

Sancho Moura Oliveira, Ph.D.

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General

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Bio

Sancho Moura Oliveira is an assistant professor and researcher at Lisbon University Institute (ISCTE-IUL) and Institute of Telecommunications. Since 2013 he is a member of the coordination board of Vitruvius FabLab - ISCTE-IUL. He has a PhD and Master in Physics from Universidade de Lisboa and he is graduated in Computer Engineering from Instituto Superior Técnico. Dr. Oliveira has been involved in several international research projects and has more than 13 years of experience in teaching in subjects like object-orientated programming, parallel and distributed programming, software for intelligent systems, computer architecture and physical computation. His main scientific research areas are complex distributed systems and evolutionary computation.

Education

- **PhD in Physics** Lisbon, Portugal
Universidade de Lisboa *Nov. 2008*
– Thesis: “*Electroweak Loop Corrections to High Energy Processes*”, area: High Energy Physics
- **Masters in Physics** Lisbon, Portugal
Universidade de Lisboa *Dez. 2001*
– Thesis: “*Electroweak corrections to the Top quark decay*”, area: High Energy Physics
- **Bachelor in Computer Science** Lisbon, Portugal
Instituto Superior Técnico *Sept. 1996*
– Thesis: “*Suporte para Aplicaes Cooperativas no DiSOM - Distributed Shared Object Memory*”, area: high distributed systems

Grants

- **PhD grant from Fundação para a Ciência e Tecnologia with reference SFRH/BD/6455/2001** Lisbon, Portugal
PhD student at Faculdade de Ciências - Universidade de Lisboa *Jan. 2002 - Dez. 2003*
- **Master grant from Fundação para a Ciência e Tecnologia with reference PRAXIS XXI/ BM/ 20736/ 99** Lisbon, Portugal
Master student at Faculdade de Ciências - Universidade de Lisboa *Sep. 2001 - Dez. 2002*

Affiliations

- **Vitruvius FabLab - ISCTE-IUL** Lisbon, Portugal
Member of the Coordination Board Jan. 2013 – Present
- **Instituto de Telecomunições** Lisbon, Portugal
Researcher Dec. 2010 – Present
- **Centro de Física Teórica e Computacional, Faculdade de Ciências da Universidade de Lisboa** Lisboa, Portugal
Doctoral researcher Jan. 2002 – Nov. 2008
 - Supervised by: Prof. Augusto Barroso
- **Centro de Física Nuclear, Faculdade de Ciências da Universidade de Lisboa** Lisboa, Portugal
Master Studies Sep. 1999 – Dez. 2001
 - Supervised by: Prof. Augusto Barroso

Positions held

- **Assistant Professor** Nov. 2008 – Present
DCTI, Lisbon University Institute Lisbon, Portugal
 - *Web:* <http://home.iscte-iul.pt>
 - *Research:* artificial intelligence, robotics, complex systems
 - *Teaching:* concurrent and distributed programming, object-oriented programming, computer architecture
 - *Management::* Director of the Bachelor in Informatics Engineering (Sep. 2010 - Sep. 2011)
- **Teaching Assistant** Fev. 2003 – Nov. 2008
DCTI, Lisbon University Institute Lisbon, Portugal
- **PhD student, FCT PhD Grant** Jun. 2000 – Jan. 2003
Faculdade de Ciências da Universidade de Lisboa Lisbon, Portugal
- **IT Director** Fev. 1997 – Jun. 2000
Cinemateca Portuguesa Lisbon, Portugal
 - *Web:* <http://www.cinemateca.pt>
 - *Responsibilities:* Planning, organizing, and execution of all IT functions. Software development, research, technical management

Teaching Experience

- TE30 **Object-Oriented Programming (POO)** Feb. 2013 – Jun. 2013
DCTI, Lisbon University Institute Lisbon, Portugal
Theoretical classes
- TE29 **Concurrent and Distributed Programming (PCD)** Sept. 2012 – Jan. 2013
DCTI, Lisbon University Institute Lisbon, Portugal
Coordinator

