



ALBERT PLA PLANAS

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Training received

University education

Diplomas, degrees and engineering degrees

- 1 Official University Qualification:** Diploma / Degree / Activities
Name of qualification: Master of Science in Automation, Computation and Information Systems
Entity issuing the qualification: Universitat de Girona
Date of qualification: 30/09/2010
Average marks: Good
- 2 Official University Qualification:** Diploma / Degree / Activities
Name of qualification: Enginyeria Informàtica
Entity issuing the qualification: Universitat de Girona
Date of qualification: 30/09/2009
Average marks: Good
- 3 Official University Qualification:** Diploma / Degree / Activities
Name of qualification: Enginyeria Tècnica en Informàtica de Sistemes
Entity issuing the qualification: Universitat de Girona
Date of qualification: 30/09/2007
Average marks: Good

Doctorates

Doctorate: PhD in Technology (Current)
University issuing the title: Universitat de Girona

Language skills

Language	Speech	Reading	Writing
Catalan	Good	Good	Good
Spanish	Good	Good	Good
English	Good	Good	Good
French	Fair	Sufficient	Fair



Experience in Science and Technology

Scientific or technological activity

Participation in R&D&I projects funded in competitive tenders by public or private bodies

- 1** **Name of the project:** Actuació estratègica per la recerca fonamental del grup EXIT
Body where project took place: Universitat de Girona (UdG)
Head(s) researcher(s): Joaquim Melendez Frigola
Number of participating researchers: 18
Funding body or bodies: Universitat de Girona (UdG)
Code according to the funding body: SING12/12
Start date: 2013
Total amount: 3.950
- 2** **Name of the project:** MoSHCA - My Mobile and Smart Health Care Assistant.
Body where project took place: Universitat de Girona
Head(s) researcher(s): Beatriz López
Funding body or bodies: Cluster ITEA2 (EUREKA)
Code according to the funding body: ---
Start date: 2012
- 3** **Name of the project:** Subastas robustas mediante la incorporación de técnicas de satisfactibilidad módulo teorías.
Body where project took place: Universitat de Girona (UdG)
Head(s) researcher(s): Miquel Bofill Arasa
Number of participating researchers: 7
Funding body or bodies: Ministerio de Educación y Ciencia (MEC)
Code according to the funding body: TIN2008-04547
Start date: 2009
Total amount: 93.170
- 4** **Name of the project:** Desenvolupament Plataforma eXiT*DM
Body where project took place: Universitat de Girona (UdG)
Head(s) researcher(s): Joaquim Melendez Frigola
Number of participating researchers: 19
Funding body or bodies: Universitat de Girona (UdG)
Code according to the funding body: ---
Start date: 2009
Total amount: 12.000
- 5** **Name of the project:** AIMES (Advanced infrastructure for Medical Equipment Management and Services) - Proyecto EUREKA del cluster ITEA2, en fase de desarrollo.
Body where project took place: Ministerio de Industria, turismo y Comercio (Avanza I+D, Proyecto EUREKA-cluster ITEA2) Entidades participantes: Consorcio Español: INDRA SISTEMAS SA (lider Esp), Telefonica I+D, RGB Medical Services SA, SUINSA Medical Systems SA, Universitat de Girona // Consorcio



UE: Dräger Medical AG & Co. KG, Enverdis GmbH, FEIG ELECTRONIC GmbH, SBSK, Siemens AG, University of Magdeburg.

Head(s) researcher(s): Maria Beatriz Lopez Ibañez

Number of participating researchers: 1

Funding body or bodies: Ministerio de Industria, Turismo y comercio

Code according to the funding body: TSI-020400-2008-047

Start date: 2008

Total amount: 333.859,4

Scientific Activities and General Techniques

Scientific production

Publications, Scientific and Technical Documents and any other publication

- 1 Albert Pla; Beatriz Lopez; Javier Murillo; Nicolas Maudet. Auctions with Different Types of Attributes: Enacting Properties in Multi-Attribute Auctions. 908410 - Expert Systems With Applications. In press, (United States of America): 2014. Available online at: <10.1016/j.eswa.2014.02.023>. ISSN 0957-4174

Type of production: Articles in the press **Type of platform:** Journal

Index measuring impact: 1.854 **Impact measuring agency:** ISI
- 2 Albert Pla; Beatriz López; Pablo Gay; Carles Pous. eXIT*CBR.v2: Distributed case-based reasoning tool for medical prognosis. 908409 - Decision Support Systems. 54 - 3, pp. 1499 - 1510. (Holland): 2013. Available online at: <10.1016/j.dss.2012.12.033>. ISSN 0167-9236

