

RoboCup

LEIPZIG
GERMANY **2016**

30 JUNE to 3 JULY COMPETITIONS
4 JULY SYMPOSIUM

20 YEARS OF ROBOCUP
WORLD'S LEADING AND LARGEST
INTELLIGENT ROBOTICS COMPETITION

Be an exhibitor!

robocup2016.org

Supported by

STAATSMINISTERIUM
FÜR WIRTSCHAFT
ARBEIT UND VERKEHR



Organized by



Prof. Dr.-Ing. Gerhard K. Kraetzschmar
Bonn-Rhein-Sieg University of Applied Sciences



A WELCOME FROM OUR GENERAL CHAIR

Disruptive technologies cause fundamental changes to our way of life, our way of working, and to the global economy (McKinsey 2013). Intelligent robotics is a disruptive technology! Disruptive technologies often arise from grand challenges. Some of the grand challenges of the past that produced them include putting a man on the moon, decoding the human genome, and designing a computer that could defeat the world chess champion. In 1997 a team of researchers initiated RoboCup as a new grand challenge: By 2050, a team of fully autonomous humanoid robot soccer players would be able to defeat the world champion team in a game played in accordance with the official FIFA rules. Soccer-playing robots are just one aspect of RoboCup. It also comprises self-driving vehicles and robot-based assistants for elderly care facilities, for work, home and for disaster response.

With RoboCupJunior, RoboCup is attracting young people to STEM fields and inspiring the next generation of scientists and engineers.

You are cordially invited to Leipzig for the 20th RoboCup, running from

30 June to 4 July, 2016.

See for yourself what RoboCup teams have achieved in the past 20 years. Meet more than 3,500 dedicated scientists and developers from more than 40 countries. Be inspired by the contests, and become part of the RoboCup network.



SIGNIFICANT BENEFITS FOR RESEARCH AND DEVELOPMENT, THE ECONOMY AND SOCIETY

RoboCup teams work on interdisciplinary scientific problems related to robotics, artificial intelligence (AI), computer science and engineering. The RoboCup community has so far published thousands of scientific publications at internationally renowned conferences and in scientific journals. On the final day of each RoboCup, the community also organizes a symposium.

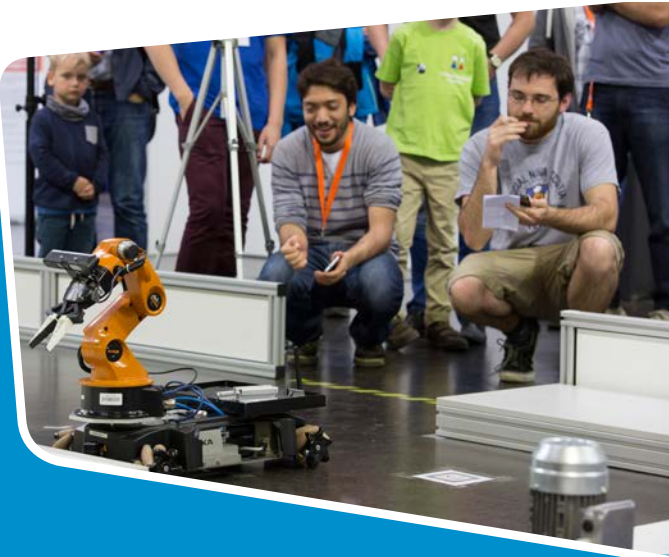
Several competitions at RoboCup highlight the immediate benefits of robotics for industry, the economy and our everyday lives:

RESCUE ROBOTS for disaster response

SERVICE ROBOTS providing assistive services to people

MOBILE ROBOTS for logistics, materials flows and transport systems

COOPERATIVE ROBOTS for performing complex tasks in industrial settings



RoboCup Major

Team members are doctoral, bachelor and master students. Team coaches are professors, postdocs and experienced doctoral students. Teams come predominantly from the course programs of robotics, automation, AI and IT.

RoboCup Soccer

Teams of robots will be programmed to autonomously orient themselves on the actual playing field and score goals or to compete in the 2D and 3D simulation leagues.

RoboCup Rescue

Tele-operated and autonomous robots quickly assess the situation in disaster scenarios and provide first aid to trapped victims.

RoboCup@Work

Mobile manipulators – mobile robots with industrial robot arms – cooperate with and assist humans in the factory of the future: Industry 4.0.

RoboCup@Home

Autonomous mobile service robots support the elderly and the disabled both at home as well as in public at home as well as in public.

