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EUROPEAN ROBOTICS WEEK

Organisers'
Handbook and
Registration
Guide 2017



Hosted by

**European Committee
of the Regions**



EUROPEAN ROBOTICS WEEK

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Welcome !

I am happy to announce the European Robotics Week (ERW) 2017, which is due to take place from 17-26 November in all regions of Europe.

This year, we are celebrating the ERW in Brussels, at the European Committee of Regions (CoR). During an inter-institutional event at CoR, we will discuss how to exploit the particular potential that robotics has for raising productivity in Europe's regions, by fostering research and innovation, attracting investment, sparking entrepreneurship, creating jobs, involving local SMEs and authorities, and attracting new users to test technology in public spaces.

The robotics exhibition at the CoR will show how robots are part of our European identity and how they will shape the Europe of today and tomorrow, by having a tremendous impact in areas such as healthcare, education, environment and international cooperation.

We have been asking schools throughout all regions in Europe to demonstrate robotics education at all levels since 2011. I am delighted that many skilled teachers and enthusiastic local organisers have taken up this challenge and we have seen huge success in participation, with over 800 events organised in all regions of Europe last year.

This handbook was written to support all event organisers of the European Robotics Week. Within it, you will find a brief introduction to the components of the ERW, along with a collection of resources you can use to make the most of your events. At euRobotics, we believe that in the future the use of robotics in everyday life will be ubiquitous and as a result we need to involve the public from all regions in the discussion.

I also like to take this opportunity to thank all of you who are working hard to make the European Robotics Week 2017 a success!

Reinhard Lafrenz
Secretary General



European Robotics Week

A future of robots for all Europeans.

Robots have been occupying the mind and imagination of Europeans since the beginning of times: from *Automata*, the book of the ancient Greek engineer Hero of Alexandria, up to the first humanoid robot built by the Renaissance genius Leonardo da Vinci and to the word *robot* itself invented by the Czech writer Karel Capek. Robots are also the future, they fascinate youngsters, teenagers, students – essentially everybody.

European Robotics Week was born out of the initiative of the European Robotics community to bring robotics research and development closer to the public.

Its main aim is to inspire students of all educational levels to pursue careers in Science, Technology, Engineering, Arts and Mathematics (STEAM) and allow them to glimpse our future EU society and the very real impact that robotics will have in it.

Robots are cool and we all have our favourites from Sci-Fi movies. But how much more enjoyable would it be to interact with the ones that we would have built and designed ourselves?



European Robotics Week

Over 1000 events all over Europe in 2017



Since 2011, the European Robotics Week has attracted more than 200,000 people and encouraged the public to become involved in hundreds of different robotics related activities on a yearly basis. The latest edition looks to emulate this great success and aims to continue raising awareness, whilst breaking new records for attendance, introducing ever more people to the growing prominence of robotics in Europe.

With the organisation of over 830 robotics events in 30 countries, ERW2016 has once again broken all records.

During the European Robotics Week this year, industry, research institutes and universities in all regions of Europe, will again raise public awareness of robotics, by offering a whole host of robotics related activities. Open labs, exhibitions, challenges, robots in action on public squares, school visits by robotics lectures, guided tours for pupils and much more will inspire students of all ages.

ERW2017 Central Event

Visit the #ERW Central Event hosted by the European Committee of the Regions





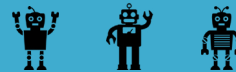




This year, we are celebrating the European Robotics Week (ERW) Central Event in Brussels, at the European Committee of the Regions (CoR). During an inter-institutional event at CoR, we will highlight the particular potential that robotics has for raising productivity in Europe's regions, by fostering research and innovation, attracting investment, sparking entrepreneurship, creating jobs, involving local SMEs and authorities, and invite new users to test technology in public spaces.

"Robots Discovery" Exhibition at CoR

Robots are part of our European identity and they will shape the Europe of today and tomorrow, by having a tremendous impact on our society. 30 robotics projects developed under Horizon 2020, FP7, ECHORD++, and other regional funding schemes will showcase.

