

RoboCup2023 Soccer Simulation 2D League

Information Board

Related Links

Soccer Simulation 2D League

- [Binary upload manual](#)
- [Tournament Rules](#)
- [Uploading Website](#)
- [Guide Website for RCSS2D 2023](#)
- Discord: <https://discord.gg/yFxkCcatGe>

General RoboCup 2023 Links

- [RoboCup2023 Website](#)
- [RoboCup Website](#)

Live streaming

YouTube channel: [RoboCup Soccer Simulation - YouTube](#)

- Day 1 - July 6th:
 -  **RoboCup2023 Soccer Simulation 2D - (Day1) Seeding & First Round**
 - <https://www.youtube.com/watch?v=rtFTHt1-1Ek>

*Note that the live streaming is available only when the Committee team is operating.

Log files and Team binaries

Please note the below is not a long-term repository. The location will be moved later.

- [**rcss.dev/rc23-logsbins**](#)
- **Logs:**
<https://drive.google.com/drive/folders/1ADiYp81vJXbL1NvWa3uDBfbc7mNGf0U4?usp=sharing>

- **Binaries:**

<https://drive.google.com/drive/folders/18VoqBNifoXHlqbOGjxBy3eL6kfphn8K5?usp=sharing>

Participating Teams

| Team Name | Team Leader | Country | S-Challenge |
|------------|------------------------|---------|-------------|
| FRA-UNIted | Thomas Gabel | Germany | NO |
| HELIOS2023 | Hidehisa Akiyama | Japan | NO |
| YuShan2023 | Cheng Zekai | China | NO |
| ITAndroids | Davi Muniz Vasconcelos | Brazil | NO |
| RoboCIn | Pedro Cunha | Brazil | NO |
| CYRUS | Nader Zare | Canada | NO |
| The8 | Morteza Noohpisheh | Iran | NO |
| Oxsy | Sebastian Marian | Romania | NO |
| Damavand | Mahan Zamani | Iran | YES |
| EMPEROR | Erfan Fathi | Iran | YES |
| Hades2D | Rozhina Pourmoghaddam | Iran | YES |
| Hermes2D | Seyede Raha Rokni | Iran | YES |
| R3CESBU | Mohammad Hesam Nasiri | Iran | NO |
| Robo2D | Matin Nouri | Iran | YES |
| MT2023 | Cunyuan Wang | China | NO |

Before tournament starts

Team binaries can be uploaded through a website. Please test your binaries. This will also be a good practice of uploading team binaries.

You can select a team color for your team first color, the second color will be the default rcssmonitor colors.

Colors List

| | | | |
|--|--|---|--|
| English Violet 593F62 89, 63, 98 89 63 98 | | Rifle Green 4E5340 78, 83, 64 78 83 64 | |
|--|--|---|--|

| | | | |
|---|-------------------|---|----------------|
| Mango FFBD00 255, 189, 0 255 189 0 | ITAndroids | Flame F7F9F9 220, 89, 46 | |
| Platinum E8EDED 232, 237, 237 | | Sonic Silver 707070 112, 112, 112 | The8 |
| Oxford Blue 0E1C36 14, 28, 54 14 28 54 | Robo2D | Candy Pink E76D83 231, 109, 131 | RoboCln |
| Star Command Blue 007CBE 0, 124, 190 0 124 190 | FRA-UNIted | Red F50400 245, 04, 0 245 040 | CYRUS |
| Cultured F5F5F5 245 245 245 | | Gold FFD700 255, 215, 0 | |
| Capri 33B8FF 51, 184, 255 51 184 255 | EMPEROR | Pullman Brown UPS 6B4201 107, 66, 1 | |

5, JULY, 2023

Team leaders' meeting and drawing (13 teams)

- team meeting: ~17:00 pm(CET) 15:00 (UTC)
 - In person at venue
 - Discord Room #1
- Team Calling
- Briefing
 - Competition Rules
 - Schedule
- Drawing for Groups 4 (2*3 + 2*4)
 - The top 4 participating teams of RoboCup2022 (HELIOS, CYRUS, YuShan, Oxsy) will be randomly seeded in 4 groups.
 - The rest of teams will be randomly assigned to groups

| Group (teams number) | Teams |
|----------------------|-------|
| | |

| | |
|------|---|
| A(4) | Damavand Hermes2D CYRUS ITAndroids |
| B(3) | Oxsy R3CESBU RoboCIn Robo2D |
| C(3) | The8 YuShan2023 EMPEROR |
| D(3) | HELIOS2023 FRA-UNITed Hades2D |

Team Robo2D has been added to the competition (randomly has been assigned to group B)

TC Nomination

We welcome the recommendation of the next technical committee members. It is open to everybody who has knowledge of soccer simulation 2D league.

Introduction

We call for two members of the technical committee who contribute to the league by discussing and establishing the league's rules. The task of the technical committee is to discuss the league's rules considering the league roadmap. If the proposed rules require the new code of the soccer server, they may need to provide an implementation or we invite volunteers to work together on the implementation.

All candidates for a technical committee member must be **supported by two people**. The supporters must be a current technical committee member, a past technical committee member, or a team leader in this league which is competing in this year's competition. (**Self-)Recommender should send (Tomoharu Nakashima a DM with your supporter's names.**

Candidates should not necessarily be a team member of this year's competition. However, the candidates should show their knowledge on the league during the speech just before the election.

The term of the technical committee member is one year.

6, JULY, 2023

- Binary upload deadline: **10:00 am (CET) 08:00 (UTC)**
 - (The organizers will conduct the final check of team binaries)
- The first game starts not before **10:15 am (CET) 08:15 (UTC)**
- TC election **16:00 (CET) 14:00 (UTC)**

Live Streaming:  **RoboCup2023 Soccer Simulation 2D - (Day1) Seeding & First Round**
<https://www.youtube.com/watch?v=rtFTHt1-1Ek>

Log files:

Seeding Round:
<https://drive.google.com/file/d/1M8hiZ66F5DG1ul-R6prT62P3hOY2BZ-J/view?usp=sharing>