Logistics League

Teams of Robotino robots from FESTO Didactics demonstrate modern production logistics and deliver materials to ten production machines.

RoboCupJunior

Primary: pupils under 15 years of age on 1 July 2016.

Secondary: pupils under 20 years of age on 1 July 2016.

Soccer

Dance / OnStage

Rescue

School children construct and program robots for contests in the areas of Soccer, Dance / OnStage and Rescue:
Focus is on creativity, knowledge and ability.

Aside from technological development, RoboCup also places a strong emphasis on nurturing the next STEM generation.



TARGETED AND EFFECTIVE

When the RoboCup community steps onto the world stage once a year, it becomes clear just how much robotics and AI are going to change and shape life in the future. Moreover, the exciting and entertaining nature of the competitions, together with the specialized opportunities for young people, succeed at awakening the enthusiasm of young talent for future technologies and STEM-fields. RoboCup provides the ideal environment for high-tech companies, universities and research institutes to present what they have to offer in a targeted and effective way.

Five good reasons to get involved:

- The exclusive chance to establish contacts with the international research elite.
- The ideal opportunity to approach top trained experts and to present yourself as an attractive employer.
- The perfect setting to demonstrate your commitment to youth development.
- The chance to cultivate your image directed at a technology-orientated audience.
- Worldwide media attention from which you can benefit as exhibitor.





INSTRUCTIVE AND INNOVATIVE

Year after year, RoboCup excites its visitors with the chance to experience the world of high-tech and innovation in an immediate and playful way. The excitement continues in the accompanying exhibitions.

Industry & Research

Education & Learning

City & Region

Sports & Edutainment



Companies from the industrial, robotics, automation and information technology sectors, as well as research institutes and start-ups can present themselves. The focus lies on technological innovations and concepts, which have been boosted by Industry 4.0 technology.

Universities, advanced technology colleges and training and research institutes have the chance to present their study programs and projects while suppliers of pedagogical learning materials have the chance to advertise their range. The goal is to get especially children and young people excited about technology, mathematics, computer science and the natural sciences.

As a host of this anniversary event, this is the ideal place to present yourself: Join us in welcoming the international community and show off the variety on offer in Leipzig and the Free State of Saxony!

At the center of the interactive area there is the chance to take part in soccer, other sports and numerous leisure activities. You can also interact with science and technology in a playful way. This is a place for not only participants and visitors to let off steam, but also an effective way for suppliers to promote their products.

Visitor Target Groups

- School children
- Students
- Graduates
- Families
- Teachers and scientists
- Participants and people interested in RoboCup and its accompanying program
- The international RoboCup community
- Professionals from relevant industries and research fields

INTERNATIONAL AND WIDE-REACHING

The worldwide media interest in RoboCup is unparalleled. Around 10,000 press contributions appear every year – in print, online, on the radio and on television. With over 200 accredited journalists, the event is covered in 75 countries. Our integrated and networked communication system means that we will reach out to more than 50 million people around the world.

(Source: RoboCup 2013, Eindhoven/Netherlands)

As exhibitor, you can directly benefit from our comprehensive international presence.

Overview of communication channels:

- **Advertisements in specialist publications and daily newspapers.**
- **Posters in schools and colleges in the local area as well as across Germany.**
- **Eye-catching promotional campaigns and media cooperation.**
- **International public and press relations**
- **Comprehensive online communications via Facebook, YouTube and Twitter**