Opening Reception at CoR

Come to test the Sohjoa Project robot bus and to listen to a concert by the largest robotics orchestra in the world, Logos!

	Monday 20 November						Tuesday 21 November									Wednesday 22 November						Thursday 23 November							
Location	11	12	13	14	15	16	11	12	13	14	15	16	17	18	19	11	12	13	14	15	16	11	12	13	14	15	16	17	
A	 Exhibition: Healthcare Robotics					 Exhibition: Education Robotics					 Opening Reception				 Exhibition: Environment Robotics					 Exhibition Robots for International Cooperation									
B											 Robot bus Sohjoa Project							 Meet the robot bus Sohjoa Project						 Meet the robot bus Sohjoa Project					
C																									 Workshop Regional Innovation Hubs				

A

Ledra Street/ Atrium 5, 5th floor
European Committee of the Regions
Bâtiment Jacques Delors
Rue Belliard 99-101, 1040 Brussels

B

Esplanade Solidarność 1980,
Rue Wiertz 60, 1040 Brussels

C

Room: JDE63, 6th floor
European Committee of the Regions
Bâtiment Jacques Delors
Rue Belliard 99-101, 1040 Brussels



European Committee
of the Regions

Hosted by

ERW2017 Central Event

The Sohjoa Baltic Robot Bus

European Parliament
Esplanade Solidarność 1980
Rue Wiertz 60, 1047 Bruxelles
22 November - 23 November, 12:00 - 16:00

The Sohjoa Baltic Robobus will be exhibited to the public on 22-23 November. You will have the chance to meet the project representatives, learn more about autonomous driving technologies and experience the bus itself.



Baltic Sea region transitioning into eco-friendly autonomous last mile public transportation

Public transport is not as flexible and accessible as private cars are in the Baltic Sea region. The project works towards increasing the attractiveness of public transport by improving offered services and introducing automated driverless electric minibuses, especially for the first and last mile of the journey. It proposes recommendations for environmentally friendly and smart automated public transport and guidelines on the organisational set-up.



EUROPEAN
REGIONAL
DEVELOPMENT
FUND



ERW2017 Central Event

Logos Robotics Orchestra Concert

European Committee of the Regions
Bâtiment Jacques Delors, Rue Belliard 99-101, 1040 Brussels, Belgium
21 November 2017, 18:00

Imagine a collection of more than sixty virtuoso musical robots that can play nearly any composition. Traditional instruments such as a piano, percussion, brass, woodwind or a variety of string instruments are combined with unheard sounds produced by newly invented instruments.

The Logos Robot Orchestra only has genuine musical instruments, fully acoustic, driven by the magic of 21st-century robotics, in its ranks. The Logos automatons surpass their historical antecedents on various levels: all musical robots have full dynamic control as well as full polyphony. Their capabilities easily exceed those of human players. The microtonal capabilities and extreme precision of the automatons turn them into the perfect tool to explore musical and expressive possibilities.

www.logosfoundation.org



ERW2017 Central Event

InQbet, The Hack for Artificial Intelligence

P&G Brussels

Temselaan 100, 1853 Grimbergen, Belgium

27 October – 27 November 2017

Makeathons and hackathons are excellent tools to foster collaborations and co-creation in a world of complex and disruptive solutions. To connect the possibilities and the need for robots and artificial intelligence between companies, startups and academic groups, the **InQbet makeathon** takes place simultaneously in Brussels, New York and Singapore. More than 100 attended the kick-off, and 50 experts members are developing solutions with startups. Established companies such as P&G, Puratos, DEME, AB-Inbev and Solvay provide opportunities to explore new robotic applications. Robot manufacturers such as ABB, Fanuc and Cohesia provide open platform capability. Artificial intelligence experts such as Microsoft, Google and SAP provide their platforms for the creation of advanced bots.