TE28	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2012 – Jun. 2012 <i>Lisbon, Portugal</i>
TE27	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i> <i>Coordinator</i>	Sep. 2011 – Jan. 2012 <i>Lisbon, Portugal</i>
TE26	Introduction to Development in Open Source Software Environments (IDSCA) <i>DCTI, Lisbon University Institute</i> <i>Coordinator</i>	Sep. 2011 – Jan. 2012 <i>Lisbon, Portugal</i>
TE25	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2011 – Jun. 2011 <i>Lisbon, Portugal</i>
TE24	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i> <i>Coordinator</i>	Sep. 2010 – Jan. 2011 <i>Lisbon, Portugal</i>
TE23	Introduction to Development in Open Source Software Environments (IDSCA) <i>DCTI, Lisbon University Institute</i> <i>Lisbon, Portugal Coordinator</i>	Sep. 2010 – Jan. 2011 <i>Lisbon, Portugal</i>
TE22	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2010 – Jun. 2010 <i>Lisbon, Portugal</i>
TE21	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i>	Sep. 2009 – Jan. 2010 <i>Lisbon, Portugal</i>
TE20	Introduction to Development in Open Source Software Environments (IDSCA) <i>DCTI, Lisbon University Institute</i> <i>Lisbon, Portugal</i>	Sep. 2009 – Jan. 2010 <i>Lisbon, Portugal</i>
TE19	Introduction to Development in Open Source Software Environments <i>DCTI, Lisbon University Institute</i> <i>Lisbon, Portugal</i>	Sep. 2009 – Jan. 2010 <i>Lisbon, Portugal</i>
TE18	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2009 – Jun. 2009 <i>Lisbon, Portugal</i>
TE17	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i>	Sep. 2008 – Jan. 2009 <i>Lisbon, Portugal</i>
TE16	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2008 – Jun. 2008 <i>Lisbon, Portugal</i>
TE15	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i>	Sep. 2007 – Jan. 2008 <i>Lisbon, Portugal</i>
TE14	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2007 – Jun. 2007 <i>Lisbon, Portugal</i>

TE13	Concurrent and Distributed Programming (PCD) <i>DCTI, Lisbon University Institute</i>	Sep. 2006 – Jan. 2007 <i>Lisbon, Portugal</i>
TE12	Advanced Excel <i>DCTI, Lisbon University Institute</i>	Feb. 2006 – Jun. 2006 <i>Lisbon, Portugal</i>
TE11	Programming Languages <i>DCTI, Lisbon University Institute</i>	Sep. 2005 – Jan. 2006 <i>Lisbon, Portugal</i>
TE10	Advanced Excel <i>DCTI, Lisbon University Institute</i>	Feb. 2005 – Jun. 2005 <i>Lisbon, Portugal</i>
TE9	Programming Languages <i>DCTI, Lisbon University Institute</i>	Sep. 2004 – Jan. 2005 <i>Lisbon, Portugal</i>
TE8	Advanced Excel <i>DCTI, Lisbon University Institute</i>	Feb. 2004 – Jun. 2004 <i>Lisbon, Portugal</i>
TE7	Advanced Excel <i>DCTI, Lisbon University Institute</i>	Sep. 2003 – Jan. 2004 <i>Lisbon, Portugal</i>
TE6	Object-Oriented Programming (POO) <i>DCTI, Lisbon University Institute</i>	Feb. 2003 – Jun. 2003 <i>Lisbon, Portugal</i>
TE5	Intelligent Systems Technologies <i>DCTI, Lisbon University Institute</i>	Feb. 2003 – Jun. 2003 <i>Lisbon, Portugal</i>
TE4	Introduction to Programming <i>DF, Faculdade de Ciências da Universidade de Lisboa</i>	Sep. 2002 – Jan. 2003 <i>Lisbon, Portugal</i>
TE3	Introduction to Programming <i>DF, Faculdade de Ciências da Universidade de Lisboa</i>	Sep. 2001 – Jan. 2002 <i>Lisbon, Portugal</i>
TE2	Introduction to Programming <i>DF, Faculdade de Ciências da Universidade de Lisboa</i>	Sep. 2000 – Jan. 2001 <i>Lisbon, Portugal</i>
TE1	Introduction to Programming <i>DF, Faculdade de Ciências da Universidade de Lisboa</i>	Sep. 1999 – Jan. 2000 <i>Lisbon, Portugal</i>

Research Projects

- **Remote Piloted Semi-Autonomous Aerial Surveillance System Using Terrestrial Wireless Networks (SAAS)**
Jan. 2012 – Dec. 2013
- *IT project, 12 researchers*
24 months
- *Reference: TBD*
 - *Role: Researcher*
 - *Coordinator: Nuno Souto, ISCTE-IUL/IT*
 - *Funding: Instituto de Telecomunicações, amount: 40 kEUR*

