**RoboCup**
**EINDHOVEN 2013**
**GENNEPER PARCS EINDHOVEN**

| 24 / 25 JUNE | SETUP DAYS |
| 26 JUNE | DEMONSTRATION GAMES & SETUP |
| 27 - 30 JUNE | COMPETITIONS |
| 1 JULY | SYMPOSIUM |

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## 1. Preface

Hopefully your final developments and preparations for RoboCup 2013 are well on its way and will allow you to play attractive and winning games, both from a scientific and competition perspective. We are looking forward to seeing your innovations and achievements. To help you to get the best result out of RoboCup 2013 we are working hard with a big team to prepare everything you need.

In this fourth newsletter we would like to inform you about the updated schedule for cargo delivery, the city of Eindhoven, two of our main sponsors and ways you can promote RoboCup 2013 in your school, university or company. Finally, be aware that the deadline for team registration is approaching fast.

## 2. Update on cargo delivery

To allow all teams to receive their robots as soon as possible after they arrive at the venue, we have enlarged the periods in which the cargo can be received on Monday and Tuesday to 9 – 17 hr. Please note that every team is still responsible for receiving their own goods at the venue. RoboCup 2013 will not receive or store any goods.

You can find the Major and Junior schedules on our website using the links below. On the website you can also download a PDF version of the schedule.
Major schedule: http://www.robocup2013.org/major-leagues-schedule/
Junior schedule: http://www.robocup2013.org/junior-leagues-schedule/

## 3. About Eindhoven

Eindhoven is unmistakably the most adventurous city in the south of The Netherlands. The country's fifth-largest city offers everything you need to make life enjoyable! A bustling city center with a huge variety of shops, numerous bars, pubs and restaurants, welcoming

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terraces, a lively nightlife, an overflowing events calendar and art and culture of the highest quality! But Eindhoven also has a rich historical background. Let Eindhoven surprise you…

Walking through the streets of Eindhoven you will see a young, modern city. But looks can be deceiving… Eindhoven is in fact one of the oldest cities in The Netherlands and has a very interesting history! It received city rights back in 1232. A lively cigar and textile industry developed along the Dommel river. In the Villa park (city center) you can still see the imposing villas and mansions built by industrialists who settled here.

The creation of the light-bulb in 1891 by Philips and the first DAF truck a little later was the beginning of the development and flourishing of the city. Traces of this industrial history can still be found when visiting Eindhoven. Since then Eindhoven has grown to become one of the most prominent cities of Europe in the fields of technology, knowledge and design.

Many top-class international high-tech companies are now located in Eindhoven. The Technical University, Fontys High Schools and the Design Academy continue to attract students from all over the world. Modern architecture also found their place in Eindhoven.

Some must-sees in Eindhoven:
- *Stratumseind*
  This 225 meter long street has the most bars and other nightlife possibilities from Eindhoven. The venue De Effenaar at the Dommelstraat is also worth your visit.
- *Philips stadium*
  The Philips stadium is the home base of soccer club PSV.
- *Van Abbemuseum*
  The Van Abbemuseum is one of the leading museums for modern and contemporary art. The impressive collection includes works of Picasso, Chagall, Kandinsky, El Lissitzky, Theo van Doesburg, Mondriaan and Appel.
- *DAF-Museum*
  You can see here the first cars developed by DAF.
- *Sint Catharinakerk*
  This church is designed by the famous architect Pierre Cuypers, he also designed the Rijksmuseum and the train station Centraal Station in Amsterdam.
- *Evoluon*
  The Evoluon is well known. This 'flying saucer' used to be a museum, but nowadays it is a convention center.
- *Shopping in Eindhoven*
  Besides the shopping streets in the inner city of Eindhoven, the indoor shopping centers De Heuvelgalerie and the Piazza Centre offer you the ultimate shopping experience.

Source: www.vvveindhoven.nl

## 4. Introducing two RoboCup 2013 sponsors

In this section we would like to introduce to you two of our sponsors for RoboCup 2013, ASML and MathWorks. These two sponsors will also be present at the event. If you want to find out more about job opportunities or technical possibilities, pay them a visit.

*a. ASML*

For engineers who think ahead
ASML is a successful high-tech company headquartered in the Netherlands, which manufactures complex lithography machines that chip manufacturers use to produce integrated circuits. The steady progress of the world's technological evolution through smaller, faster, smarter, more energy-efficient yet more affordable chips is to a large extent the result of technological breakthroughs at ASML. In the space of almost thirty years we have grown from nothing into a multinational with 55 locations in 16 countries and annual sales of 5.6 billion Euros in 2011.

Behind ASML's technological breakthroughs are engineers who think ahead. The people who work at ASML include some of the most creative minds in physics, mathematics, chemistry, mechatronics, optics, mechanical engineering, software engineering, and computer science. And, because ASML spends more than half a billion Euros per year on R&D, our people have the freedom and the resources to push the boundaries of known technology. They work in close-knit, multidisciplinary teams and each day they listen to, learn from and exchange ideas with each other.