Type of production: Article **Type of platform:** Journal

Index measuring impact: 2.201 **Impact measuring agency:** ISI
- 3 P. Gay; B. López; A. Pla; J. Saperas; C. Pous. Enabling the Use of Hereditary Information from Pedigree Tools in Medical Knowledge-based Systems. 910887 - Journal of Biomedical Informatics. 46 - 4, pp. 710 - 720. (United States of America): 2013. Available online at: <http://dx.doi.org/10.1016/j.jbi.2013.06.003>. ISSN 1532-0464

Type of production: Article **Type of platform:** Journal

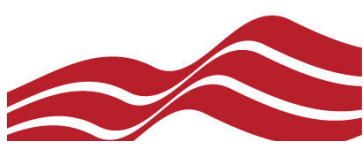
Index measuring impact: 2.131 **Impact measuring agency:** ISI
- 4 Albert Pla; Beatriz Lopez; Javier Murillo. How to Demonstrate Incentive Compatibility in Multi-Attribute. Frontiers in Artificial Intelligence and Applications: Proceedings of the International Conference of the Catalan Association for Artificial Intelligence. 256, pp. 303 - 306. (Spain): IOS Press, 2013. ISBN 978-1-61499-319-

Type of production: Proceedings **Type of platform:** Book
- 5 A.Pla; B. Loez; P. Gay; J. Melendez. Petri Net Based Process Monitoring: A Workflow Management System for Process Modeling and Monitoring. 908066 - Journal of Intelligent Manufacturing. in press, pp. 1 - 16. (Holland): 2012. Available online at: <10.1007/s10845-012-0704-z>. ISSN 0956-5515

Type of production: Article **Type of platform:** Journal

Index measuring impact: 1.278 **Impact measuring agency:** ISI
- 6 Beatriz López; Carles Pous; Albert Pla; Pablo Gay; Joan Brunet. System Overview: Breast Cancer Prognosis Through CBR. tefania Montani, Cindy Marling and Isabelle Bichindaritz (Eds.): ICCBR 2012 Workshop Proceedings: CBR in the Health Sciences. pp. 105 - 110. (France): 2012.

Type of production: Proceedings **Type of platform:** Book



- 7** Albert Pla; Beatriz López; Javier Murillo. Multi criteria operators for multi-attribute auctions. Modeling Decisions for Artificial Intelligence - Lecture notes in artificial intelligence. 7647, pp. 318 - 328. (Spain): Springer-Verlag, 2012. ISBN 978-3-642-34619-4
Type of production: Proceedings **Type of platform:** Book
- 8** Albert Pla; Beatriz Lopez; Javier Murillo. Multi-Attribute Auction Mechanism for Supporting Resource Allocation in Business Process Enactment. Frontiers in Artificial Intelligence Research and Applications - Proceedings of the Starting Artificial Intelligence Research Symposium (STAIRS) in the European Conference of Artificial Intelligence (ECAI). 241, pp. 228 - 239. (France): IOS Press, 2012. ISBN 978-1-61499-095-6
Type of production: Proceedings **Type of platform:** Book
- 9** López, B.; Pous, C.; Gay, P.; Pla, A.; Sanz J.; Brunet, J. eXIT*CBR: A framework for case-based medical diagnosis development and experimentation. 908652 - Artificial Intelligence in Medicine. 51 - 2, pp. 81 - 91. (Holland): 2011. Available online at: <DOI 320651/10>. ISSN 0933-3657
Type of production: Article **Type of platform:** Journal
Index measuring impact: 1.35 **Impact measuring agency:** ISI
- 10** Albert Pla; Beatriz López; Joaquim Melendez; Pablo Gay. Petri Net Based Agents for Coordinating Resources in a Workflow Management System. 3th International Conference on Agents and Artificial Intelligence (ICAART).1, pp. 514 - 523. (Italy): 2011. ISBN 978-989-8425
Type of production: Proceedings **Type of platform:** Book
- 11** A. Pla; B. López; J. Murillo. Workflow Resource Allocation through Auctions. Proc. 2nd Workshop on Artificial Intelligence and Logistics (AILog in IJCAI). pp. 55 - 60. (Spain): 2011.
Type of production: Proceedings **Type of platform:** Book
- 12** Beatriz López; Albert Pla; PabloGay; David Daroca; Ricardo Ruiz; Joaquim Melendez. Plataforma de Integración para el Mantenimiento de Equipos Médicos. Caso de Estudio de un Monitor de Signos Vitales. XIII Congreso Nacional de Informática Médica (INFORMED). pp. 86 - 91. (Spain): 2010. ISBN 978-84-693-6810-7
Type of production: Proceedings **Type of platform:** Book
- 13** Pablo Gay; Albert Pla; Beatriz Lopez; Joaquim Melendez. Service workflow monitoring through complex event processing. Proceedings of 15th IEEE International Conference on Emerging Technologies and Factory Automation, ETFA 2010. 15, pp. 1 - 4. (Spain): 2010. ISBN 978-1-4244-6848-5
Type of production: Proceedings **Type of platform:** Book
- 14** Pablo Gay; Beatriz Lopez; Albert Pla; Joaquim Melendez. Self Organizing Maps for public-cycling transport modeling and management. IADIS International Conference on Applied Computing (AC). pp. 119 - 126. (Rumanía): 2010. ISBN 978-972-8939-30-4
Type of production: Proceedings **Type of platform:** Book
- 15** Beatriz Lopez; Albert Pla; David Daroca; Luis Collantes; Sara Lozano; Joaquim Meléndez. Medical Equipment Maintenance Support with Service-Oriented Multi-agent Services. Principles and Practice of Multi-Agent Systems - Lecture Notes in Computer Science. 7057, pp. 487 - 498. (India): Springer-Verlag, 2010. ISBN 978-3-642-25919-7
Type of production: Proceedings **Type of platform:** Book
- 16** Pablo Gay; Beatriz López; Albert Pla; Joaquim Meléndez. omplex Event Processing for Public-Cycling Transport Supervision. Frontiers in Artificial Intelligence and Applications: Proceedings of the 13th International Conference of the Catalan Asontiers in Artificial Intelligence. pp. 121 - 130. (Spain): IOS Press, 2010.
Type of production: Proceedings **Type of platform:** Book