- *Objective:* The main goal of SAAS is to develop an unmanned aerial vehicle (UAV) which can be piloted from a remote location and has some level of autonomy using terrestrial wireless networks. It is an objective of the project to develop a system that is mostly independent of a specific vehicle model or design so that it can be easily incorporated into any conventional radio controlled vehicle (helicopters, propelled airplanes, glider, etc) as long as it has sufficient payload capability to carry the equipment. The vehicle could then be chosen according to the specific application desired, which could allow the potential use of the system on fast/effective forest fire detection, search and rescue operations, law enforcement (surveillance, pursuit, crowd control), aerial photography/video, emergency management support, engineering and construction inspections, remote sensing (electromagnetic spectrum sensors, chemical sensors), and military and police force operations

Particle Physics at the LHC - Large Hadron Collider - and Feb. 2006 – Jan. 2009

● **at the ILC - International Linear Collider**

FCT project

36 months

- *Reference:* PTDC/FIS/70156/2006
- *Role:* Researcher
- *Coordinator:* Pedro Miguel Martins Ferreira, CFTC/FCUL
- *Funding:* 190.184 euro

Particle Physics at the Large Hadron Collider and at the

2005 – 2007

● **Linear Collider**

FCT project

36 months

- *Reference:* POCTI/FIS/59741/2004
- *Role:* Researcher
- *Coordinator:* Rui Santos, CFTC/FCUL
- *Funding:* 45.000 euro

Complex Systems: From Physics to Biology and to the So-

2004 – 2006

● **cial Sciences**

FCT project

36 months

- *Reference:* POCTI/FIS/59741/2004
- *Role:* Researcher
- *Coordinator:* Margarida Maria Telo da Gama, CFTC/FCUL
- *Funding:* 64.224 euro

Recursos Linguisticos para o estudo das variedades africanas

2003 – 2006

● **do português**

FCT project

36 months

- *Reference:* PLUS/LIN/50270/2003
- *Role:* Researcher
- *Coordinator:* Fernanda Bacelar, CFTC/FCUL
- *Funding:* 45.000 euro

- **Particle Physics** 2003 – 2005
FCT project 36 months

 - *Reference:* POCTI/FP/FNU/50155/2003
 - *Role:* Researcher
 - *Coordinator:* Rui Santos, CFTC/FCUL
 - *Funding:* 12.000 euro

- **Particle Physics** 2002 – 2004
FCT project 36 months

 - *Reference:* POCTI/FNU/49523/2002
 - *Role:* Researcher
 - *Coordinator:* Augusto Barroso, CFTC/FCUL
 - *Funding:* 24.000 euro

- **Particle Physics, Relativity and Cosmology** 2001 – 2003
FCT project 24 months

 - *Reference:* CERN/FIS/43652/01
 - *Role:* Researcher
 - *Coordinator:* Augusto Barroso, CFTC/FCUL

- **Particle Physics, Relativity and Cosmology** 2000 – 2002
FCT project 24 months

 - *Reference:* CERN/P/FIS/40131/00
 - *Role:* Researcher
 - *Coordinator:* Augusto Barroso, CFTC/FCUL

- **Particle Physics, Relativity and Cosmology** 1999 – 2001
FCT project 24 months

 - *Reference:* CERN/P/FIS/15183/99
 - *Role:* Researcher
 - *Coordinator:* Augusto Barroso, CFTC/FCUL

Academic and Commercial Projects

- *MORFOGNESE MUSICAL* 'Morfognese Musical' uma instalao interativa que traduz em som e movimento a dinmica do processo de desenvolvimento de uma flor. O desenvolvimento de um organismo, ou mesmo de um tecido ou rgo, controlado por vrios genes que, embora tenham uma ao individual, acabam por funcionar em rede controlando os padres que levam formao do organismo. A produo desta instalao de arte e cincias juntou arquitetos, msicos e cientistas com um objectivo: levar o pblico numa viagem descoberta dos mecanismos de 'computao' existentes na natureza. Nesta instalao podemos visualizar e interferir com a dinmica do processo de regulao gntica ao ligarmos ou desligarmos genes e protenas durante este processo. Ao fazer isto, existe a probabilidade de divergir um

