



Introducing the Humanoid Research Demonstration

The Goal

The RoboCup Humanoid League invite the research community to apply for **showcasing** the latest research and development results that are **relevant for humanoid robots**, during the international RoboCup World Championship and Symposium in Bordeaux, France.



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Researchers are invited to submit their demonstrations **independently of whether they participate in the RoboCup competitions, symposium or have a RoboCup team**. Contributions will be evaluated for scientific and technical excellence

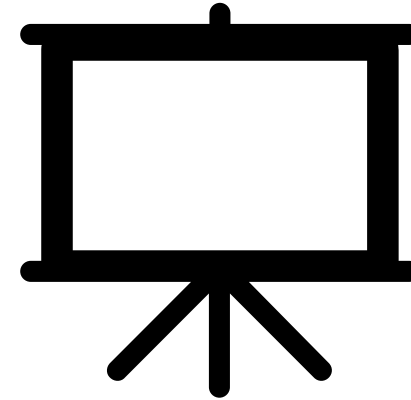
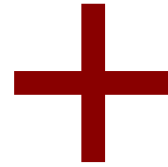
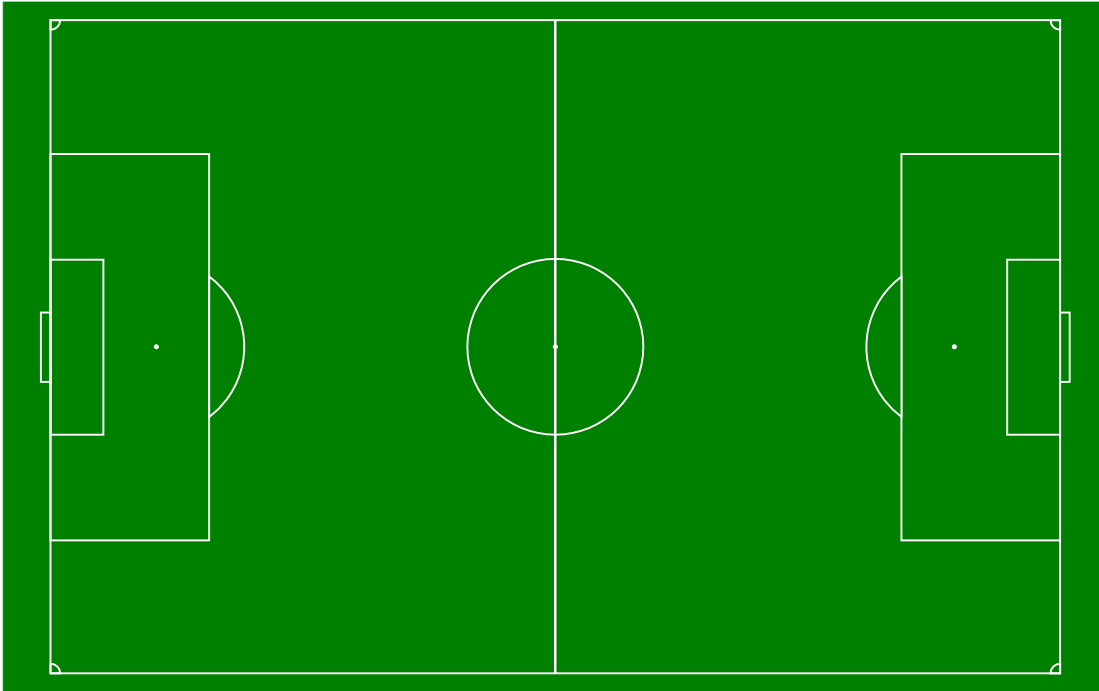


Topics of Interest

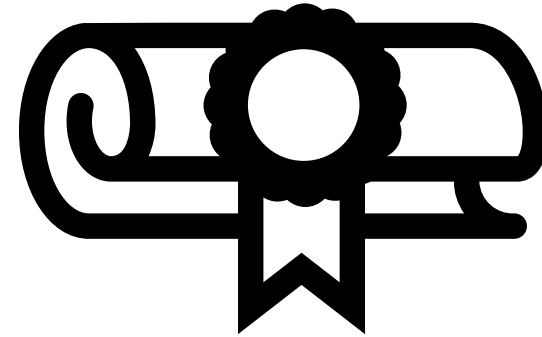
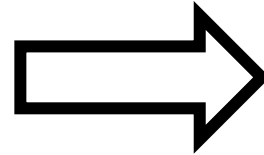
- Components, joints and mechanics
- Soft robotics
- Anthropomorphic vs. non-anthropomorphic
- Walking, running, jumping and other humanoid locomotion
- Adaptability and scalability
- Sensors and perception
- Control and stability
- Dealing with falling
- Reflexes and learning
- Energy supply and efficiency
- Robot design and robotic kits
- Virtual robots and simulation
- Benchmarking
- Bipedal robots applied to real problems
- Education with and for humanoid robots



