

ROBOCUP 2005 TRAVEL SUPPORT FORM

Fill all the fields below and send the filled form to the Organizing Committee Chair of your league, together with the rest of qualification materials.

NOTE: if the Travel Support Form is not included as part of the qualification material, this will be understood as no financial support required. The submission of this form does not ensure the allocation of travel support to the team.

Team Name: FC Portugal
Affiliation: University of Aveiro / University of Porto
Team Leader: Nuno Lau
Team Leader e-mail: lau@det.ua.pt

Number of Faculty/Staff: 2
Number of Students: 2

Previous participations in RoboCup events and results obtained (specify year, event, classification in League and/or Symposium award):

Participation in Simulation Leagues:

EuroRoboCup 2000, Amsterdam, Simulation League, Champions
RoboCup 2000, Melbourne, Simulation League, Champions
German Open 2001, Paderborn, Simulation League, Champions
RoboCup 2001, Seattle, Simulation League, 3rd Place
RoboCup 2002, Fukuoka, Simulation League, 5th Place
RoboCup 2002, Fukuoka, Coach Competition League, Champions
RoboCup 2003, Padova, Simulation League, 5th Place
RoboCup 2003, Padova, Coach Competition, 2th Place
RoboCup 2004, Lisbon, Simulation League, 6th Place
RoboCup 2004, Lisbon, Coach Competition, 2th Place

(we also participate in Legged league - FC Portus, Small-Size and Middle-Size - 5DPO Team with very good results, for example German Open Champions in 2001 and 3rd in RoboCup 98 in small-size)

Detail any sponsorships you have for participating in RoboCup2005 (either institutional grants or company support):
We may pay faculty/staff costs using money from our departments.

Travel Costs

How much will you spend for travel tickets (roughly) ?: 550000
(Japanese Yen)
How much will you spend for accommodation (roughly) ?: 400000 (Japanese Yen)
How much will you spend to ship the robots/equipments to Japan (roughly) ?: 0 (Japanese Yen)
How much support does your team request? 100000 (Japanese Yen)

Justification:

Our team participates for a long time in RoboCup soccer simulation 2D, 3D, Coach Competitions and robotic leagues (legged, small-size and middle-size). FC Portugal always had very good competition results (winning several European and world awards). Japan is very expensive country for Portuguese people (accommodation costs will be very high). Japan is very far from Portugal (and thus travel costs are high). Although it is not difficult to get money for faculty/staff to go to Japan, it is very difficult to support our students.

Add any other information concerning your team/research group that you consider relevant:

Our team did not have any travel support in 2004 in any of the leagues. The justification was that we were from Portugal. However Porto and Aveiro are in other side of the country (from Lisbon), 300 Km apart. This way, in 2004, we had similar costs to all other teams (accommodation in Portugal during European Soccer Championship 2004 was quite expensive and most of the costs of all teams concerned accommodation).

Pointers to relevant publications FC Portugal Team:

You may find pointers to papers in our team's homepages:

<http://www.ieeta.pt/robocup/>
<http://www.fe.up.pt/~robosoc/>
<http://www.fe.up.pt/~lpreis/fcportugal/legged/>
<http://www.fe.up.pt/~lpreis/fcportugal/rescue/>

and in our laboratories homepages:

LIACC-NIADR: <http://www.fe.up.pt/~eol/>
IEETA: <http://www.ieeta.pt/>

Some papers related with RoboCup published by team members:

Luis Paulo Reis e Nuno Lau, FC Portugal Team Description: RoboCup 2000 Simulation League Champion, in Peter Stone, Tucker Balch and Gerhard Kraetzschmar, editors, RoboCup-2000: Robot Soccer World Cup IV, Springer Verlag Lecture Notes in Artificial Intelligence, Vol. 2103, pp.29-40, Berlin, 2001

Luis Paulo Reis, Nuno Lau and Eugenio C. Oliveira, Situation Based Strategic Positioning for Coordinating a Team of Homogeneous Agents in Markus Hannebauer, Jan Wendler and Enrico Pagello Editors, Balancing Reactivity and Social Deliberation in Multi-Agent System: From RoboCup to Real-World Applications, Springer's Lecture Notes in Artificial Intelligence, Vol. 2103, pp. 175-197, Berlin, 2001

Luis Paulo Reis and Eugenio Oliveira, A Language for Specifying Complete Timetabling Problems, in Edmund Burke and Wilhelm Erben editors, Practice and Theory of Automated Timetabling III, Third International Conference, PATAT 2000, Konstanz, Germany, August 2000, Selected Papers, Springer Verlag Lecture Notes in Computer Science, Vol. 2079, pp. 322-341, Berlin, 2001

Luis Paulo Reis and Nuno Lau, COACH UNILANG: A Standard Language for Coaching a (Robo) Soccer Team, in Andreas Birk, Silvia Coradeschi and Satoshi Tadokoro, editors, RoboCup-2001: Robot Soccer World Cup V,

Springer Verlag Lecture Notes in Artificial Intelligence, pp. 183-192, Berlin, 2002

Nuno Lau and Luis Paulo Reis, FC Portugal 2001 Team Description: Configurable Strategy and Flexible Teamwork, in Andreas Birk, Silvia Coradeschi and Satoshi Tadokoro, editors, RoboCup-2001: Robot Soccer World Cup V, Springer Verlag Lecture Notes in Artificial Intelligence, pp. 515-518, Berlin, 2002.

