



RoboCup

Humanoid League

Welcome to the
Virtual RoboCup Humanoid Open Workshops

How it came about

[rc-hl-oc] RoboCup 2020 -> 2021




rc-hl-oc <rc-hl-oc-bounces@lists.robocup.org> on behalf of April Foster <april.robocup@gmail.com>

To April Foster

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Sun 3/29/2020 4:56 PM

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Dear Worldwide RoboCup Community,

As I assume you know by now, we have had to take the difficult and unprecedented step of postponing RoboCup 2020 for one year - until June of 2021. I am very grateful both to the Bordeaux Local Organizing Committee (LOC) and to the Bangkok LOC, which has now agreed to host RoboCup in 2022, for their flexibility.

I am saddened by this postponement both because of the difficult worldwide conditions that have led to this eventuality, and because of what it will mean for many of you personally.

First and foremost, I hope that everyone in the RoboCup community is managing to stay healthy. And if you are, I encourage you to consider whether any of your considerable technical expertise - individually or within your leagues as a whole - can be turned towards helping the world overcome the current crisis. I would like nothing more than for the RoboCup community to be able to help in some way. If you have any creative ideas, please let me know!

Second, I know that many of you were already deep into your preparations for RoboCup, both as organizers and as participants. The LOC has done a fantastic job preparing, and we look forward to being able to benefit from these preparations next year. The technical committees and organizing committees of all our leagues were deep into preparations, and the symposium chairs were well on the way to organizing a great scientific event. And of course hundreds (or thousands!) of you were working hard on your teams to enter in the competition.



**Why don't we (virtually) get together
and share knowledge anyway?**

Who are we?

RoboCup Humanoid Technical Committee

- Ludovic Hofer
- Maïke Paetzel

RoboCup Humanoid Organizing Committee

- Jessica Jobski

Who are you?