IN THE ACTION WITH EFFECTIVE PROMOTION

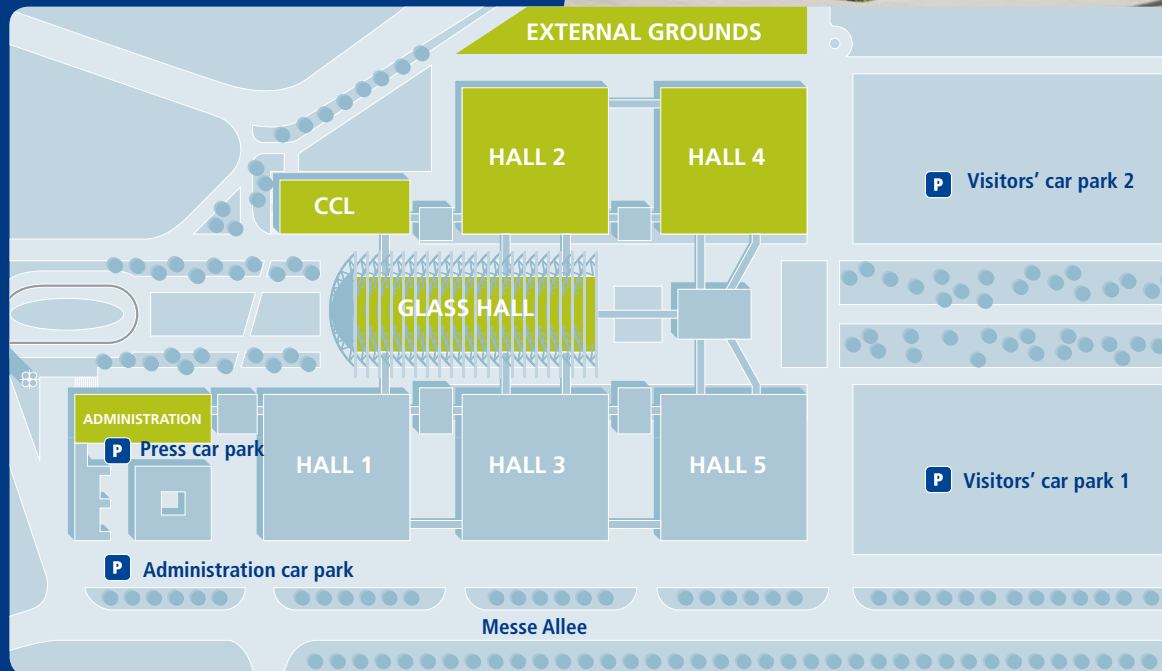
In the action and not on the sidelines: The accompanying exhibition is an integral and eye-catching part of RoboCup. It allows visitors and participants to engage faster and easier with what is on offer. Grouped thematically, the exhibition stands are located in the entrance foyer, in the Congress Center Leipzig, in the competition halls and on the external grounds.

Due to this integrated exhibition format, only a limited number of stands are available. We therefore recommend that you book in advance to secure your place!



EXHIBITION GROUNDS

Event and Exhibition



DYNAMIC AND LIVELY



“Best Place for Robots and Friends”: Leipzig is the perfect host for RoboCup. The trade fair city, which is home to Germany’s second oldest University as well as eight further advanced technical colleges, is a distinguished location for science. Among these schools is the renowned Leipzig University of Applied Sciences (HTWK), whose Nao-team has caused a storm in the soccer competition at previous RoboCup events. What is more, Leipzig is also the site of numerous significant extramural research institutes, such as two Fraunhofer Institutes and three Leibniz and Max Planck Institutes, to name just a few.

It’s not just Saxony’s educational and research institutes that represent the highest international level, but also the cultural activities on offer. So whether you fancy the Gewandhaus Orchestra, the Semperoper Opera House, the Old Masters Picture Gallery or one of the famous cabaret and variety act theatres:

Saxony has something for everyone.

INFORMATION AND DATES

Patron of RoboCup 2016

Prof. Dr. Johanna Wanka

Federal Minister for Education and Research

Martin Dulig

Minister of State in Saxony for Economic Affairs, Labor and Transport

Running Times

Exhibition and competitions: **Thursday, 30 June to Sunday, 3 July 2016.**

RoboCup Symposium (non-public event): **Monday, 4 July 2016.**

Opening Times

Thursday, 30 June until Saturday, 2 July 2016, daily from 9am to 6pm.

Finals: Sunday, 3 July 2016, 9am to 6pm.

