

CV - David Masip Rodó

David Masip Rodó

Universitat Oberta de Catalunya

Information Technologies, Multimedia and Telecommunications Department

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Barcelona, Spain.

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Education

Princeton University, EEUU

Psychology Department, Postdoc researcher, May 2013-October 2013.

Psychology Department, Visiting researcher, May 2012.

Psychology Department, Visiting researcher, July 2009.

Universitat Autònoma de Barcelona, Spain

Computer Science Department, PhD Computer Science 2005. **Excellent Cum Laude.**

University of Wales, Bangor, United Kingdom

School of Computer Science, Visiting researcher, March 2003, July 2004.

Universitat Autònoma de Barcelona, Spain

Computer Science Department, B.A Degree Computer Science 2001

Positions

Universitat Oberta de Catalunya, Spain

Associate professor, February 2007-present

Affiliated Computer Vision Center, CVC.

Affiliated Internet Interdisciplinary Institute IN3

Universitat de Barcelona, Spain

Assistant professor, September 2005- February 2007

Universitat Autònoma de Barcelona, Spain

Assistant professor, September 2001- August 2005

Intelligent Software Components iSOCO S.A.

Software engineer. February-September 2001

Awards

Extraordinary PhD Award in Computer Science 2005.

Best paper award CCIA 2003. David Masip, Jordi Vitrià." On Feature Extraction for Gender Recognition Using the Nearest Neighbor Approach". In I. Aguiló, Ll. Valverde M.T. Escrig, editors. Artificial Intelligence Research and Development. IOS PRESS, Amsterdam, 2003, pp. 178-188. ISBN 1-58603-378-6.

Research grants

Title: Reconocimiento visual con metodologias de aprendizaje de principio a fin: mirando las personas y entendiendo las escenas

Principal Investigator: David Masip Rodo and Àgata Lapedriza

Funding entity: Ministerio de Economía y Competitividad

Budget: 37 000€

Dates: 01/01/2016 , 3 years.

Title: Revisitando los modelos de representacion para el reconocimiento visual: percepcion social y cultural

Principal Investigator: David Masip Rodo

Funding entity: Ministerio de Educación y ciència

Budget: 18 980€

Dates: 01/01/2013 , 3 years.

Title: Anàlisi de la satisfacció dels usuaris mitjançant el reconeixement automàtic d'expressions facials ASUREF

Principal Investigator: David Masip Rodó

Funding entity: FUNDACIO PER A LA UNIVERSITAT OBERTA DE CATALUNYA

Budget: 5 000€

Dates: 31/12/2010 , 1 year.

Title: Técnicas de aprendizaje automático para sistemas de visión de gran escala: Aplicaciones al análisis de imagen médica

Principal Investigator: Jordi Vitrà Marca

Funding entity: Ministerio de Educación y ciencia

Budget: 203 000€

Dates: 01/01/2010 , 3 years.

Title: Sistema Experto basado en Señales Biométricas

Principal Investigator: Xavier Monzó

Funding entity: Ministerio de Educación y ciencia

Budget: 155 000€

Dates: 11/01/2008 , 3 years.

Title: Multimodal Interaction in Pattern Recognition and Computer Vision (MIPRCV)

Principal Investigator: Enrique Vidal Ruiz

Funding entity: Ministerio de Ciencia y Tecnología

Budget: 4 500 000€

Dates: 01/01/2007 , 3 years.

Title: Modelos de aprendizaje multitarea para la vision por computador

Principal Investigator: Jordi Vitrà Marca

Funding entity: Ministerio de Educación y ciencia

Budget: 106 000€

Dates: 01/01/2007 , 3 years.

Title: Interfaces de Visión para Entornos Médicos

Principal Investigator: Jordi Vitrà Marca

Funding entity: Ministerio de Ciencia y Tecnología

Budget: 126 400€

Dates: 01/01/2003 , 3 years.