First Round:
https://drive.google.com/file/d/1G7s8wNg2kTYg_1U_Ef8Dt-3z1h02HHpo/view?usp=sharing

| Server 1 | Server 2 | Server 3 |
|------------------------|--------------------|--------------------------|
| SA damavand hermes2d | SB robocin r3cesbu | SC yushan2023 the8 |
| SA itandroids damavand | SB oxsy robocin | SC emperor yushan2023 |
| SA cyrus itandroids | SB robo2d oxsy | SC emperor the8 |
| SA itandroids hermes2d | SB oxsy r3cesbu | SD fra-united helios2023 |
| SA cyrus damavand | SB robo2d robocin | SD hades2d fra-united |
| SA cyrus hermes2d | SB robo2d r3cesbu | SD hades2d helios2023 |

Seeding rounds (Groups A, B, C, D)

| Group A | Damavand | Hermes2D | CYRUS | ITAndroids | Points | Rank |
|------------|----------|----------|-------|------------|--------|------|
| Damavand | | 4 - 1 | 0 - 1 | 1 - 0 | 6 | 2 |
| Hermes2D | 1 - 4 | | 0 - 8 | 0 - 2 | 0 | 4 |
| CYRUS | 1 - 0 | 8 - 0 | | 2 - 0 | 9 | 1 |
| ITAndroids | 0 - 1 | 2 - 0 | 0 - 2 | | 3 | 3 |

| Group B | Oxsy | R3CESBU | RoboCln | Robo2D | Points | Rank |
|---------|-------|---------|---------|--------|--------|------|
| Oxsy | | 4 - 2 | 2 - 0 | 4 - 4 | 7 | 1 |
| R3CESBU | 2 - 4 | | 1 - 1 | 0 - 0 | 2* | 4 |
| RoboCln | 0 - 2 | 1 - 1 | | 1 - 0 | 4 | 2 |
| Robo2D | 4 - 4 | 0 - 0 | 0 - 1 | | 2* | 3 |

* Tie Breaker Rule 3: [R2D,R3C] => GD(R3C: R2D:-1 , R3C: -2) => R2D > R3C

| Group C | The8 | YuShan2023 | EMPEROR | Points | Rank |
|------------|-------|------------|---------|--------|------|
| The8 | | 0 - 4 | 2 - 2 | 1* | 3 |
| YuShan2023 | 4 - 0 | | 5 - 1 | 6 | 1 |
| EMPEROR | 2 - 2 | 1 - 5 | | 1* | 2 |

*Tie Breaker Rule 5: [T8,EMP] => H2H (2-2) => GD(EMP:-4,T8:-4) =>
GS(EMP:3,T8:2) => EMP>T8

| Group D | HELIOS2023 | FRA-UNited | Hades2D | Points | Rank |
|------------|------------|------------|---------|--------|------|
| HELIOS2023 | | 3 - 0 | 10 - 0 | 6 | 1 |
| FRA-UNited | 0 - 3 | | 1 - 0 | 3 | 2 |
| Hades2D | 0 - 10 | 0 - 1 | | 0 | 3 |

| G# | Server 1 | Server 2 |
|----|--|--|
| 1 | E helios2023 robocin (Half of the stream not available) | F the8 r3cesbu (Half of the stream not available) |
| 2 | E hades2d helios2023 (Half of the stream not available) | F robo2d the8 (Half of the stream not available) |
| 3 | E hermes2d hades2d | F fra-united robo2d |
| 4 | E emperor hermes2d | F yushan2023 fra-united |
| 5 | E itandroids emperor | F damavand yushan2023 |
| 6 | E cyrus itandroids | F oxsy damavand |
| 7 | E hades2d robocin | F robo2d r3cesbu |
| 8 | E hermes2d helios2023 | F fra-united the8 |

| | | |
|----|-------------------------|-----------------------|
| 9 | E emperor hades2d | F yushan2023 robo2d |
| 10 | E itandroids hermes2d | F damavand fra-united |
| 11 | E cyrus emperor | F oxsy yushan2023 |
| 12 | E hermes2d robocin | F fra-united r3cesbu |
| 13 | E emperor helios2023 | F yushan2023 the8 |
| 14 | E itandroids hades2d | F damavand robo2d |
| 15 | E cyrus hermes2d | F oxsy fra-united |
| 16 | E emperor robocin | F yushan2023 r3cesbu |
| 17 | E itandroids helios2023 | F damavand the8 |
| 18 | E cyrus hades2d | F oxsy robo2d |
| 19 | E itandroids robocin | F damavand r3cesbu |
| 20 | E cyrus helios2023 | F oxsy the8 |
| 21 | E cyrus robocin | F oxsy r3cesbu |

First rounds (Groups E,F)

| Group E | CYRUS | HELIOS2023 | EMPEROR | RoboCIn | ITAndroids | Hades2D | Hermes2D | Points | TGD | Rank |
|------------|-------|------------|---------|---------|------------|---------|----------|--------|-----|------|
| CYRUS | | 0 - 1 | 2 - 0 | 5 - 1 | 1 - 0 | 7 - 0 | 3 - 0 | 15 | +16 | 2 |
| HELIOS2023 | 1 - 0 | | 5 - 0 | 5 - 0 | 5 - 0 | 8 - 2 | 18 - 0 | 18 | +40 | 1 |
| EMPEROR | 0 - 2 | 0 - 5 | | 2 - 9 | 0 - 0 | 5 - 0 | 0 - 0 | 5 | -9 | 6 |
| RoboCIn | 1 - 5 | 0 - 5 | 9 - 2 | | 1 - 1 | 9 - 1 | 5 - 0 | 10 | +11 | 3 |
| ITAndroids | 0 - 1 | 0 - 5 | 0 - 0 | 1 - 1 | | 1 - 2 | 1 - 0 | 5 | -6 | 5 |
| Hades2D | 0 - 7 | 2 - 8 | 0 - 5 | 1 - 9 | 2 - 1 | | 3 - 2 | 6 | -24 | 4 |
| Hermes2D | 0 - 3 | 0 - 18 | 0 - 0 | 0 - 5 | 0 - 1 | 2 - 3 | | 1 | -28 | 7 |