organismo normal (em estado selvagem) para um mutante, e talvez traz-lo de volta ao estado selvagem. O pblico convidado a interagir com o florescer de uma pequena flor branca chamada *Arabidopsis thaliana*. Nesta instalao esto representadas quatro partes ou rgos da flor: ptalas, spalas, estames e o carpelo central. O processo de regulao gentica controlado pelo toque num instrumento musical, onde cada tecla do teclado um gene ou protena. Ao tocar neste instrumento, o pblico ativa ou inativa um ou mais genes, desencadeando uma msica. A cadncia musical modificada quando o pblico ativa um gene que produz um grande efeito na dinmica de toda a rede e, conseqentemente, na estrutura da flor. Mas o pblico ir descobrir que esse mesmo gene, ao fim de algum tempo, deixa de conseguir controlar a rede gentica, e ter de encontrar quais os genes que passaram a ser essenciais. Esta instalao ser apresentada no prximo dia 5 de Outubro, integrada no Dia D da Fundao Calouste Gulbenkian (Sala 1, entre as 10:30 e as 18:00). Depois de dia 5, a instalao entrar em digresso. Morfognese Musical um projeto de colaborao entre o Instituto Gulbenkian de Cincia, o LabMvel - laboratrio experimental do Programa Gulbenkian Educao para a Cultura e Cincia e o Vitruvius FabLab-IUL, ISCTE-IUL. By Lus Rocha, Manuel Marques-Pita, Simo Costa, Alexandra Paio, Maria Joo de Oliveira and Sancho Oliveira. <http://www.igc.gulbenkian.pt/pages/facilities.php/A=287>
<http://descobrir.gulbenkian.pt/index.php?article=5849&visual=2&area=4>

- *JBotEvolver, Open Source Distributed Simulator for robot simulation and evolution.* By S. M. Oliveira and A. Christensen. See: <http://sourceforge.net/projects/jbotevolver/>
- *Conillon, Open Source Distributed Computing Platform.* By S. M. Oliveira and H.Silva.
- *Information System for Arquivo Nacional das Imagens em Movimento (ANIM) da Cinemateca Portuguesa.*
- *Information System for Centro de Documentação da Cinemateca Portuguesa.*

Editorial activities, Organization and Committees

- Program Committees
 - PC1 STTF2013 Summer School of ISCTE-IUL University Institute of Lisbon, Sustainable Technologies and Transdisciplinary Futures: From Collaborative Design to Digital Fabrication July 8–13, 2013, Lisbon, Portugal. <http://sttf2013.iscte-iul.pt>
 - PC2 Experimentar a Fabricação Interdisciplinar de Objectos Quotidianos, Workshops para alunos do ensino secundário. May 7 2013, <http://efioq.wordpress.com>
- Reviewer
Reviewed more than 10 papers submitted to international conferences.

Supervision and Juries

- Doctoral Students
 - Miguel Duarte, tentative thesis title: “Synthesizing Control Systems for Autonomous Robots using a Combination of Engineering and Artificial Evolution”, 2014 (est.)
- Master Students

- Joo Bruno, Master thesis: “Gestão e Pesquisa Inteligente em Catálogos Electrónicos”, 2001
- Hélio Alexandre Dias da Silva, Master thesis: “Conillon – Distributed Computing platform for Desktop Grids”, 2011
- Pedro Dias, Master thesis: “BOTBEANS”, 2011
- Miguel Antnio Frade Duarte, Master thesis: “Hierarchical Evolution of Robotic Controllers for Complex Tasks”, 2012
- João Paulo Ribeiro Alves, Master thesis: “Simulação, programação e evolução de comportamentos para um Robot Lego NXT”, 2013
- André Flávio da Silva Leitão Fernandes, Master thesis: “Semi-autonomous control for an unmanned aerial vehicle using terrestrial wireless networks”, 2013 (est.)
- Pedro Proena D’Almeida Bonifcio Costa. Master thesis: “Profiling Web based users preferences with Text Mining”, 2013 (est.)
- Srgio Miguel da Silva Goncalves Bogas. Master thesis: “Automatização na paralelização de aplicações”, 2013 (est.)
- Rudra Anilkumar Dixit. Master thesis: “Comparative Study of MapReduce Implementations Using Object-Oriented and Functional Programming Languages”, 2013 (est.)
- Pedro Alexandre Gonalo Fernandes. Master thesis: “OpenEyes - uma proposta OS para a melhoria da qualidade de vida de pessoas com visibilidade reduzida”, 2013 (est.)
- Mrio Lana Campos Salgado. Master thesis: “Safe navigation of a UAV in cluttered environments”, 2014 (est.)

