CAMBADA MSL team

Contributions to the RoboCup Community

Middle-Size league:

- **"RoboC0p" Network Monitoring**
  - CAMBADA team developed and made publicly available a tool to monitor the network in RoboCup competition environments. This tool has been successfully used during RoboCup2018 MSL tournament.
- **Source code release**
  - In June 2018 the team made a public source code release of the second version of the RTDB communication middleware.
  - In January 2015 the team made a public release of an important part of its source code, including the following tools and modules: "CAMBADA basestation", "CAMBADA simulator", "CAMBADA RTDB & comm" and "CAMBADA simple striker agent".
- **Referee Box application**
  - CAMBADA team is adapting the RefBox application to comply with the 2020 MSL Rules.
  - CAMBADA team developed and made publicly available a new version of the RefBox application (RefBox2015), with new functionalities, which became the official RefBox version for competitions.
- **RoboCup MSL Workshop**
  - The team hosted the 8th International RoboCup MSL Workshop, which was held in Aveiro on November 22nd, 23rh and 24th, 2018.
  - The team hosted the 5th International RoboCup MSL Workshop, which was held in Aveiro on November 23rd, 24th and 25th, 2015.
  - The team attended the 3rd, 4th, 6th, 7th, 8th and 9th International RoboCup MSL Workshop (2013, 2014, 2016, 2017, 2018 and 2019).
- **Board of trustees**
  - One team member was, in 2015-2016, member of the RoboCup board of trustees.
- **Executive Committee**
  - One team member is a RoboCup MSL Executive Committee member since 2019.
  - One team member was a RoboCup MSL Executive Committee member since 2016 until 2018.
  - One team member was a RoboCup MSL Executive Committee member since 2010 until 2015.

- **Technical Committee**
  - One team member is a RoboCup 2019 MSL Technical Committee member.
  - One team member was a RoboCup 2016 MSL Technical Committee member.
  - One team member was a RoboCup 2011 MSL Technical Committee member.
  - One team member was a RoboCup 2009 MSL Technical Committee member.
- **Organizing Committee**
  - One team member was the chair of the RoboCup 2016 MSL Organizing Committee.
  - One team member was the chair of the RoboCup 2015 MSL Organizing Committee.
  - One team member was the chair of the RoboCup 2014 MSL Organizing Committee.
  - One team member was the chair of the RoboCup 2013 MSL Organizing Committee.
  - One team member was the chair of the RoboCup 2012 MSL Organizing Committee.
  - One team member was a RoboCup 2011 MSL Organizing Committee member.
  - One team member was a RoboCup 2009 MSL Organizing Committee member.

Simulation 3D league:
- **Executive Committee**
  - One team member was a RoboCup Simulation 3D Executive Committee member 2013-2019.
- **Technical Committee**
  - One team member was a RoboCup 2013 Simulation 3D Technical Committee member.
  - One team member was a RoboCup 2007 Simulation 3D Technical Committee member.
- **Organizing Committee**
  - One team member is a RoboCup 2019 3D Organizing Committee member.
  - One team member was the chair of the RoboCup 2018 3D Organizing Committee.
  - One team member was a RoboCup 2012 Simulation 3D Organizing Committee member.

Software
  - Internal Collisions check module added to simspark and used in RoboCup 2019 competition
  - Goalie Challenge module used in RoboCup 2018 3D Technical Challenge

National contributions
- One team member is chair of the general assembly of the Portuguese Robotics Society (SPR) (2017-).
- One team member was the vice-president of the Portuguese Robotics Society (SPR) (2017-2019).
- One team member was the president of the Portuguese Robotics Society (SPR) (2015-2017).
- Three team members are members of the Organizing Committee of the Portuguese Robotics Open 2019.

- Three team members were members of the Organizing Committee of the Portuguese Robotics Open 2017 and 2018.
- Most of the team members were members of the Organizing Committee of the Portuguese Robotics Open 2002, 2008, 2014, 2015 and 2016.
- Three team members are members of the RoboCup Portuguese Committee.
- Some team members were co-founders of the Portuguese Robotics Society, in 2006, and were part of the board of directors for several years. The Portuguese Robotics Open is endorsed by the Portuguese Robotics Society.
- Three team members are members of the Technical and Scientific Committee of the Portuguese Robotics Open since 2002.

January 31st, 2020