*Tie Breaker Rule 3: [ITA,EMP] => H2H (0-0) => GD(ITA:-6,EMP:-9) => ITA > EMP

| Group F | YuShan2023 | Oxsy | Damavand | FRA-UNited | Robo2D | The8 | R3CESBU | Points | TGD | Rank |
|------------|------------|-------|----------|------------|--------|-------|---------|--------|-----|------|
| YuShan2023 | | 1 - 2 | 5 - 0 | 0 - 0 | 6 - 0 | 4 - 1 | 2 - 0 | 13 | +15 | 1 |
| Oxsy | 2 - 1 | | 1 - 2 | 1 - 1 | 0 - 2 | 2 - 1 | 6 - 0 | 10* | +5 | 2 |

| | | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---|
| Damavand | 0 - 5 | 2 - 1 | | 0 - 1 | 2 - 0 | 0 - 1 | 5 - 0 | 9 | +1 | 5 |
| FRA-UNlited | 0 - 0 | 1 - 1 | 1 - 0 | | 0 - 0 | 0 - 0 | 1 - 0 | 10* | +2 | 4 |
| Robo2D | 0 - 6 | 2 - 0 | 0 - 2 | 0 - 0 | | 1 - 6 | 1 - 1 | 5 | -11 | 6 |
| The8 | 1 - 4 | 1 - 2 | 1 - 0 | 0 - 0 | 6 - 1 | | 3 - 0 | 10* | +5 | 3 |
| R3CESBU | 0 - 2 | 0 - 6 | 0 - 5 | 0 - 1 | 1 - 1 | 0 - 3 | | 1 | -17 | 7 |

*Tie Breaker Rule 3: [OXY,T8,FRA] => 3 Games only => H2H [FvsO (1-1) | FvsT (0-0) | OvsT (2-1)] => GD [F:+2,T:+5,O:+5] => **(O-T) > F** => Tie Breaker Rule 2 H2H [OvsT (2-1)] => **O > T > F**

Call for Technical Committee Members

Introduction

We call for two new members of the technical committee who contribute to the league by discussing and establishing the league's rules. The task of the technical committee is to discuss the league's rules considering the league roadmap. If the proposed rules require the new code of the soccer server, they may need to provide an implementation.

The term of the technical committee member is one year. Reappointment is allowed after another procedure of the election.

Schedule

| | |
|--------------------|--------------------------|
| 16:00 (CET) | Nomination of TC members |
| 18:00 (CET) | TC election |

Election Procedure

- Candidates should not necessarily be a team member of this year's competition. However, the candidates should show their knowledge on the league during the speech just before the election.
- [Election] During the election at the team leaders' meeting on Discord room#1 and in the venue [**17:00 CET 15:00 UTC**]:
 - Each candidate is given about 5 minutes for speech. In the speech it is expected that the candidate introduces her/himself and explains what can be done if elected.
 - After the speech from all candidates, each team votes for two (subject to change) candidates. Note that each team has the right to vote, not each person.
 - Two candidates who obtained the most votes are elected as the next technical committee members.

Call for Organizing Committee Members

We are also calling for the organizing committee members for next year's competition in [**TBD**] in 2024. Please let the current organizing committee members and/or the executive committee members know your intention to serve as an organizing committee member.

Current organizing committee members: Hidehisa Akiyama, Omid Amini
Executive committee members: Tomoharu Nakashima, Sebastian Marain

There will not be an election process for determining the organizing committee members. The executive committee members will appoint the next organizing committee members

after careful discussion with the other committee members (i.e., technical and current organizing committee members).

7, JULY, 2023

- **Binary upload deadline: 09:00 am(CET) 07:00(UTC)**
 - (The organizers will conduct the final check of team binaries)
- **The first game starts not before 09:30 am(CET) 07:30(UTC)**

Live Streaming:  RoboCup2023 Soccer Simulation 2D - (Day2) Second & Third Round
<https://www.youtube.com/watch?v=cXZaK0W24Ig>

Log files:

Second Round:

https://drive.google.com/file/d/1919c43e19i5bqnltZa11DLfvn2USId7f/view?usp=drive_link

- **~ 17:00 pm(CET) / 15:00 (UTC)** Roadmap discussion
 - Meeting will be held at:
 - [TBD] - meeting room - in person
 - Discord Room #1 - online
 - Please submit your ideas here before the meeting for scheduling the time:
<https://forms.gle/PbYAAdDEJc1ABt5f9>

| G# | Server 1 | Server 2 | Server 3 |
|----|-------------------------|-------------------------|----------------------|
| 1 | G hermes2d helios2023 | G robocin robo2d | H r3cesbu emperor |
| 2 | G fra-united hermes2d | H emperor the8 | H cyrus hades2d |
| 3 | G robo2d fra-united | G itandroids helios2023 | H damavand r3cesbu |
| 4 | G itandroids robo2d | H hades2d emperor | H r3cesbu the8 |
| 5 | G oxsy itandroids | G oxsy hermes2d | H yushan2023 the8 |
| 6 | G oxsy robo2d | H r3cesbu hades2d | H damavand hades2d |
| 7 | G fra-united helios2023 | G robocin fra-united | H yushan2023 r3cesbu |
| 8 | G robo2d hermes2d | H yushan2023 damavand | H damavand emperor |
| 9 | G itandroids fra-united | G oxsy helios2023 | H cyrus emperor |
| 10 | G robocin itandroids | H hades2d the8 | H damavand the8 |
| 11 | G robocin oxsy | G robocin hermes2d | H yushan2023 hades2d |
| 12 | G robo2d helios2023 | H cyrus r3cesbu | H cyrus the8 |
| 13 | G itandroids hermes2d | G robocin helios2023 | H yushan2023 emperor |

| | | | |
|----|-------------------|------------------|--------------------|
| 14 | G oxsy fra-united | H damavand cyrus | H yushan2023 cyrus |
|----|-------------------|------------------|--------------------|

Second rounds (Groups G,H)

| Group G | HELIOS2023 | Oxsy | RoboCln | FRA-UNlited | ITAndroids | Robo2D | Hermes2D | Points | TGD | Rank |
|-------------|------------|-------|---------|-------------|------------|--------|----------|--------|-----|------|
| HELIOS2023 | | 7 - 1 | 4 - 0 | 5 - 0 | 3 - 0 | 10 - 0 | 11 - 0 | 18 | +39 | 1 |
| Oxsy | 1 - 7 | | 5 - 0 | 2 - 1 | 0 - 1 | 3 - 1 | 8 - 2 | 12 | +7 | 2 |
| RoboCln | 0 - 4 | 0 - 5 | | 0 - 1 | 1 - 1 | 8 - 0 | 11 - 0 | 7* | +9 | 4 |
| FRA-UNlited | 0 - 5 | 1 - 2 | 1 - 0 | | 1 - 0 | 0 - 1 | 5 - 0 | 9 | +0 | 3 |
| ITAndroids | 0 - 3 | 1 - 0 | 1 - 1 | 0 - 1 | | 1 - 2 | 2 - 0 | 7* | -2 | 5 |
| Robo2D | 0 - 10 | 1 - 3 | 0 - 8 | 1 - 0 | 2 - 1 | | 0 - 1 | 6 | -19 | 6 |
| Hermes2D | 0 - 11 | 2 - 8 | 0 - 11 | 0 - 5 | 0 - 2 | 1 - 0 | | 3 | -34 | 7 |