- Juries and Panels

- Srgio Silveira, ISCTE-IUL, Master, 2013, “Rastreabilidade de Código de Interfaces Gráficas nas Aplicações em Execução, examiner
- Emanuel Angelo, ISCTE-IUL, Master, 2012, “Teaching Computer Programming Using Structured Programming Language and Flowcharts, examiner
- Miguel Gamito, ISCTE-IUL, 2012, Sistema Integrado para a Gestão de Eventos de Natureza Científica, examiner
- David Walter Figueira Jardim, ISCTE-IUL, 2010, Hierarchical Reinforcement Learning: Learning Sub-goals and State-Abstraction, examiner
- Michael Montalvo de Castro. ISCTE-IUL, 2010, Scoring para Concessão de Crédito Usando Técnicas de Data Mining, examiner

Publications

IJ7 M. Duarte, S. M. Oliveira, and A. L. Christensen (2014), Evolution of Hybrid Robotic Controllers for Complex Tasks, *Journal of Intelligent and Robotic Systems*, *in press*.

IJ6 International Journal Publications

- IJ6 The DELPHI Collaboration. (2007), “Search for a fourth generation b -quark at LEP-II at $\sqrt{s} = 196 - 209 \text{ GeV}$ ”. *Eur. Phys. J. C* 50, 507-518
- IJ5 A. Barroso, B.I. Ermolaev (Lisbon U., CFTC), M. Greco (Rome III U. and INFN, Rome), S.M. Oliveira (Lisbon U., CFTC), S.I. Troyan (St. Petersburg, INP) (2003), “Electroweak $2 \rightarrow 2$ Amplitudes for Electron Positron Annihilation at TeV Energies”, *Phys.Rev. D*69:034012, 17pp, 2004 e-Print Archive: hep-ph/0309230
- IJ4 S.M. Oliveira (Lisbon U., CFTC), R. Santos (Lisbon U., CFTC & Campus U.), (2003), “New Bounds on the Mass of a B-Prime Quark”, *Acta Phys.Polon.*B34:5523-5530, 2003 e-Print Archive: hep-ph/0311047
- IJ3 S.M. Oliveira (Lisbon U., CFTC), R. Santos (Lisbon U., CFTC & Campus U.), (2003), “Bounds on the Mass of the B-Prime Quark, Revisited”, *Phys.Rev.*D68:093012, 9pp, 2003. e-Print Archive: hep-ph/0307318

- IJ2 B.I. Ermolaev (CFTC, U. Lisbon), S.M. Oliveira (CFTC, U. Lisbon) and S.I. Troyan (St.Petersburg Institute of Nuclear Physics) (2002) , “Electroweak Bosons Production $e + e^-$ Annihilation at High Energies”, Phys.Rev.D66:114018, 2002 e-Print Archive: hep-ph/0207159.
- IJ1 S.M. Oliveira, L. Brucher (Lisbon U.), R. Santos (Lisbon U. & Campus U.), A. Barroso (Lisbon U.) (2001), “Electroweak Corrections to the Top Quark Decay”, Phys.Rev.D64:017301, 7pp,2001 -Print Archive: hep-ph/0011324