Luis Seabra Lopes, Nuno Lau e Luis Paulo Reis, D. Dinis: um Robo com Sentido de Orientacao, *Electronica e Telecomunicacoes*, 2 (6), Universidade de Aveiro, pp. 811-813, 1999.

Luis Paulo Reis, *Ciber-Feup - Ensino de Robotica e Inteligencia Artificial através da participacao em Competicoes Roboticas*, in *Electronica e Comunicacoes*, Vol.7 N.3, Universidade de Aveiro, September, 2002.

Luis Seabra Lopes, Nuno Lau e Luis Paulo Reis, Intelligent Control and Decision-Making demonstrated on a Simple Compass-Guided Robot, SMC2000 - Proc. of the 2000 IEEE International Conference on Systems, Man and Cybernetics, Nashville, Tennessee

Luis Paulo Reis e Nuno Lau, FC Portugal 2002 Team Description: Flexible Coordination Techniques Proc. 2002 Int. RoboCup Symposium, edited by Gal Kaminka, Pedro Lima e Raul Rojas, Fukuoka, Japan, June 24-25, 2002

Luis Paulo Reis e Nuno Lau, FC Portugal 2002 Coach: High-Level Coaching of RoboSoccer Games Proc. 2002 Int. RoboCup Symposium, edited by Gal Kaminka, Pedro Lima e Raul Rojas, Fukuoka, Japan, June 24-25, 2002

Sergio Louro, Luis Paulo Reis e Eugénio Oliveira, Virtual 3D: A Multi-Agent System for Visualizing RoboCup Simulation League Games with Intelligent Camera Control, Proc. 2002 Int. RoboCup Symposium, edited by Gal Kaminka, Pedro Lima e Raul Rojas, Fukuoka, Japan, June 24-25, 2002

Antonio Paulo Moreira, Paulo Costa, Armando Sousa e Luis Paulo Reis, 5dpo 2001 Team Description - Middle Size League, Proc. 2002 Int. RoboCup Symposium, edited by Gal Kaminka, Pedro Lima e Raul Rojas, Fukuoka, Japan, June 24-25, 2002

Hugo Marques, Nuno Lau and Luis Paulo Reis, FC Portugal 3D Simulation Team: Architecture, Low-Level Skills and Team Behaviour Optimized for the New RoboCup 3D Simulator, Reis, L.P. et al. editors, Proc. Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edicoes, Coleccao Colectâneas, Vol. 14, pp.31-37, ISBN 972-752-066-9, 23-24 April, 2004

Rui Andre Ferreira, Luis Paulo Reis and Nuno Lau, Situation Based Communication for Coordination of Agents, Reis, L.P. et al. editors, Proceedings of the Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edicoes, Coleccao Colectâneas, Vol. 14, pp.39-44, ISBN 972-752-066-9, 23-24 April, 2004

Sergio Louro, Luis Paulo Reis and Eugenio Oliveira, Virtual 3D: Sistema Multi-Agente de Visualizacoo com Controlo Inteligente de Camara, Reis,

L.P. et al. editors, Proceedings of the Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edicoes, Coleccao Colectaneas, Vol. 14, pp.45-51, ISBN 972-752-066-9, 23-24 April, 2004

Rui Sampaio, Luis Paulo Reis and Nuno Lau, O Agente Treinador e o Calculo de Estatisticas do Jogo no Futebol Robotico Simulado, Reis, L.P. et al. editors, Proc. Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edicoes, Coleccao Colectaneas, Vol. 14, pp.143-148, ISBN 972-752-066-9, 23-24 April, 2004

Cláudio Teixeira, Nuno Lau and Luis Paulo Reis, FC Portugal 2003 Shoot Evaluation Based on Goalie Movement Prediction, Reis, L.P. et al. editors, Proc. Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edições, Coleccao Colectaneas, Vol. 14, pp.149-155, ISBN 972-752-066-9, 23-24 April, 2004

Ricardo Afonso, Tiago Carvalho, Luis Paulo Reis and Eugenio Oliveira, Trigonometric World State Fusion, Reis, L.P. et al. editors, Proceedings of the Scientific Meeting of the Portuguese Robotics Open 2004, FEUP Edicoes, Coleccao Colectaneas, Vol. 14, pp.157-162, ISBN 972-752-066-9, 23-24 April, 2004

Papers not directly related with Robocup may be downloaded from our web sites.