* Tie Breaker Rule 3: [ITA,RCN] => H2H (1-1) => GD(ITA:-2,RCN:+9) => ITA > RCN

| Group H | YuShan2023 | CYRUS | The8 | Hades2D | Damavand | EMPEROR | R3CESBU | Points | TGD | Rank |
|------------|------------|-------|-------|---------|----------|---------|---------|--------|-----|------|
| YuShan2023 | | 1 - 2 | 2 - 0 | 9 - 0 | 4 - 1 | 2 - 1 | 2 - 0 | 15 | +16 | 2 |
| CYRUS | 2 - 1 | | 4 - 0 | 4 - 0 | 4 - 0 | 1 - 0 | 4 - 0 | 18 | +18 | 1 |
| The8 | 0 - 2 | 0 - 4 | | 2 - 0 | 2 - 0 | 0 - 1 | 3 - 2 | 9 | -2 | 4 |
| Hades2D | 0 - 9 | 0 - 4 | 0 - 2 | | 1 - 0 | 0 - 2 | 2 - 2 | 4* | -16 | 6 |
| Damavand | 1 - 4 | 0 - 4 | 0 - 2 | 0 - 1 | | 1 - 1 | 1 - 2 | 1 | -11 | 7 |
| EMPEROR | 1 - 2 | 0 - 1 | 1 - 0 | 2 - 0 | 1 - 1 | | 1 - 0 | 10 | +2 | 3 |
| R3CESBU | 0 - 2 | 0 - 4 | 2 - 3 | 2 - 2 | 2 - 1 | 0 - 1 | | 4* | -7 | 5 |

* Tie Breaker Rule 3: [H2D,R3C] => H2H (2-2) => GD(H2D:-16,R3C:-7) => R3C>

H2D

| G# | Server 1 | Server 2 | Server 3 |
|----|----------------------|-----------------------|--------------------|
| 1 | I hades2d the8 | I yushan2023 hermes2d | J damavand r3cesbu |
| 2 | I helios2023 hades2d | J r3cesbu emperor | J robo2d cyrus |

| | | | |
|----|-------------------------|-------------------------|--------------------|
| 3 | I hermes2d helios2023 | I fra-united the8 | J oxsy damavand |
| 4 | I fra-united hermes2d | J cyrus r3cesbu | J robocin robo2d |
| 5 | I itandroids fra-united | I itandroids hades2d | J damavand emperor |
| 6 | I yushan2023 itandroids | J damavand cyrus | J robo2d r3cesbu |
| 7 | I helios2023 the8 | I yushan2023 helios2023 | J oxsy cyrus |
| 8 | I hermes2d hades2d | J robo2d damavand | J robocin damavand |
| 9 | I fra-united helios2023 | I itandroids the8 | J robo2d emperor |
| 10 | I itandroids hermes2d | J oxsy robo2d | J oxsy r3cesbu |
| 11 | I yushan2023 fra-united | I yushan2023 hades2d | J robocin cyrus |
| 12 | I hermes2d the8 | J robocin oxsy | J oxsy emperor |
| 13 | I fra-united hades2d | I yushan2023 the8 | J robocin r3cesbu |
| 14 | I itandroids helios2023 | J cyrus emperor | J robocin emperor |

Third rounds (Groups I,J)

| Group I | HELIOS2023 | YuShan2023 | FRA-UNltd | The8 | ITAndroids | Hades2D | Hermes2D | Points | TGD | Rank |
|------------|------------|------------|-----------|-------|------------|---------|----------|--------|-----|------|
| HELIOS2023 | | 1 - 0 | 3 - 0 | 4 - 0 | 2 - 0 | 14 - 0 | 11 - 0 | 18 | +35 | 1 |
| YuShan2023 | 0 - 1 | | 1 - 1 | 6 - 1 | 2 - 0 | 4 - 0 | 5 - 1 | 13* | +14 | 2 |
| FRA-UNltd | 0 - 3 | 1 - 1 | | 1 - 0 | 1 - 0 | 3 - 0 | 4 - 0 | 13* | +6 | 3 |
| The8 | 0 - 4 | 1 - 6 | 0 - 1 | | 0 - 1 | 1 - 0 | 1 - 0 | 6 | -9 | 5 |
| ITAndroids | 0 - 2 | 0 - 2 | 0 - 1 | 1 - 0 | | 2 - 1 | 0 - 0 | 7 | -3 | 4 |
| Hades2D | 0 - 14 | 0 - 4 | 0 - 3 | 0 - 1 | 1 - 2 | | 2 - 5 | 0 | -26 | 7 |
| Hermes2D | 0 - 11 | 1 - 5 | 0 - 4 | 0 - 1 | 0 - 0 | 5 - 2 | | 4 | -17 | 6 |

* Tie Breaker Rule 3: [YSH,FRA] => H2H (1-1) => GD(YSH:+14,FRA:+6) => ITA >
RCN

| Group J | CYRUS | Oxsy | EMPEROR | RoboCln | R3CESBU | Robo2D | Damavand | Points | TGD | Rank |
|---------|-------|-------|---------|---------|---------|--------|----------|--------|-----|------|
| CYRUS | | 4 - 1 | 2 - 1 | 2 - 1 | 7 - 0 | 3 - 1 | 3 - 0 | 18 | +17 | 1 |
| Oxsy | 1 - 4 | | 0 - 1 | 2 - 2 | 6 - 0 | 2 - 2 | 2 - 1 | 8 | +3 | 4 |

| | | | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|----|-----|---|
| EMPEROR | 1 - 2 | 1 - 0 | | 2 - 0 | 2 - 0 | 1 - 1 | 1 - 0 | 13 | +5 | 2 |
| RoboCIn | 1 - 2 | 2 - 2 | 0 - 2 | | 3 - 0 | 3 - 0 | 2 - 0 | 10 | +5 | 3 |
| R3CESBU | 0 - 7 | 0 - 6 | 0 - 2 | 0 - 3 | | 0 - 1 | 0 - 0 | 1 | -19 | 7 |
| Robo2D | 1 - 3 | 2 - 2 | 1 - 1 | 0 - 3 | 1 - 0 | | 0 - 2 | 5 | -6 | 5 |
| Damavand | 0 - 3 | 1 - 2 | 0 - 1 | 0 - 2 | 0 - 0 | 2 - 0 | | 4 | -5 | 6 |