- International Conference Publications

- IC18 M. Duarte, S. M. Oliveira, A. L. Christensen (2014), Hybrid Control for Large Swarms of Aquatic Drones, in Proceedings of the 14th International Conference on the Synthesis & Simulation of Living Systems (ALIFE), MIT Press, Cambridge, MA, 787 - 794
- IC17 M. Duarte, S. M. Oliveira, A. L. Christensen (2014), Evolution of Hierarchical Controllers for Multirobot Systems, in Proceedings of the 14th International Conference on the Synthesis & Simulation of Living Systems (ALIFE), MIT Press, Cambridge, MA, pages 659 -666.
- IC16 M. Duarte, F. Silva, T. Rodrigues, S. M. Oliveira, A. L. Christensen (2014), JBotEvolver: A Versatile Simulation Platform for Evolutionary Robotics, in Proceedings of the 14th International Conference on the Synthesis & Simulation of Living Systems (ALIFE), MIT Press, Cambridge, MA, pages 212 - 213.
- IC15 F. Silva, M. Duarte, S. M. Oliveira, L. Correia, A. L. Christensen (2014), The Case for Engineering the Evolution of Robot Controllers, in Proceedings of the 14th International Conference on the Synthesis & Simulation of Living Systems (ALIFE), MIT Press, Cambridge, MA, pages 705 - 712.
- IC14 T. Rodrigues, M. Duarte, S. Oliveira, A. L. Christensen, (2014), What You Choose to See is What You Get: An Experiment with Learnt Sensory Modulation in a Robotic Foraging Task, in Proceedings of European Conference on the Applications of Evolutionary Computation (EvoApplications, EvoRobot track), Springer, Berlin, Germany, *in press*
- IC13 Filipa Osrio; Paio, A.; Oliveira, S. (2014), ”Interaction with a Kinetic Folded Surface” in Proceedings of the Education and research in Computer Aided Architectural Design in Europe Conference, Newcastle upon Tyne, UK, *in press*
- IC12 Filipa Osrio; Paio, A.; Oliveira, S. (2014), ”KOS- KINETIC ORIGAMI SURFACE” in Rethinking Comprehensive Design: Proceedings of the 19th International Conference on Computer-Aided Architectural Design Research in Asia (CAADRIA)- Kyoto, Japan, pages 201210.
- IC11 M. Duarte, S. Oliveira, A. L. Christensen, (2012), ”Hierarchical Evolution of Robotic Controllers for Complex Tasks”, Proceedings of IEEE Conference on Development and Learning and Epigenetic Robotics (ICDL-EpiRob), IEEE Press, Piscataway, NJ, pages 1–6. **Paper of Excellence Award**
- IC10 F. Silva, P. Urbano, S. Oliveira and A. L. Christensen (2012), ”odNEAT: An Algorithm for Distributed Online, Onboard Evolution of Robot Behaviours”, Proceedings of the Thirteenth International Conference on the Synthesis and Simulation of Living Systems (ALIFE), MIT Press, Boston, MA, pages 251-258. **Tied for best paper on Collective Dynamics Award**
- IC9 M. Duarte, S. Oliveira, and A. L. Christensen (2012), ”Automatic synthesis of controllers for real robots based on preprogrammed behaviors”, Proceedings of the International Conference on Adaptive Behavior (SAB), Springer, Berlin, Germany, pages 249-257.
- IC8 S. Oliveira, L. Nunes, A. L. Christensen (2011), ”An Experiment in Mixing Evolving and Preprogrammed Robots”. Proceedings of the European Conference on Artificial Life (ECAL), Springer-Verlag, Berlin, Germany, pages 153–167.
- IC7 H. Silva, S. Oliveria, A. L. Christensen, (2011), ”Conillon: A Lightweight Distributed Computing Platform for Desktop Grids”. Proceedings of the 6th Iberian Conference on Information Systems and Technologies (CISTI 2011), Curran Associates Inc., Red Hook, NY, pages 1–6.
- IC6 P. Dias, S. Oliveira, (2011) ”Meet and greet programming using graphical languages and tangible interfaces” . Proceedings of the 6th Iberian Conference on Information Systems and Technologies (CISTI 2011), Curran Associates Inc., Red Hook, NY, pages 15-18
- IC5 B.I. Ermolaev (Lisbon U., CFTC & Ioffe Phys. Tech. Inst.), M. Greco (Rome U., III & INFN, Rome), S.M. Oliveira (Lisbon U., CFTC), S.I. Troyan (St. Petersburg, INP)(2003), ”Forward Backward Charge Asymmetry at very High-Energies” Proceedings of the 17th Les Rencontres de Physique de la Vallée d’Aoste: Results and Perspectives in Particle Physics, La Thuile, Aosta Valley, Italy, 9-15 Mar 2003. e-Print Archive: hep-ph/0307238