www.inqbethackathon.com



Robotics classes for children

Euro Space Center

1 Devant les Hêtres, 6890 Transinne, Belgium

24 November 2017

Euro Space Center is a discovery and educational recreation center unique in Europe. It's located in the heart of the Belgian Ardennes, in the "GALAXIA" Space Activities Park. Eurospace will host robotics classes for children (6-15 years old), held by Baudouin Hubert. Children will explore the potential and place of robots in society, and how to use them. To do this, students are invited to program a small, user-friendly robotic vehicle, Thymio. Thymio can change colour when caressed, can navigate between obstacles, or follow the programmer.



Connecting Global Competence



Messe München

OPTIMIZE

your Production

- Assembly and handling
- Machine vision
- Industrial robotics
- Professional service robotics
- Solutions for Industry 4.0—IT2Industry

- Drive technology
- Positioning systems
- Control systems technology
- Sensor technology
- Supply technology
- Safety technology



Robotik + Automation



automatica

The Leading Exhibition for Smart Automation and Robotics

June 19–22, 2018 | Munich

automatica-munich.com

Organise a Local Event

Success Stories from 2016 (Selection)

Read all the ERW2016 success stories [here](#)



Spain - Lia García

The project for the loan of educational robotics material for schools, "Travelers Kits", is an initiative promoted and coordinated by the HispaRob Thematic Group of Educational Robotics in collaboration with teachers. It consists of several kits, free of charge, with the aim that students work for a month and share their experiences. During the 2016-2017 academic year, "Travelers Kits" visited 19 educational centers in several regions of Spain. More information [here](#).



Slovakia - Ladislav Vargovčík

We organized two events. First, the "Robotic Show" for students from secondary schools in Kosice. It was a "shocking" surprise students showed up. Luckily, the event was spread across 3 rooms with 24 organizers, so we managed it quite successfully. Robots from 4 Labs were presented. The second event the "Open Doors Day", was held in Bratislava at the Slovak Technical University. Up to 300 students and children with their parents came to be inspired by a wide range of robots from typical industrial ones up to small mobile agents they could play with.



Spain (Catalonia) - Artur Coll

Since 2014, the Ministry of Education of Catalonia has been promoting the use of Arduino cards in secondary schools for pupils to build different kinds of robots. The main goal is to improve their creativity and coding skills. At the end of each year there has been a maker fair for them to show what they had created.



Romania - Ana-Maria Stancu

#technology4all

Starting from the belief that no one should be left behind in the technology race in Romania, as part of the European Robotics Week 2016, we tried to bring robotics and new technologies to different environments. We organized events in informatics and mathematics in high schools – where the pupils knew about the technologies but never seen them before; and we also organized events in rural areas for children from vulnerable groups – to show them the potential and teach them to dream. In both settings the visit was a total success and the participants were extremely excited. This is why for ERW2017 we will make things better and bigger!



Montenegro - Rade Grujičić

With the initiative and support of NGO "Nauka i Tehnika" (Science and Technics) and its founder, prof. Marina Mijanović Markuš PhD, Montenegrin teams took part in various regional and European robotics competitions. Over the past six years, the organization has helped the participation of Montenegrin university students at the worldwide competition "Robot Challenge", as well as the preparation of primary and secondary school students for national and European competitions.



Lithuania - Virginijus Baranauskas

Kaunas University of Technology Faculty of Electrical and Electronics Engineering (KTU EEF) has joined the initiative by inviting Kaunas regional community to visit KTU EEF robotics laboratories. KTU has greeted more than 160 visitors from different schools, who had the exiting opportunity to witness achievements of robotics in a few hours during the laboratories tour.

Organise a Local Event

How to Register an Event?