Accumulated points (First, Second, Third Rounds)

| RANK | Team Name | First | Second | Third | Total |
|------|------------|--------|--------|--------|-------|
| 1 | Helios2023 | 18 +40 | 18 +39 | 18 +35 | 54 |
| 2 | CYRUS | 15 +16 | 18 +18 | 18 +17 | 51 |
| 3 | Yushan2023 | 13 +15 | 15 +16 | 13 +14 | 41 |
| 4 | FRA-UNltd | 10 +02 | 09 +00 | 16 +06 | 32 |
| 5 | Oxsy | 10 +05 | 12 +07 | 08 +03 | 30 |
| 6 | EMPEROR | 05 -09 | 10 +02 | 13 +05 | 28 |
| 7 | Robocin | 10 +11 | 07 +09 | 10 +05 | 27 |
| 8 | The8 | 10 +05 | 09 -02 | 06 -09 | 25 |
| 9 | ITAndroids | 05 -06 | 07 -02 | 07 -03 | 19 |
| 10 | Robo2D | 05 -11 | 06 -19 | 05 -06 | 16 |
| 11 | Damavand | 09 +01 | 01 -11 | 04 -05 | 14 |
| 12 | Hades2D | 06 -24 | 04 -16 | 00 -26 | 10 |
| 13 | Hermes2D | 01 -28 | 03 -34 | 04 -17 | 8 |
| 14 | R3CESBU | 01 -17 | 04 -07 | 01 -19 | 6 |

8, JULY, 2023

- **Binary upload deadline: 09:30 am(CET) 07:30(UTC)**
 - (The organizers will conduct the final check of team binaries)
- **The first game starts not before 09:45 am(CET) 07:45(UTC)**
 - Live streaming:
 ► **RoboCup2023 Soccer Simulation 2D - (Day3) Main Rounds (Home & A...**
<https://www.youtube.com/watch?v=el57Hfkqgx0>
- Log files:
 - **Home:**
<https://drive.google.com/file/d/1MR5ANI1BhZ949CJ5ukHZcoQt9TLHCQGV/view>
 - **Away:**
https://drive.google.com/file/d/1YR8HjxGblYzHEF3qxDlIBTQEYPr1Vzdt/view?usp=drive_link

| Group K (8) | Group L (6) |
|-------------|-------------|
| Helios2023 | ITAndroids |
| CYRUS | Robo2D |
| Yushan2023 | Damavand |
| FRA-UNited | Hades2D |
| Oxsy | Hermes2D |
| EMPEROR | R3CESBU |
| Robocin | |
| The8 | |

| G# | Server 1 | Server 2 | Server 3 |
|----|-----------------------|--------------------|-------------------|
| 1 | fra-united emperor | cyrus emperor | hermes2d hades2d |
| 2 | helios2023 emperor | oxsy helios2023 | r3cesbu hermes2d |
| 3 | fra-united helios2023 | robocin fra-united | damavand r3cesbu |
| 4 | yushan2023 robocin | yushan2023 cyrus | robo2d damavand |
| 5 | oxsy cyrus | cyrus the8 | itandroids robo2d |
| 6 | robocin oxsy | oxsy emperor | r3cesbu hades2d |

| | | | |
|----|------------------|-----------------------|---------------------|
| 7 | helios2023 the8 | robocin helios2023 | damavand hermes2d |
| 8 | emperor the8 | yushan2023 fra-united | robo2d r3cesbu |
| 9 | cyrus fra-united | oxsy the8 | itandroids damavand |
| 10 | robocin cyrus | robocin emperor | damavand hades2d |
| 11 | oxsy fra-united | yushan2023 helios2023 | robo2d hermes2d |
| 12 | cyrus helios2023 | robocin the8 | itandroids r3cesbu |
| 13 | yushan2023 oxsy | yushan2023 emperor | robo2d hades2d |
| 14 | fra-united the8 | yushan2023 the8 | itandroids hermes2d |
| 15 | | | itandroids hades2d |

Main rounds (Groups K,L)

| K-Home | Helios2023 | CYRUS | Yushan2023 | FRA-UNlited | Oxsy | EMPEROR | RoboCln | The8 | Points | RGD |
|-------------|------------|-------|------------|-------------|-------|---------|---------|-------|--------|-----|
| Helios2023 | | 2 - 1 | 3 - 0 | 2 - 0 | 5 - 1 | 4 - 0 | 5 - 1 | 3 - 0 | 21 | +21 |
| CYRUS | 1 - 2 | | 2 - 1 | 1 - 2 | 4 - 1 | 1 - 0 | 1 - 1 | 5 - 0 | 13 | +8 |
| Yushan2023 | 0 - 3 | 1 - 2 | | 1 - 1 | 2 - 2 | 5 - 0 | 5 - 2 | 2 - 0 | 11 | +6 |
| FRA-UNlited | 0 - 2 | 2 - 1 | 1 - 1 | | 0 - 2 | 2 - 0 | 0 - 0 | 0 - 0 | 9 | -1 |
| Oxsy | 1 - 5 | 1 - 4 | 2 - 2 | 2 - 0 | | 2 - 1 | 3 - 5 | 1 - 0 | 10 | -5 |
| EMPEROR | 0 - 4 | 0 - 1 | 0 - 5 | 0 - 2 | 1 - 2 | | 0 - 2 | 1 - 2 | 0 | -16 |
| RoboCln | 1 - 5 | 1 - 1 | 2 - 5 | 0 - 0 | 5 - 3 | 2 - 0 | | 3 - 2 | 11 | -2 |
| The8 | 0 - 3 | 0 - 5 | 0 - 2 | 0 - 0 | 0 - 1 | 2 - 1 | 2 - 3 | | 4 | -11 |