The ideal environment for growth
With such a diverse technology culture, generous R&D budget, and a collective determination to create, develop and perfect entirely new technologies ASML represents the ideal environment for professional development and personal growth.

If you have an unbridled passion for technology and want to be part of a team that tries out new ideas each day and constantly searches for better, more accurate, and faster ways of doing things, then visit www.asml.com/careers and send us your application.

*b. MathWorks*

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a programming environment for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design of multi-domain dynamic and embedded systems. Engineers and scientists worldwide rely on these product families to accelerate the pace of discovery, innovation, and development in automotive, aerospace, electronics, financial services, biotech-pharmaceutical, and other industries. MathWorks products are also fundamental teaching and research tools in the world's universities and learning institutions.

Student competitions bridge classroom theory with hands-on learning of industry practices and technologies and are important vehicles for educating the engineers of tomorrow. RoboCup is an excellent example of project-based learning for which MATLAB and Simulink are already used extensively. MathWorks wants to show the student teams, the universities and the visitors the capabilities offered by its software and explore the possibility to apply them wider and more efficiently to the design of new robot technology.  MathWorks also sees it as a social responsibility to contribute to society by stimulating our next generation to become interested in technology.  The company mission is to accelerate the pace of science and technology.

All RoboCup teams get complementary licenses for MATLAB, Simulink and other useful software that they offer and that you can use for preparing:
http://www.mathworks.nl/academia/student-competitions/robocup/resources.html

## 5.  Important dates

In the tables below you can find the important dates of the major competitions, the junior competitions and the symposium.

Team registration for both the major and junior leagues is possible until May 31. If you have not yet registered your team, make sure not to miss this deadline.

*a.  Major leagues*

| Competitions | June 27 – 30 |
|---|---|
| Demonstration games and setup | June 26 |
| Setup | June 24 – 25 |
| Late registration | June 1 – 23 |
| Regular registration[1] | May 1 – 31 |
| Early registration deadline | March 1 – April 30 |
| Deadline for completion of qualification in each RoboCup league[2] | March 15 |
| Team Pre-Registration Deadline[2] | February 15 |

[1] No team registration accepted after May 31.
[2] Pre-registration and qualification deadlines may vary for some leagues.

*b.  Junior leagues*

| Junior workshop at symposium | July 1 |
|---|---|
| Competitions | June 27 – 30 |
| Setup | June 26 |
| Late registration | June 1 – 23 |

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| Registration[1] | April 1 - May 31 |
|---|---|
| Pre-registration by national or regional representatives | March 1 - May 4 |
| Release of team allocations (quota for each country/region) | February 28 |
| Submission of placeholder applications by regional representatives | January 28 – February 20 |

[1] No team registration accepted after May 31.

*c. Symposium*

The symposium will take place on July 1 in the auditorium of the Eindhoven University of Technology ([www.tue.nl](http://www.tue.nl)). Besides the oral and poster presentations, there will be two invited speakers, Raffaelo d'Andrea (ETH) and Chad Jenkins (Brown Univ).

## 6. Promote RoboCup 2013

Your help is crucial in promoting and maximizing public engagement for RoboCup 2013. You can do this by following us on [twitter](#) and/or liking us on [facebook](#). Don't hesitate to share RoboCup-related content with us through these social media.

Furthermore, we are looking for your stories to publish on the RoboCup 2013 website. How is your team preparing for the tournament? Did you participate in regional RoboCup events? Did you demonstrate your robots at a special occasion? Let us know! Send your story, if possible with some pictures or a video, to [website@robocup2013.org](mailto:website@robocup2013.org)

Promoting RoboCup at your institution is another way to make more people aware of the upcoming event. We have created a short [video](#) that you can share on your website or show during classes. The video file, and some other materials to promote RoboCup, can be downloaded [here](#).

## 7. RoboCup 2013 mascots

With less than five weeks until RoboCup 2013 we would like to introduce all participants to a very special family of robot mascots. Most of you are familiar already with the yellow/orange robot that appears on our posters, website and in the header of this newsletter. Recently, it has been named Robot Robin in a [Facebook poll](#). A group of students of the St. Lucas College in Eindhoven now presents the rest of our robot mascots. You'll see more from them in the near future!

## 8.  Contact

For questions regarding RoboCup 2013, please contact one of the mail addresses below.
General:        info@robocup2013.org
Chairs:         chair@robocup2013.org
Competitions: competitions@robocup2013.org

Good luck with the final preparations. We are looking forward to welcoming you all at the Genneper Parcs in Eindhoven for RoboCup 2013.

On behalf of the RoboCup 2013 organization.

Best regards,

Roel Merry & René van de Molengraft
*(co-chairs RoboCup 2013)*