How it works



Trophies & Certificates



Application Material

- (a) Demonstration Data
- (b) Demonstration Video (< 3 min)
- (c) Hardware Specifications
- (d) Short Paper (max 4 pages)

Registration

Teams already registered to a RoboCup league

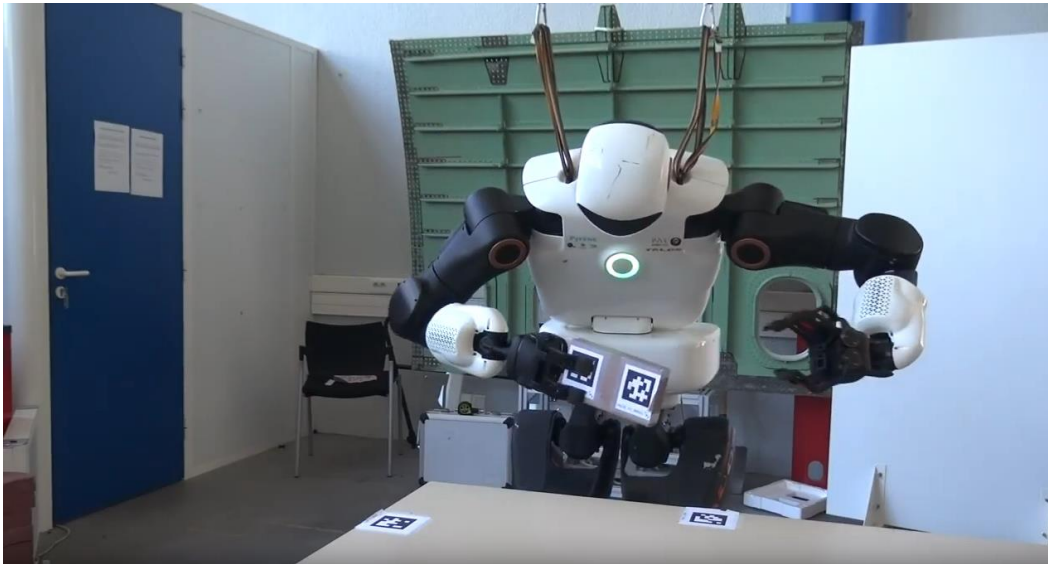
- Participation for free

Groups from outside RoboCup

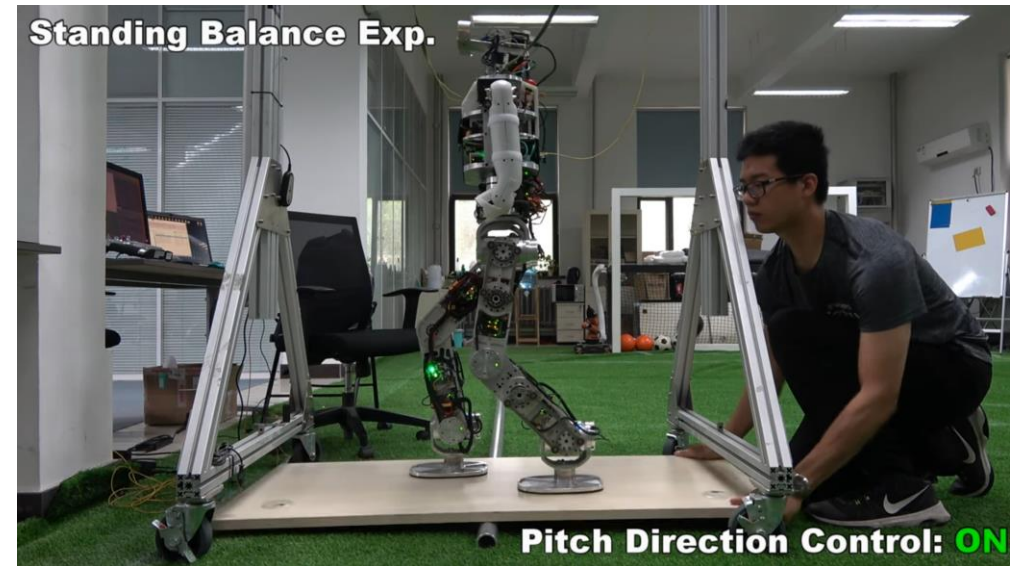
- Regular participation fee



2020 Submissions



GEPETTO (FR)



Tsinghua Hephaestus (CN)

Discussion