| K-Away | Helios2023 | CYRUS | Yushan2023 | FRA-UNlited | Oxsy | EMPEROR | RoboCln | The8 | Points | RGD |
|-------------|------------|-------|------------|-------------|-------|---------|---------|-------|--------|-----|
| Helios2023 | | 4 - 0 | 3 - 1 | 4 - 0 | 2 - 1 | 1 - 0 | 10 - 0 | 3 - 0 | 21 | +25 |
| CYRUS | 0 - 4 | | 3 - 1 | 2 - 4 | 1 - 0 | 1 - 0 | 4 - 0 | 3 - 0 | 15 | +5 |
| Yushan2023 | 1 - 3 | 1 - 3 | | 3 - 0 | 1 - 0 | 4 - 0 | 1 - 2 | 0 - 0 | 10 | 3 |
| FRA-UNlited | 0 - 4 | 4 - 2 | 0 - 3 | | 0 - 4 | 2 - 0 | 1 - 1 | 2 - 1 | 10 | -6 |

| | | | | | | | | | | |
|---------|--------|-------|-------|-------|-------|-------|-------|-------|----|-----|
| Oxsy | 1 - 2 | 0 - 1 | 0 - 1 | 4 - 0 | | 3 - 1 | 2 - 1 | 4 - 2 | 12 | +6 |
| EMPEROR | 0 - 1 | 0 - 1 | 0 - 4 | 0 - 2 | 1 - 3 | | 0 - 2 | 0 - 2 | 0 | -14 |
| RoboCln | 0 - 10 | 0 - 4 | 2 - 1 | 1 - 1 | 1 - 2 | 2 - 0 | | 1 - 0 | 10 | -11 |
| The8 | 0 - 3 | 0 - 3 | 0 - 0 | 1 - 2 | 2 - 4 | 2 - 0 | 0 - 1 | | 4 | -8 |

| L-Home | ITAndroids | Robo2D | Damavand | Hades2D | Hermes2D | R3CESBU | Points | RGD |
|------------|------------|--------|----------|---------|----------|---------|--------|-----|
| ITAndroids | | 1 - 1 | 0 - 1 | 3 - 1 | 3 - 1 | 0 - 1 | 7 | +2 |
| Robo2D | 1 - 1 | | 1 - 2 | 1 - 1 | 1 - 2 | 0 - 0 | 3 | -2 |
| Damavand | 1 - 0 | 2 - 1 | | 2 - 1 | 4 - 0 | 1 - 0 | 15 | +8 |
| Hades2D | 1 - 3 | 1 - 1 | 1 - 2 | | 1 - 2 | 4 - 2 | 4 | -2 |
| Hermes2D | 1 - 3 | 2 - 1 | 0 - 4 | 2 - 1 | | 2 - 6 | 6 | -8 |
| R3CESBU | 1 - 0 | 0 - 0 | 0 - 1 | 2 - 4 | 6 - 2 | | 7 | +2 |

| L-Away | ITAndroids | Robo2D | Damavand | Hades2D | Hermes2D | R3CESBU | Points | RGD |
|------------|------------|--------|----------|---------|----------|---------|--------|-----|
| ITAndroids | | 0 - 0 | 0 - 2 | 2 - 1 | 0 - 0 | 2 - 1 | 8 | 0 |
| Robo2D | 0 - 0 | | 0 - 1 | 4 - 1 | 2 - 0 | 1 - 0 | 10 | +5 |
| Damavand | 2 - 0 | 1 - 0 | | 2 - 0 | 2 - 0 | 3 - 0 | 15 | +10 |
| Hades2D | 1 - 2 | 1 - 4 | 0 - 2 | | 3 - 2 | 3 - 2 | 6 | -4 |
| Hermes2D | 0 - 0 | 0 - 2 | 0 - 2 | 2 - 3 | | 8 - 2 | 4 | +1 |
| R3CESBU | 1 - 2 | 0 - 1 | 0 - 3 | 2 - 3 | 2 - 8 | | 0 | -12 |

Main Round (Groups K, L)

| Main RANK | Rank Group K | Team Name | Home Points | Away Points | Total Points |
|-----------|--------------|------------|-------------|-------------|--------------|
| 1 | 1 | Helios2023 | 21 | 21 | 42 |
| 2 | 2 | CYRUS | 13 | 15 | 28 |

| | | | | | |
|-----------|---|-------------|----|----|-----|
| 3 | 3 | Oxsy | 10 | 12 | 22 |
| 4 | 4 | Yushan2023 | 11 | 10 | 21* |
| 5 | 5 | RoboCIn | 11 | 10 | 21* |
| 6 | 6 | FRA-UNlited | 9 | 10 | 19 |
| 7 | 7 | The8 | 4 | 4 | 8 |
| 8 | 8 | EMPEROR | 0 | 0 | 0 |
| Group L | | | | | |
| 9 | 1 | Damavand | 15 | 15 | 30 |
| 10 | 2 | ITAndroids | 8 | 7 | 15 |
| 11 | 3 | Robo2D | 3 | 10 | 13 |
| 12 | 4 | Hades2D | 6 | 4 | 10† |
| 13 | 5 | Hermes2D | 4 | 6 | 10† |
| 14 | 6 | R3CESBU | 7 | 0 | 7 |

* Tie Breaker Rule 2: [YSH,RCN] => H2H (YSH 5-2 | 1-2 RCN) => YSH **6-3** RCN => **YSH** > RCN

† Tie Breaker Rule 3: [HDS,HMS] => H2H (HDS 3-2 | 1-2 HMS) => 4-4 => TGD(HDS:-6,HMS:-7) => **HDS** > HMS

9, JULY, 2023

- **Binary upload deadline: 08:15 am (CET) 06:15 (UTC)**
 - (The organizers will conduct the final check of team binaries)
- **The first game starts not before 08:20 am(CET) 06:20 (UTC)**
 - Live streaming:  [RoboCup2023 Soccer Simulation 2D - \(Day4\) Finals](https://www.youtube.com/watch?v=JzmgjclW0Ew)
<https://www.youtube.com/watch?v=JzmgjclW0Ew>
- **12:00 CET (10:00 UTC)** Semi-Final / Finals
- Log files:
https://drive.google.com/file/d/1LGBkfLjcHzdyX4yei0yIXmS1_-UNV-B1/view?usp=drive_link