- 17** Beatriz López; Carles Pous; Pablo Gay; Albert Pla. Multi Criteria Decision Methods for Coordinating Case-Based Agents. L. Braubach et al. (Eds). Multiagent System Technologies 2009. Lecture notes in computer science. 5774, pp. 54 - 54. (Germany): Springer-Verlag, Heidelberg, 2009. ISBN 978-3-642-04142-6
Type of production: Proceedings **Type of platform:** Book
- 18** López, B.; Pous, C.; Pla, A.; Gay, P. Boosting CBR Agents with Genetic Algorithms. International Conference on Case-Based Reasoning. 5650, pp. 195 - 209. (Germany): Springer-Verlag, 2009. Available online at: <<http://www.springerlink.com/content/b8074545152m7847/fulltext.pdf>>. ISBN 978-3-642-02997-4
Type of production: Chapters of books **Type of platform:** Book
- 19** Carles Pous; Albert Pla; Pablo Gay; Beatriz López. Collecting methods for medical CBR development and experimentation. European Conference on Case-Based Reasoning, CBR in the Health Sciences 2009. pp. 89 - 98. (Germany): 2008. ISBN 978-3-88120-903-8
Type of production: Proceedings **Type of platform:** Book
- 20** Pous, C.; Pla, A.; Gay, P.; Lopez, B. eXiT*CBR: a framework for case-based medical diagnosis. pp. 96 - 105. (Germany): IBAI Publishing, 2008. ISBN 978-3-940501-03-5
Type of production: Others
- 21** Lopez, B.; Gay, P.; Pla, A.; Pous, C. A Framework for CBR development and experimentation with application to medical diagnosis. J.M. Corchado, J.F. De Paz, M.I.P. Rocha, F. Fernández-Riverola (Eds.): 2nd International Workshop on Practical Applications of Computational Biology and Bioinformatics (IWPACBB 2008) of Advances in Soft Computing. 49, pp. 45 - 54. (Germany): Springer-Verlag, 2008. Available online at: <http://dx.doi.org/10.1007/978-3-540-85861-4_6>. ISBN 978-3-540-85860-7
Type of production: Chapters of books **Type of platform:** Book
- 22** Pous, C.; Pla, A.; Gay, P.; Lopez, B. Collecting methods for medical CBR development and experimentation. Martin Schaaf (Ed.): ECCBR 2008, The 9th European Conference on Case-Based Reasoning, Trier, Germany, September 1-4, 2008, Workshop Proceedings. 2008. pp. 89 - 98. (Germany): Tharax-Verlag, 2008. ISBN 978-3-88120-903-8
Type of production: Proceedings **Type of platform:** Book
- 23** Pous, C.; Gay, P.; Pla, A.; Brunet, J.; Sanz, J.; Ramon, T.; Lopez, B. Modeling reuse on case-based reasoning with application to breast cancer diagnosis. D. Dochev, M. Pistore and P. Traverso (Eds.): Artificial Intelligence: Methodology, Systems, and Applications (AIMSA), Lecture Notes in Computer Science. 5253, pp. 322 - 332. (Germany): Springer-Verlag, 2008. Available online at: <<http://www.springerlink.com/content/k63m7470q8l43027/fulltext.pdf>>. ISBN 978-3-540-85775-4
Type of production: Chapters of books **Type of platform:** Book