Title: Entorno inteligente para el ámbito hospitalario

Principal Investigator: Jordi Vitrà Marca

Funding entity: Dirección General de Investigación. Ministerio de Ciencia y Tecnología

Budget: 32 210€

Dates: 01/01/2000 , 3 years.

Title: Plataforma d'Aprenentatge en Xarxa (K-PAX)

Principal Investigator: Daniel Riera Terren

Funding entity: FUNDACIO PER A LA UNIVERSITAT OBERTA DE CATALUNYA

Budget: 5 000€

Dates: 31/12/2010 , 1 year.

Title: eProg: Anàlisi, disseny, implementació i avaluació d'un entorn interactiu i col·laboratiu en la docència de les assignatures de programació

Principal Investigator: Xavier Baró Solé

Funding entity: FUNDACIO PER A LA UNIVERSITAT OBERTA DE CATALUNYA

Budget: 5 000€

Dates: 31/12/2012 , 1 year.

Title: Opinion Mining

Principal Investigator: Jordi Conesa Caralt

Funding entity: FUNDACIO PER A LA UNIVERSITAT OBERTA DE CATALUNYA

Budget: 5 000€

Dates: 31/12/2010 , 1 year.

PhD Students

Jose Antonio García del Arco, co advised with Jacopo Aguzzi. (ongoing thesis)

David Sánchez Mendoza, co advised with Àgata Lapedriza (ongoing thesis)

Amir Hossein Bakhtiary Davijani, co advised with Àgata Lapedriza (ongoing thesis)

Mario Rojas Quiñones co advised with Jordi Vitrià, 2012.

Àgata Lapedriza Garcia, co advised with Jordi Vitrià 2009.

Advised more than 20 Undergraduate final degree projects and 5 Master thesis.

Publications

Refereed Journal Papers

1. Calvet, L.; Ferrer, A.; Gomes, I.; Juan, A.; Masip, D. : “Combining Statistical Learning with Metaheuristics for the Multi-Depot Vehicle Routing Problem with Market Segmentation”. *Computers and Industrial Engineering*. April 2016. Vol 94., pp 93-104. ISI JCR IMPACT FACTOR: 1.783 (2014), 2nd quartile; 2014 SJR = 1.583, Q2). ISSN: 0360-8352.
2. David Sanchez-Mendoza, David Masip, Agata Lapedriza. Emotion recognition from mid level features. *Pattern Recognition Letters*. Vol 67 Issue P1, 66-74. Elsevier, North Holland, ISSN 0167-8655. December 2015. ISI JCR IMPACT FACTOR: 1.551 (2014). 2nd quartile. *Computer Science, Artificial Intelligence*.
3. Àngels Rius, Robert Clarisó, David Masip. Student projects empowering mobile learning in higher education. *RUSC. Universities and Knowledge Society Journal*, Vol 11, num 1, pp. 192-207, 2014. doi <http://doi.dx.org/10.7238/rusc.v11i1.1901>. ISSN 1698-580X
4. David Masip, Michael S. North, Alexander Todorov, Dan N. Osherson. Automated Prediction of Preferences Using Facial Expressions. *PLoS ONE* 9(2): e87434. doi:10.1371/journal.pone.0087434. February 2014. ISI JCR IMPACT FACTOR: 3.223 . 1st quartile. (9/57) *Multidisciplinary sciences*.

Available: < <http://www.plosone.org/article/info:doi/10.1371/journal.pone.0087434>>.
5. Mario Rojas Quiñones, David Masip, Alexander Todorov, Jordi Vitrià Marca. Automatic Prediction of Facial Trait Judgments: Appearance vs. Structural Models. *PLOS One*.6 - 8,pp. 1 - 12. *PLOS*,14/07/2011. ISSN 1932-6203. ISI JCR IMPACT FACTOR: 4.092. 1st quartile. (12/85) *Biology*.

