

# RoboCupJunior OnStage Rules 2024

## OnStage League Committee 2024:

Christian Häußler	Germany (CHAIR)
Nicky Hughes	UK
Mauricio Gutierrez	Mexico
Amy Eguchi	USA
Thundluck Sereevoravitgul	Thailand

## OnStage League Committee 2023:

Christian Häußler	Germany (CHAIR)
Nicky Hughes	UK
Nicolas Doyon	Canada
Amy Eguchi	USA
Thundluck Sereevoravitgul	Thailand
Koto Sakamoto	Japan

These are the official rules for the RoboCupJunior OnStage events in 2024.

Major changes from the 2023 OnStage rules are written in **red**.

**Teams should make sure to review ALL the pages of these rules.** The rules have been changed to deepen and broaden the educational benefits of competing in RoboCupJunior. It focuses on the evolving technologies available in our time.

**The International Original Rules (in English) have priority over any translations.** These rules are the official rules of the RoboCup Federation.

**The rules, score sheets, and all forms of documentation can be downloaded from the official RoboCupJunior website** (<https://junior.robotcup.org>). Each team has a responsibility to verify the latest version of these documents prior to the competition, as changes may be made at any moment. Teams are encouraged to study all documents in detail.

## RoboCupJunior Forum

For inquiries and questions about the rules or competition updates, the **Official RoboCupJunior forum** (<https://junior.forum.robotcup.org/>) can be used to contact the OnStage League Committee. All official communication from the committee will be published here before and during the competition season.

## RoboCupJunior OnStage YouTube channel

Examples of good performances and documentation can be found on the **Official RoboCupJunior OnStage YouTube channel** (<https://www.youtube.com/@rcjonstage>).

## Overview

RoboCupJunior OnStage invites teams to design, build and program creative and autonomous physical robots. The objective is to create either a live or streamed, robotic performance that uses a wide variety of technology to engage an audience. This includes a range of possible performances, such as dance, storytelling, theater, or art installations. The performance may involve music, but this is optional. The league is intended to be open-ended. Teams are encouraged to be creative, innovative, and entertaining, in both the design of the robots and in the design of the overall performance.

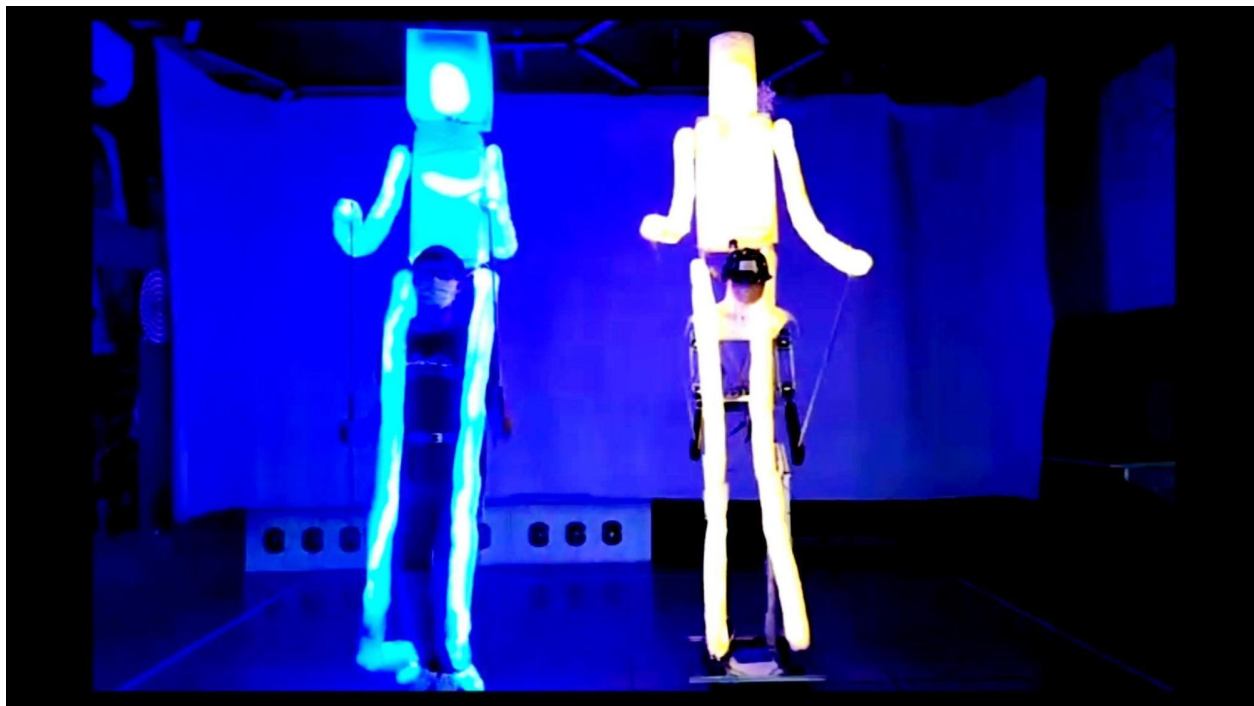
An OnStage performance should make use of innovative technologies or use technology in new innovative ways not previously developed in OnStage performances, while adding value to the performance. Innovation can be achieved with clear evidence of testing, research and development and can be an inspiration for future competitors.

An OnStage Performance must showcase the implementation and integration of robotic features in ways that visually enhance or add value and contribute to the theme or story being portrayed.

**\* More information about the selection of the features can be found in section [judging-overview].\***

During the International RoboCupJunior OnStage Competition, teams also take part in a SuperTeam Challenge. The SuperTeam Challenge is a robotic performance created by a group of two or more cooperating teams from different regions. The SuperTeams spend a short period of time for the collaborative performance creation. More details will be released before the International RoboCupJunior competition<sup>1</sup>.

From 2021 onwards, there will be no sub-leagues in RoboCupJunior OnStage.



**\* == judging - overview \***

<sup>1</sup> In previous version this said "on the official website"