Work presented in conferences at the national or international level

- 1** **Title:** How to Demonstrate Incentive Compatibility in Multi-Attribute Auctions
Name of the conference: International Conference of the Catalan Association for Artificial Intelligence
Type of event: Conference
Your role: Poster
City of the publishing body: Vic, Spain
Date of the event: 2013
Albert Pla; Beatriz López: Javier Murillo. "Frontiers in Artificial Intelligence and Applications (vol 256)".
- 2** **Title:** Multi-Attribute Auction Mechanism for Supporting Resource Allocation in Business Process Enactment
Name of the conference: Sixth Starting AI Researchers' Symposium (STAIRS 2012) at the European Conference of Artificial Intelligence 2012

Type of event: Conference

Your role: Speaker

City of the publishing body: Montpellier, France

Date of the event: 2012

Albert Pla; Beatriz López; Javier Murillo. "Frontiers of Artificial Intelligence & Advances".

- 3** **Title:** Multi Criteria Operators for Multi-attribute Auctions
Name of the conference: 9th International Conference on Modeling Decisions for Artificial Intelligence
Type of event: Conference
Your role: Speaker
City of the publishing body: Girona, Spain
Date of the event: 2012
Albert Pla; Beatriz López; Javier Murillo. "Lecture Notes in Artificial Intelligence".

- 4** **Title:** Petri Net Based Agents for Coordinating Resources in a Workflow Management System
Name of the conference: 3th International Conference on Agents and Artificial Intelligence (ICAART)
Type of event: Conference
Your role: Speaker
City of the publishing body: Roma, Italy
Date of the event: 2011
Albert Pla; Beatriz López; Joaquim Melendez; Pablo Gay.

- 5** **Title:** Workflow Resource Allocation through Auctions
Name of the conference: 2nd Workshop on Artificial Intelligence and Logistics (AILog in IJCAI)
Type of event: Conference
Your role: Speaker
City of the publishing body: Barcelona, Spain
Date of the event: 2011
A. Pla; B. López; J. Murillo.

- 6** **Title:** EASSS 2011: Student Session (Chair of session)
Name of the conference: 13th European Agent Systems Summer School
Type of event: Conference
Your role: Others
City of the publishing body: Girona, Spain
Date of the event: 2011
Tina Balke; Daniel Villatoro; Albert Pla.

- 7** **Title:** Complex event processing for public-cycling transport supervision
Name of the conference: 13th Congrés Internacional de l'Associació Catalana d'Intel·ligència Artificial
Type of event: Conference
Your role: Speaker
City of the publishing body: L'Espluga de Francolí, Spain
Date of the event: 2010
Pablo Gay; Albert Pla; Beatriz Lopez; Joaquim Melendez.

- 8** **Title:** Medical equipment maintenance support with service-oriented multi-agent services.
Name of the conference: The 13th International Conference on Principles and Practice of Multi-Agent Systems (PRIMA-2010)
Type of event: Conference
Your role: Speaker



City of the publishing body: Calcuta, India

Date of the event: 2010

B. Lopez; A. Pla; D. Daroca; L. Collantes; S. Lozano; J. Meléndez.

- 9** **Title:** Multi Criteria Decision Methods for Coordinating Case-Based Agents
Name of the conference: 7th German conference on Multi-Agent System Technologies (MATES)
Type of event: Conference
Your role: Speaker
City of the publishing body: Hamburg, Germany
Date of the event: 2009
López, B.; Pous, C.; Gay, P.; Pla, A.

Other credits

Residencies in R&D&I centres or companies in your own country or abroad

- 1** **Body where project took place:** Université Pierre et Marie Curie - Paris 6 Laboratoire d'informatique de Paris 6 (Smart Agents Group)
City: Paris, France
Start date: 2012, 3 months
Aim of the residency: Ph.D. Student - Pre-doctoral Internship
Provable tasks: Multi-criteria Operators for Multi-attribute auctions.
- 2** **Body where project took place:** Kungliga Tekniska högskolan (KTH) - Royal Institute of Technology (CVAP group)
City: Stockholm, Sweden
Start date: 2009, 7 months
Aim of the residency: Others (specify) - Final Degree Project
Provable tasks: Machine Learning and Computer Vision

Collection of other credits.

Description credits: Research lines: Workflow Mining, modeling and analysis; Case Based Reasoning; Multi Agent Systems; Auctions; Game theory;; 01/01/2008 --

Body conferring the credit: Universitat de Girona

Date of credit: 01/01/2008