- IC4 B.I. Ermolaev (Ioffe Phys. Tech. Inst. & Lisbon U., CFTC), M. Greco (INFN, Rome3), S.M. Oliveira (Lisbon U., CFTC), S.I. Troyan (St. Petersburg, INP) (2002), "Double Logarithmic (Sudakov) Asymptotics at the Theory of Electroweak Interactions" Proceedings of the 12th International Seminar on High-Energy Physics (QUARKS 2002), Novgorod, Russia, 1-7 Jun 2002. e-Print Archive: hep-ph/0211415
- IC3 BACELAR DO NASCIMENTO, Maria Fernanda, Jos Bettencourt GONALVES, Lusa S. PEREIRA, Antnia ESTRELA, Afonso PEREIRA, Rui SANTOS e Sancho M. OLIVEIRA (2007). "As variedades africanas do portugus: um corpus comparvel". Proceedings of the X Simposio Internacional de Comunicacin Social, Ministerio de Ciencia, Tecnologia y Medio Ambiente, v. I, Janeiro, Santiago de Cuba.
- IC2 BACELAR DO NASCIMENTO, Maria Fernanda, Jos Bettencourt GONALVES, Lusa S. PEREIRA, Antnia ESTRELA, Afonso PEREIRA, Rui SANTOS e Sancho M. OLIVEIRA (2006), "The African Varieties of Portuguese: Compiling Comparable Corpora and Analyzing Data-derived Lexicon". Proceedings of the Fifth International Conference on Language Resources and Evaluation (LREC 2006), Gnova, Itlia.
- IC1 Oliveira, S. M.; Heleno da Silva, S. I. N.; Oliveira, C. S. (1996), "Registos Aceleromtricos Realizados durante a Erupao do Fogo em Abril de 1995". Book of Abstracts of the International Congress on the Volcanic Eruption of 1995 in Fogo Island, Cape Verde. IICT, Lisboa.

- Peer-reviewed National Conference Publications

- NC7 S. Nascimento, A. Plvora, A. Paio, S. Oliveira, V. Rato (2014), "Back and Forth Between Social and Technical: A Collective Experience in the Transdisciplinary Making of Sustainable Artifacts". Proceedings of STS Italia Conferences, A Matter of Design. Making Society through Science and Technology, *in press*
- NC6 P. B. Costa, S. Oliveira, L. Nunes (2013). "Profiling web users preferences with text mining: Plan2SeeDynamic formulation of conceptual groups" in 8th Iberian Conference on Information Systems and Technologies (CISTI), pages 1-4).
- NC5 C. Duque, M. Duarte, M. Ribeiro, S. Oliveira, A. L. Christensen and N. Souto (2013), "Real-time Control of a Mobile Robot Using Electrooculography". Proceedings of the 9th Conference on Telecommunications (CONFTELE), IT, Coimbra, Portugal, pages 137-140.
- NC4 P. Szczawiński, M. Duarte, S. Oliveira and A. L. Christensen (2013), "Toward Evolved Vision-based Control for a Quadcopter". Proceedings of the 9th Conference on Telecommunications (CONFTELE), IT, Coimbra, Portugal, pages 153-156.
- NC3 M. Duarte, A. L. Christensen, S. Oliveira (2011), "Towards Artificial Evolution of Complex Behavior Observed in Insect Colonies". Proceedings of the Portuguese Conference on Artificial Intelligence (EPIA), Lecture Notes in Artificial Intelligence. Springer-Verlag, Berlin, Germany, pages 153-167.
- NC2 S.M. Oliveira, L. Brucher (Lisbon U.), R. Santos (Lisbon U. & Campus U.), A. Barroso (Lisbon U.) (2000), One loop electroweak corrections to the decay $t \rightarrow bW$. Proceedings of 12 Conferncia Nacional de Fsica (Fisica 2000), Figueira da Foz
- NC1 BACELAR DO NASCIMENTO, Maria Fernanda, Jos Bettencourt GONALVES, Lusa S. PEREIRA, Antnia ESTRELA, Afonso PEREIRA, Rui SANTOS e Sancho M. OLIVEIRA , (2007), "Especificidades das Variedades Africanas do Portugus na formao dos professores". Proceedings of the 7 Encontro Nacional da APP, Associao de Professores de Portugus, Coimbra.

- Workshop Publications

- WSP6 J. R. Alves, S. Oliveira, A. L. Christensen (2013). "NXTTour: an open source robotic system operated over the internet" in ACM SIGDOC European Chapter/ Eurosigdoc Workshop on Open Source and Design of Communication (OSDOC), ACM Press, New York, NY, pages 18-23.
- WSP5 M. Duarte, S. Oliveira, and A. L. Christensen (2012), "Structured Composition of Evolved Robotic Controllers", Proceedings of the 5th International Workshop on Evolutionary and Reinforcement Learning for Autonomous Robot Systems (ERLARS), N. Siebel, Berlin, Germany, pages 19-25, ISSN 2190-5576 (print), ISSN 2190-5746 (online)

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Languages

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