USA

- UT Austin Villa

MEXICO

- Eagle Knights

PERU

BRASIL

- Rinobot Team

UNITED KINGDOM

- Bold Hearts

GERMANY

- 01.RFC Berlin
- Hamburg Bit-Bots
- Nao Devils
- NaoTH (Berlin United)
- NimbRo

NETHERLANDS

- Dutch Nao Team



PORTUGAL

- GAIPS

ITALY

FRANCE

- Rhoban Football Club

AUSTRALIA

- NUbots
- rUNSWift

NEW ZEALAND

- Electric Sheep

RUSSIA

- Starkit

JAPAN

- CIT Brains

SOUTH KOREA

CHINA

- I-KID
- SYCU-Legendary
- TH-MOS

TAIWAN

- TKU
- ZSTT-NTNU

INDONESIA

- Gandamana Team
- Ichiro ITS

INDIA

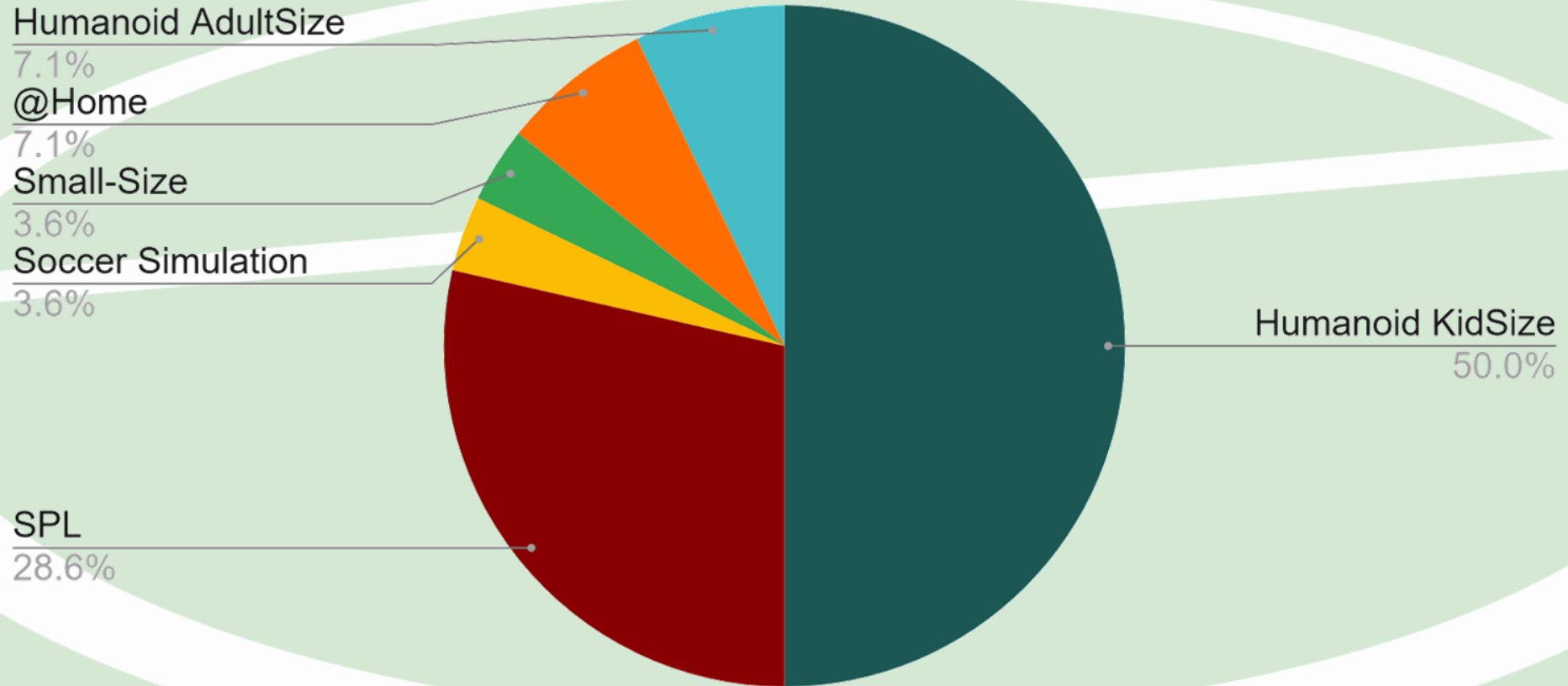
SINGAPORE

IRAN

- BlueWave
- MRL-HSL



Who are you?





Daniel Polani

Past President of the RoboCup Federation



Minoru Asada

Founding Trustee of the RoboCup Federation

Where is the V-RoHOW happening?



Presentations &
Workshops



Social Gatherings,
Discussions &
Technical Support

Presentations & Workshops



Morning Sessions

Time (GMT+2)	Thu June 25	Fri Jun 26	Sat Jun 27	Sun Jun 28
09:00 – 09:30		09:00 NUsight: Debugging Tool	09:00 Servo Interface Semantics, Taylor Expansions in Inverse Kinematics Solving and Why You Should Care	09:00 Computer Vision is a 3D Problem
09:30 – 10:00		09:35 Lightning Talk Session	09:45 Using generative adversarial networks to enhance simulation images in the context of the RoboCup Standard Platform League	09:30 The Humanoid Open Competition Track
10:00 – 10:30		10:00 “Gretchen” – a Humanoid Open Hardware		
10:30 – 11:00		Platform for Education and Research	10:30 Introducing the Humanoid Research Demonstration	

Presentations & Workshops



Afternoon Sessions

Time (GMT+2)	Thu June 25	Fri Jun 26	Sat Jun 27	Sun Jun 28
13:00 – 13:30	13:00 Welcome	13:00 Roadmap: current status and upcoming changes	13:00 Hands-on with ROS 2	13:00 The human in the loop: perspectives and challenges for robots' behaviours in Robocup 2050
13:30 – 14:00	13:30 Application of Inertial Measurement Unit For Humanoid Robot Stability			
14:00 – 14:30	14:15 A Black-Box Approach to Sim-to-Real Transfer			
14:30 – 15:00				
15:00 – 15:30	15:00 Welcome by Peter Stone			15:00 Farewell & Closing
15:30 – 16:00	15:15 Documentary: "RoboCup – robots can't jump"			