You have the log-in details for the euRobotics website, since you participated in the previous editions of ERW

- Go to [Login for ERW Partners](#)
- Click on the [Password-lost link](#) on the right hand-side to get your new password (please provide the email which you have used for creating the ERW login in the first place)
- You will get an e-mail with your new password

You do not have the log-in details for the euRobotics website, but you would like to upload events

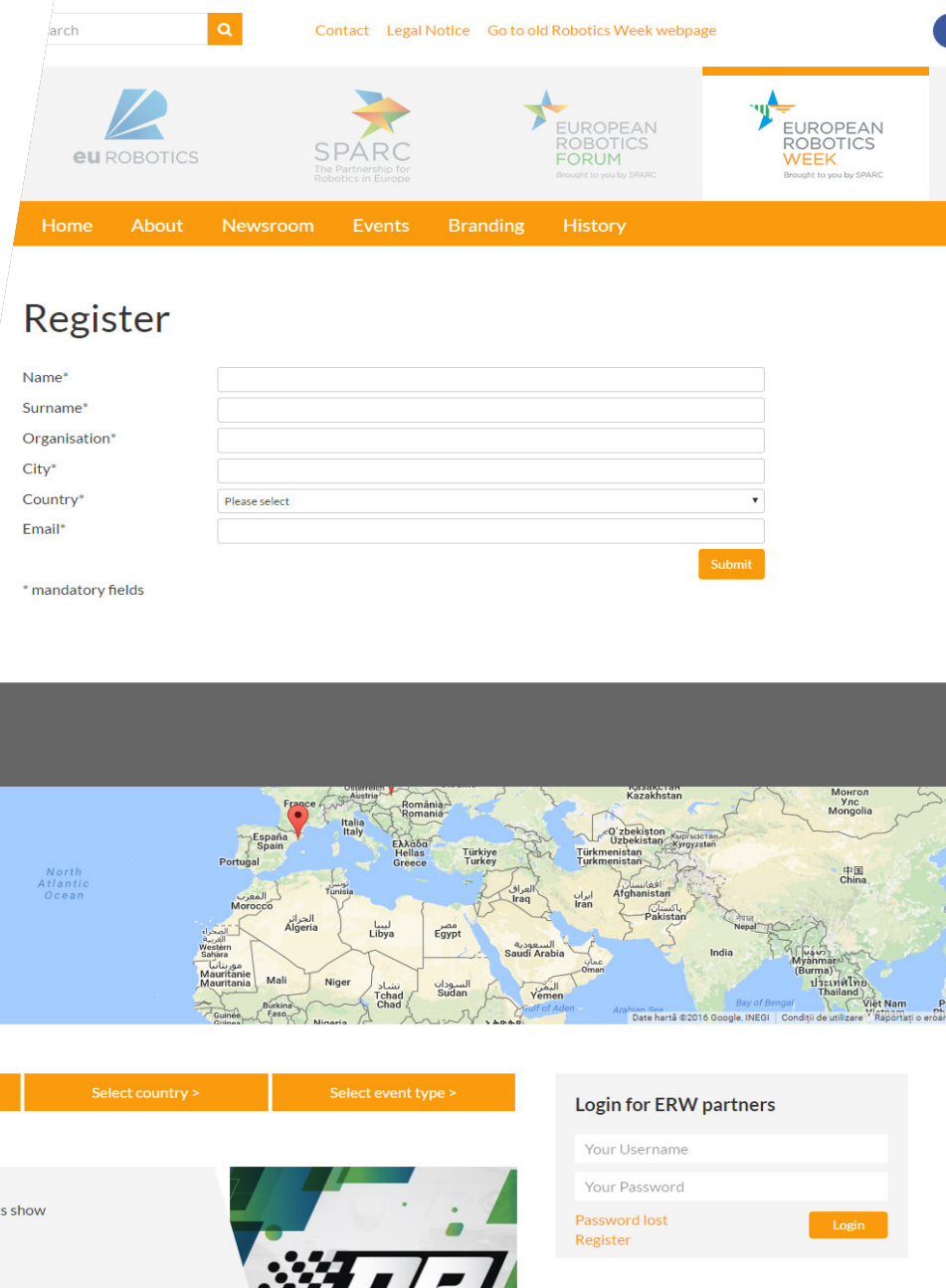
- Fill in the European Robotics Week registration form – [Events 2017 – Register form](#)
- We confirm your account and you will receive your log-in information by e-mail
- Go to [Login for ERW Partners](#) and log-in with your credentials

