.
Other Useful Information

Climate

The climate in Switzerland can still be nicely warm in September, between 15°C and 20°C are realistic temperatures for a sunny day. Rain is also possible; then it may drop to 10°C. So be prepared for T-shirt and light sweater and have an umbrella with you. Still don’t forget to bring you hiking shoes and a swimming suit.

Sightseeing in Zürich and Switzerland

- Zürich offers various attractions and museums and has a nice down-town shopping area. Here are some highlights:
  - Kunsthau – Switzerland’s most important art gallery contains a collection from all the important periods of European art – from the Middle Ages through to the present.
  - Rietberg Museum – the museum houses non-European art, particularly from India, China and Africa.
  - Bahnhofstrasse – the mile-long street of banks featuring exclusive fashion boutiques is the place to go shopping.
  - Zurich Zoo – Tram 6 will take you uphill to get a beautiful view of Zurich City, with the possibility to take a very nice walk to the impressive Zurich Zoo.
  - Old town – full of art galleries, antique and book shops, roaming in the old town is a pleasant way to discover the historical side of Zurich.
  - Niederdorf - during the day this is a pedestrian zone and a shopper's paradise with lots of boutiques hidden away in a patchwork of alleys. At night the many bars, restaurants and street artists turn the Niederdorf into an exciting and colorful center of entertainment.
  - The lakeside – During summertime a popular place to be for strolling, swimming, playing outdoor games or just relax in a sunny place.

- Events and parties at night can be checked on [http://zuerich.usgang.ch](http://zuerich.usgang.ch)
- Cinemas (most are in English) on [http://www.cineman.ch/kinoprogramm/process.php?day=&radius=city&city=Z%C3%BCrich](http://www.cineman.ch/kinoprogramm/process.php?day=&radius=city&city=Z%C3%BCrich)
- Travelling by train in and around the country: [http://www.sbb.ch/en/home.html](http://www.sbb.ch/en/home.html). For travelling during the night and using one of the „N“-trams or coaches (see timetables at the stops), you need an extra ticket („Nachzuschlag“) of CHF 5.00.
- Finally, Zürich can be considered as the gateway to the Alps. For more information please have a look to the tourist office website: [http://www.zuerich.com](http://www.zuerich.com). Further information will also be available at the registration desk or at your hotel.