Final Round

| Rank | Defender | Home | Total / TieBreaker | Away | Challenger |
|------------|------------|-------|--------------------|-------|------------|
| 13th | Hermes2D | 3 - 3 | 5 - 9 | 2 - 6 | R3CESBU |
| 12th | Hades2D | 2 - 2 | 4 - 5 | 2 - 3 | R3CESBU |
| 11th | Robo2D | 2 - 0 | 5 - 1 | 3 - 1 | R3CESBU |
| 10th | ITAndroids | 2 - 0 | 2 - 0 | 0 - 0 | Robo2D |
| 9th | Damavand | 0 - 0 | 2 - 0 | 2 - 0 | ITAndroids |
| 8th | EMPEROR | 0 - 1 | 0 - 1 | 0 - 0 | Damavand |
| 7th | The8 | 0 - 3 | 0 - 4 | 0 - 1 | Damavand |
| 6th | FRA-UNIted | 1 - 0 | 4 - 0 | 3 - 0 | Damavand |
| 5th | RoboCIn | 0 - 2 | 0 - 5 | 0 - 3 | FRA-UNIted |
| 4th | Yushan2023 | 2 - 0 | 3 - 1 | 1 - 0 | FRA-UNIted |
| 3rd | Oxsy | 1 - 3 | 3 - 5 | 2 - 2 | Yushan2023 |
| Semi Final | CYRUS | 3 - 0 | 6 - 0 | 3 - 0 | Yushan2023 |
| Final | Helios2023 | 1 - 0 | | | CYRUS |

Final Standings

| World Champion | Helios2023 |
|-----------------------|-------------------|
| Runner-up | CYRUS |
| 3 | Yushan2023 |
| 4 | Oxsy |
| 5 | FRA-UNIted |
| 6 | RoboCIn |
| 7 | Damavand |
| 8 | The8 |
| 9 | EMPEROR |
| 10 | ITAndroids |
| 11 | Robo2D |
| 12 | R3CESBU |
| 13 | Hades2D |
| 14 | Hermes2D |

Cooperative Challenge

9, JULY, 2023

The first game will start after the starter challenge away-rounds finishes.

YouTube:

RoboCup2023 Soccer Simulation 2D - (Day4) Coop Challenge
<https://youtu.be/fU78DtSxxwk>

Participating Teams:

- CYRUS
- Hades2D
- **HELIOS2023 (TeamName)**
- Hermes2D
- ITAndroids
- Oxsy
- R3CESBU
- RoboCIn
- The8
- YuShan2023

$M = C(10,2) * 2 * C(8,2) * 2 / 4 = 2520 \Rightarrow$ Randomized Controlled Match Selection => each team play 60 matches

$M = C(9,2) * 2 * C(7,2) = 1512 \Rightarrow$ Randomized Controlled Match Selection => each team plays 20 matches => 45 in total

Round 1

Games:

| G# | Server 1 | Server 2 | Server 3 |
|----|--|---|--|
| 1 | yushan2023_hades2d 0 - 0 the8_itandroids | r3cesbu_yushan2023 0 - 0 oxsy_hades2d | itandroids_hermes2d 18 - 0 hades2d_r3cesbu |
| 2 | yushan2023_oxsy 6 - 0 cyrus_hermes2d | r3cesbu_yushan2023 7 - 5 itandroids_cyrus | r3cesbu_hermes2d 2 - 0 cyrus_hades2d |
| 3 | yushan2023_robocin 3 - 1 hermes2d_cyrus | yushan2023_hermes2d 8 - 0 hades2d_robocin | oxsy_hades2d 4 - 1 cyrus_hermes2d |
| 4 | yushan2023_cyrus 2 - 3 itandroids_oxsy | yushan2023_itandroids 1 - 0 hades2d_the8 | hermes2d_robocin 2 - 3 cyrus_the8 |

| | | | |
|----|---|--|---|
| 5 | yushan2023_cyrus 0 - 0 oxsy_r3cesbu | the8_yushan2023 8 - 0 hermes2d_oxsy | robocin_r3cesbu 0 - 0 cyrus_the8 |
| 6 | itandroids_robocin 2 - 4 cyrus_yushan2023 | robocin_the8 4 - 0 r3cesbu_hades2d | the8_r3cesbu 1 - 1 robocin_itandroids |
| 7 | oxsy_robocin 2 - 3 itandroids_yushan2023 | hermes2d_hades2d 1 - 0 cyrus_the8 | r3cesbu_the8 0 - 0 oxsy_itandroids |
| 8 | itandroids_yushan2023 16 - 2 hermes2d_robocin | r3cesbu_the8 1 - 0 oxsy_hades2d | robocin_the8 0 - 3 r3cesbu_cyrus |
| 9 | yushan2023_hermes2d 2 - 1 r3cesbu_the8 | the8_oxsy 3 - 1 hades2d_itandroids | the8_cyrus 1 - 6 itandroids_hermes2d |
| 10 | yushan2023_cyrus 0 - 0 the8_r3cesbu | the8_itandroids 1 - 0 cyrus_hades2d | the8_robocin 2 - 5 hermes2d_oxsy |
| 11 | oxsy_yushan2023 3 - 2 hades2d_itandroids | hermes2d_cyrus 0 - 10 hades2d_the8 | Robocin_oxsy 6 - 1 hermes2d_the8 |
| 12 | r3cesbu_yushan2023 1 - 2 oxsy_robocin | robocin_hades2d 1 - 0 oxsy_itandroids | robocin_r3cesbu 0 - 0 itandroids_hermes2d |
| 13 | yushan2023_hermes2d 3 - 6 hades2d_oxsy | hades2d_robocin 2 - 2 cyrus_hermes2d | r3cesbu_hermes2d 1 - 1 itandroids_robocin |
| 14 | yushan2023_cyrus 1 - 0 oxsy_hades2d | r3cesbu_itandroids 3 - 2 hades2d_robocin | r3cesbu_cyrus 5 - 0 itandroids_oxsy |
| 15 | yushan2023_robocin 7 - 1 the8_cyrus | r3cesbu_hades2d 0 - 0 oxsy_itandroids | robocin_r3cesbu 1 - 0 oxsy_hermes2d |

| Team | Points | Games | Average Points | Rank |
|-------------------|--------|-------|----------------|------|
| Yushan2023 | 43 | 20 | 2.15 | 1 |
| Oxsy | 31 | 20 | 1.55 | 2 |
| ITAndroids | 30 | 20 | 1.50* | 3 |
| R3CESBU | 30 | 20 | 1.50* | 3 |
| The8 | 26 | 20 | 1.30† | 5 |
| RoboCIn | 26 | 20 | 1.30† | 5 |
| Hermes2D | 24 | 20 | 1.20 | 7 |
| Hades2D | 19 | 20 | 0.95‡ | 8 |
| CYRUS | 19 | 20 | 0.95‡ | 8 |