How to upload your event

- After logging in, click on [Manage events](#) on your right-hand side
- Click on [Create new event](#)
- Fill in the **Manage Events Form**, save and click **“Submit for review”**.
- Please do not forget to press the **“Submit for review”** button, otherwise, we will not be able to publish your event
- Events you submit will not show up online immediately. This process can take up to 2 working days. They will first go through a quick check to make sure they are suitable for the European Robotics Week and only then will they be set online
- All approved events will show on the [ERW2017 events map](#)

Please note that it may take up to 2 business day to have the event published online.

Having trouble with your event registration? Please contact events@roboticsweek.eu. You should receive an answer in maximum 2 business days.



The screenshot shows the registration page of the European Robotics Week website. At the top, there is a navigation bar with links for 'Contact', 'Legal Notice', and 'Go to old Robotics Week webpage'. Below this is a header section featuring logos for 'eu ROBOTICS', 'SPARC The Partnership for Robotics in Europe', 'EUROPEAN ROBOTICS FORUM Brought to you by SPARC', and 'EUROPEAN ROBOTICS WEEK Brought to you by SPARC'. A secondary navigation bar includes links for 'Home', 'About', 'Newsroom', 'Events', 'Branding', and 'History'.

The main content area is titled 'Register' and contains a form with the following fields: 'Name*', 'Surname*', 'Organisation*', 'City*', 'Country*' (with a dropdown menu), and 'Email*'. A 'Submit' button is located at the bottom right of the form. Below the form, a note states '* mandatory fields'.

Below the registration form is a world map showing the locations of various countries, with a red pin indicating a location in France. Below the map, there are three buttons: 'Select a date >', 'Select country >', and 'Select event type >'. To the right of these buttons is a 'Login for ERW partners' section with fields for 'Your Username' and 'Your Password', and links for 'Password lost' and 'Register'. A 'Login' button is also present.

At the bottom of the page, there is a section for 'Competition and robotics show' with a date of '10:00 - 20:00' and a location of 'Hungary'. A large graphic of a robot head is also visible.

Organise a Local Event

Media Guidelines

We want to hear about your event and help you spread the word! We will be sending you press releases about the European Robotics Week 2017. We will also be very active on our social media channels.

Prior to the event we encourage you to:

- Forward the press releases to your press office or
- Send the press release (translated into your language and tailored to your own market) to journalists
- Post the press releases on your website and blog

Don't forget to use the [ERW branding](#)!

During the event, we encourage you to:

- Be active on social media and contribute to the hashtag #ERW2017 on Facebook and Twitter
- Send to euRobotics press releases about your events

After the event we would like you to send us:

- Pictures and videos from your events
- Materials published during the event
- Media coverage links

Keep up to date with the European Robotics Week by following us on Social Media!

Follow us on:



#ERW2017

[Click here for more robotics education resources \(books, movies...\)](#)



Organise a Local Event

National Coordinators

Below you will find a comprehensive list of National Coordinators throughout Europe. If you would like to organise an event, please contact the corresponding country. If you do not see your home country listed, please contact euRobotics at secretariat@eu-robotics.net.



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Organise a Local Event

National Coordinators



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Organise a Local Event

National Coordinators



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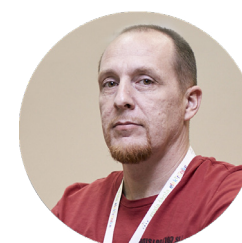


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Organise a Local Event

National Coordinators



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EUROPEAN ROBOTICS WEEK

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Contact Us To See How
You Can Be Involved!

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