Event Location

Leipziger Messe GmbH

Messe-Allee 1 · 04356 Leipzig

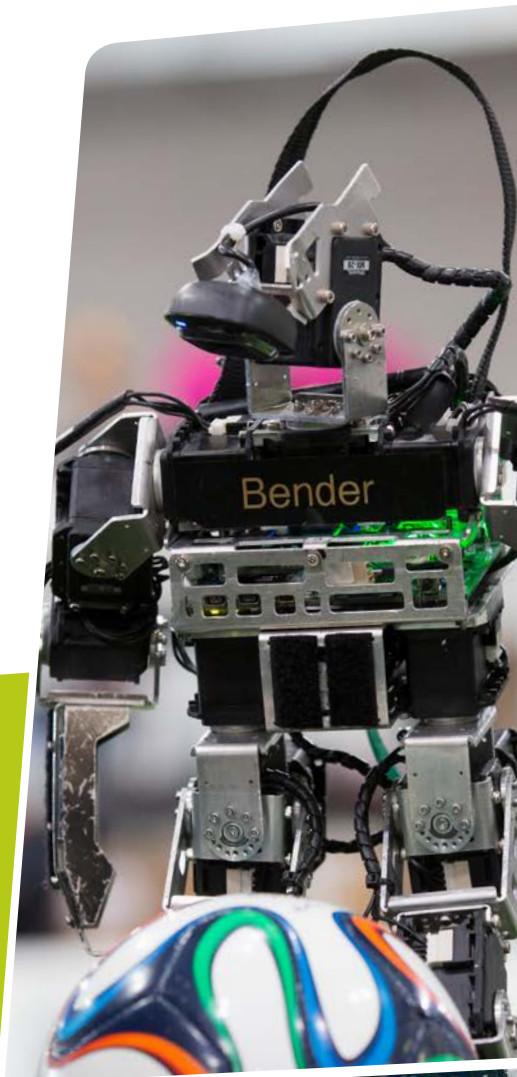
Germany

Participants: **3,500 (approx. 500 teams) from more than 40 countries**

Visitors: **approx. 40,000 (RoboCup 2013, Eindhoven / Netherlands)**

Competitions: **approx. 20 different disciplines**

Competition space: **30,000 – 40,000 m²**



PRICES

Floor space

If registering up until 15 February 2016: **€110.00/m²**

If registering from 16 February 2016: **€121.00/m²**

Prices plus €100.00 media fee, €0.60/m² AUMA (Association of the German Trade Fair Industry) fee and VAT at the current legal rate.

Get reduced
prices up until
15 February
2016!

Interactive areas

Are you planning interactive presentations and hands-on events for visitors and participants of RoboCup 2016? Then use our special offer price for interactive areas: **€65.00/m²**.

Prices plus €100.00 media fee, €0.60/m² AUMA (Association of the German Trade Fair Industry) fee and VAT at the current legal rate.

The all inclusive packages

Content items	Large	Medium	Small	Start-ups & Spin-offs*
Floor space	20 m²	15 / 16 m²	12 m²	4 m²
Incl. stand construction and lockable cabinet	✓	✓	✓	•
Electricity connection and usage	✓	✓	✓	✓
1 bar with 1 bar stool	✓	✓	✓	•
1 bar table with 2 bar stools	•	•	•	✓
1 table with cushioned chairs	✓	✓	✓	•
Stand lighting	✓	✓	✓	•
Carpeted floor	✓	✓	✓	✓
Stand decoration and stand logo/name	✓	✓	✓	•
Entry in the trade fair catalogue and online exhibitor database	✓	✓	✓	✓
Exhibitor passes	6 Passes	4 Passes	4 Passes	2 Passes
Customer invitations for free entry	50	35	12	8
Vouchers for reduced tickets to give away	200	150	50	20
Visitor brochures to give out	1,000	600	300	100
Price if registering up until 15 February 2016 (plus AUMA* fee of €0.60 and VAT at the current legal rate.) *Association of the German Trade Fair Industry	€4,250.00	€3,300.00	€2,550.00	€995.00 EUR
Price if registering from 16 February 2016 (plus AUMA fee (Association of the German Trade Fair Industry) and VAT at the current legal rate.)	€4,500.00	€3,500.00	€2,700.00	

*The company must be able to prove that they fulfill the criteria for a start-up or spin-off.

YOUR CONTACTS

Would you like to join us as an exhibitor or sponsor in 2016? We will gladly assist you in planning, organization and preparation.

Leipziger Messe GmbH
RoboCup 2016 Project Team
Messe-Allee 1 · 04356 Leipzig, Germany

Telephone: +49 341 678-8028

Telefax: +49 341 678-168028

E-Mail: info@robocup2016.org

www.robocup2016.org



Kati Fritzsche
Project Director
Leipziger Messe



Thomas Schmidt
Project Manager
Leipziger Messe



Hanna Krajczyk
Project Manager
Leipziger Messe

Supported by

STAATSMINISTERIUM
FÜR WIRTSCHAFT
ARBEIT UND VERKEHR



City of Leipzig

Organized by



LEIPZIGER MESSE





See you in Leipzig!

www.facebook.com/robocupleipzig



Leipziger Messe GmbH
RoboCup 2016 Project Team · Messe-Allee 1 · 04356 Leipzig · Germany
Tel.: +49 341 678-8028 · Fax: +49 341 678-168028
E-Mail: info@robocup2016.org, www.robocup2016.org

Photos: Leipziger Messe GmbH, Martin Klindtworth, Thomas Roetting,
Christian Krause, Tom Schulze, Angela Liebig; MEV