Tie Breakers — N/A

Round 2

Games:

| G# | Server 1 | Server 2 | Server 3 |
|----|----------|----------|----------|
| | | | |

| | | | |
|---|---|--|--|
| 1 | yushan2023_oxsy 8 - 0 r3cesbu_itandroids | yushan2023_itandroids 0 - 0 oxsy_r3cesbu | oxsy_r3cesbu 0 - 0 itandroids_yushan2023 |
| 2 | yushan2023_oxsy 7 - 0 itandroids_r3cesbu | yushan2023_itandroids 1 - 3 r3cesbu_oxsy | oxsy_itandroids 1 - 2 r3cesbu_yushan2023 |
| 3 | yushan2023_r3cesbu 2 - 0 oxsy_itandroids | oxsy_yushan2023 12 - 2 r3cesbu_itandroids | r3cesbu_yushan2023 2 - 10 itandroids_oxsy |
| 4 | yushan2023_r3cesbu 1 - 4 itandroids_oxsy | oxsy_yushan2023 10 - 0 itandroids_r3cesbu | r3cesbu_oxsy 2 - 6 itandroids_yushan2023 |

| Team | Points | Rank |
|-------------------|-----------------|----------|
| Oxsy | 23* | 1 |
| Yushan2023 | 23* | 2 |
| ITAndroids | 11 [†] | 3 |
| R3CESBU | 11 [†] | 4 |

*Tie Breaker GS: **Y:** $+2+1+1+2+2+6 = 14$
O: $+0+4+3+1+10+2 = 20$

†Tie Breaker GS: **I:** $+2+1+1+1+10+6 = 21$
R: $+0+4+3+2+2+2 = 13$

Starter-Challenge

Participating Teams:

- Damavand
- EMPEROR
- Hades2D
- Hermes2D
- Robo2D

7, JULY, 2023

- **Binary upload deadline: 09:00 am(CET) 07:00 am(UTC)**
 - (The organizers will conduct the final check of team binaries)
- **The first game starts not before the end of July 7th main league matches!**

| G# | Server 1 | Server 2 | Server 3 |
|----|-------------------|------------------|------------------|
| 1 | hades2d emperor | hermes2d emperor | damavand emperor |
| 2 | hermes2d hades2d | damavand hades2d | robo2d hades2d |
| 3 | damavand hermes2d | robo2d hermes2d | robo2d emperor |
| 4 | robo2d damavand | | |

Starter Home Round:

| Group A | Damavand | EMPEROR | Hades2D | Hermes2D | Robo2D | Points | TGD |
|----------|----------|---------|---------|----------|--------|--------|-----|
| Damavand | | 3 - 2 | 1 - 2 | 0 - 1 | 3 - 2 | 6 | 0 |
| EMPEROR | 2 - 3 | | 6 - 1 | 1 - 3 | 2 - 2 | 4 | 2 |
| Hades2D | 2 - 1 | 1 - 6 | | 7 - 3 | 5 - 0 | 9 | 5 |
| Hermes2D | 1 - 0 | 3 - 1 | 3 - 7 | | 4 - 4 | 7 | -1 |
| Robo2D | 2 - 3 | 2 - 2 | 0 - 5 | 4 - 4 | | 2 | -6 |

8, JULY, 2023

- **Binary upload deadline: 09:00 am(CET) 07:00 am(UTC)**
 - (The organizers will conduct the final check of team binaries)
- **The first game starts not before the end of July 8th main league matches!**

Starter Away Round:

| Group B | Damavand | EMPEROR | Hades2D | Hermes2D | Robo2D | Points | TGD |
|----------|----------|---------|---------|----------|--------|--------|-----|
| Damavand | | 0 - 0 | 1 - 0 | 0 - 1 | 2 - 0 | 7 | 3 |
| EMPEROR | 0 - 0 | | 5 - 1 | 6 - 1 | 2 - 1 | 10 | 10 |
| Hades2D | 0 - 1 | 1 - 5 | | 5 - 6 | 4 - 1 | 3 | -3 |
| Hermes2D | 1 - 0 | 1 - 6 | 6 - 5 | | 6 - 3 | 9 | -2 |
| Robo2D | 0 - 2 | 1 - 2 | 1 - 4 | 3 - 6 | | 0 | -9 |

Accumulated points (First, Second, Third Rounds)

| RANK | Team Name | Home | Away | Total Points |
|------|-----------|------|------|--------------|
| 1 | Hermes2D | 7 | 9 | 16 |
| 2 | EMPEROR | 4 | 10 | 14 |
| 3 | Damavand | 6 | 7 | 13 |
| 4 | Hades2D | 9 | 3 | 12 |
| 5 | Robo2D | 2 | 0 | 2 |

9, JULY, 2023

- (The organizers will conduct the final check of team binaries)

Final Round

| Rank | Defender | Home | Total / TieBreaker | Away | Challenger |
|---------------|----------|---------------|--------------------|---------------|------------|
| 4th | Hades2D | 9 - 2 | 12 - 4 | 3 - 2 | Robo2D |
| 3rd | Damavand | 2 - 0 | 5 - 1 | 3 - 1 | Hades2D |
| Semi Final ** | EMPEROR | 0 - 0* | 1 - 0** | 0 - 0* | Damavand |
| Final | Hermes2D | 1 - 5 | | | EMPEROR |

******By mistake, we ran the semifinal match in extra-time mode.
(Third Game replaces the extra time in Home/Away matches |
*results revert to 6000 cycle | games weren't killed to save the
log files)

| | |
|----------|-----------------|
| 1 | EMPEROR |
| 2 | Hermes2D |
| 3 | Damavand |
| 4 | Hades2D |
| 5 | Robo2D |

Group photo

After the final match (which will start after Final), please come to the soccer simulation 2D league area and discord room #1 and gather in front of the screen for the group photo!

If you have any additional photos pls send it in discord or email it to us (omidamini360+rc23pic@gmail.com) to put it here.