Presentations & Workshops



During Presentations



Mute your
microphone



Disable your
camera

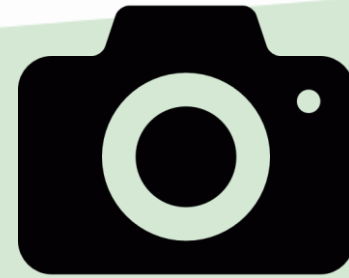
Presentations & Workshops



During Q & A and Discussions



Keep your
Microphone
muted



Everyone may
enable their
camera

Presentations & Workshops

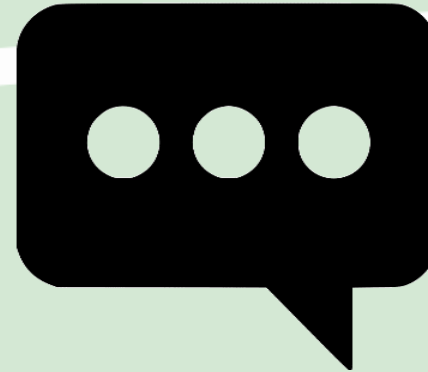


During Q & A and Discussions



Raise your
hand

OR



Write in
the chat

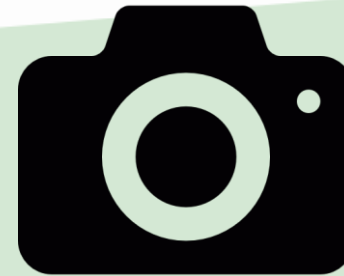
Presentations & Workshops



During Q & A and Discussions



Unmute your
Microphone when
it's your turn

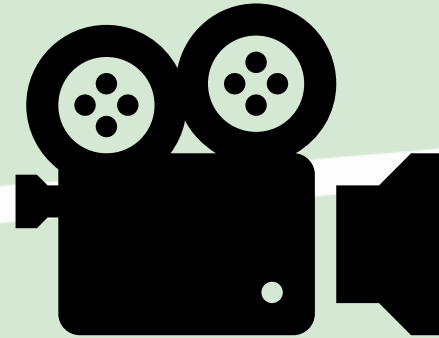


Everyone may
enable their
camera

Presentations & Workshops



Recordings

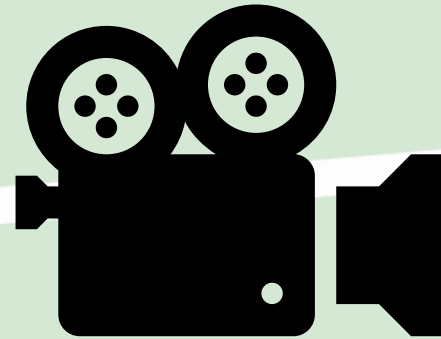


Most of the sessions will
be recorded and
published on YouTube!

Presentations & Workshops



Recordings



Most of the sessions will
be recorded and
published on YouTube!

If a session is recorded, the Q & A part is recorded as well. If you want to ask a question but do **not** want to appear in the published recordings, just write a quick note to the organizers

Social Gatherings, Discussions & Support



Social Gatherings and Discussions

Team Area

- Text and Voice channel to discuss within your own team
- Only your team members (and server admins) have access
- In order to have access to the team area, the OC needs to assign your role manually, so if you do not see it, contact the OC

Social Gatherings, Discussions & Support



Social Gatherings and Discussions

Public Area

- Text and Voice channels to meet other teams
- If you form a discussion group about a certain topic: Write a quick announcement on which field you are meeting to discuss a topic in the main text channel
- Are the voice channels too crowded?
Let the OC know, and we add more voice channels!

Social Gatherings, Discussions & Support



Announcements and Support

Organizer (TC / OC) Area

- #announcements: TC/OC gives important announcements for the league
- #technical-questions: for all questions regarding Discord, Zoom or other tools
- #organizational-questions: for questions regarding schedule and organization of the Virtual RoHOW

- TC / OC Table: Voice to reach the OC

Social Gatherings, Discussions & Support



Announcements and Support

Organizer (TC / OC) Area

- You will find one member of the OC online during the following periods:
 - Thursday: 8am – 8pm GMT+2
 - Friday: 8am – 8pm GMT+2
 - Saturday: 8am – 8pm GMT+2
 - Sunday: 8am – 4pm GMT+2



Give us feedback!

If you are missing anything or you feel something could be improved – reach out!

Next up

**13:30 – 14:00: Application of Inertial
Measurement Unit For Humanoid
Robot Stability**

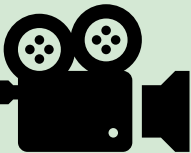
Presenter: Humayun Khan
Team: Electric Sheep



Next up

14:15 – 14:45: A Black-Box Approach to Sim-to-Real Transfer

Presenter: Siddharth Desai, Ishan Durugkar, Haresh Karnan
Team: UT Austin Villa



Next up

15:00 – 15:15: Welcome Part 2

Presenter: Peter Stone
President of the RoboCup Federation

Next up

15:15 – 15:45: Documentary
“RoboCup – robots can’t jump”

Presenter: Silvia Schmidt
kalanea.org