Available: <<http://www.plosone.org/article/info:doi/10.1371/journal.pone.0023323>>.
6. Sergio Escalera, David Masip, Eloi Puertas, Petia Radeva, and Oriol Pujol. “Online error correcting output codes”. *Pattern Recognition Letters*. , Vol 32, Issue 3, 458-467, Elsevier, North Holland, ISSN 0167-8655. January 2011. ISI JCR IMPACT FACTOR: 1.034 (63/111). *Computer Science, Artificial Intelligence*.
7. Juan, AA and Faulin, J. and Jorba, J. and Riera, D. and Masip, D. and Barrios, B. “On the use of Monte Carlo simulation, cache and splitting techniques to improve the Clarke and Wright savings heuristics”. *Journal of the Operational Research Society*. Vol 62 (6). Pp 1085-1097 July 2011. ISI JCR IMPACT FACTOR: 0.971 (35/77). *Operations Research and Management Science*.
8. Caballé, S., Lapedriza, A., Masip, D., Xhafa, F. and Abraham, A “Enabling Automatic Just-in-time Evaluation of In-class Discussions in On-line Collaborative Learning Practices.”. *Journal of Digital Information Management (JDIM)*. Vol 7, Issue 5, 290-297. 2009. ISSN 0972-7272

9. Oriol Pujol, David Masip. "Geometry-Based Ensembles: Toward a Structural Characterization of the Classification Boundary". IEEE Transactions on Pattern Analysis and Machine Intelligence. Vol 31, Issue 6, 1140-1146. July 2009. ISI JCR IMPACT FACTOR: 4.378 (3/103). Computer Science Artificial Intelligence.
10. David Masip, Àgata Lapedriza, Jordi Vitrià. "Boosted Online Learning for Face Recognition". IEEE Transactions on Systems Man and Cybernetics part B. Vol 39, Issue 2, 530-538. April 2009. ISI JCR IMPACT FACTOR: 3.007 (2/59). Automation and Control systems.
11. Matthias S. Keil, Àgata Lapedriza, David Masip, Jordi Vitrià. "Preferred spatial frequencies for human face processing are associated with optimal class discrimination in the machine". PLoS ONE, Public Library of Science. PLoS ONE 3(7): e2590 doi:10.1371/journal.pone.0002590. 2008. ISI JCR IMPACT FACTOR: 4.351 (9/73).
12. Àgata Lapedriza, Santi Seguí, David Masip, Jordi Vitrià. "A Sparse Bayesian Approach for Joint Feature Selection and Classifier Learning". Pattern Analysis and Applications. Vol 11, Issue 3-4 299-308. 2008. ISI JCR IMPACT FACTOR: 1.367 (50/94) Computer Science Artificial Intelligence.
13. David Masip, Jordi Vitrià. "Shared Feature Extraction for Nearest Neighbor Face Recognition". IEEE Transactions on Neural Networks. Vol 19, n. 4, 586-595. April 2008. ISI JCR IMPACT FACTOR: 3.726 (4/94). Computer Science Artificial Intelligence.
14. Àgata Lapedriza, David Masip, Jordi Vitrià. "On the Use of External Features for Face Verification". Journal of Multimedia (JMM). Acedemy Publisher. Vol 1, n. 4 July 2006.
15. David Masip, Jordi Vitrià. "Boosted Discriminant Projections for Nearest Neighbor Classification". Pattern Recognition. Vol 39, n. 2, 164-170. 2006. Elsevier Science. ISI JCR IMPACT FACTOR: 1.822 (8/85) Computer Science Artificial Intelligence.
16. David Masip, Ludmila I. Kuncheva, Jordi Vitrià, "An ensemble-based method for linear feature extraction for two class problems". Pattern Analysis and Applications. vol 8, n.3, 227-237, 2005. Springer Ed. ISI JCR IMPACT FACTOR: 0.782 (43/79)
17. David Masip, Marco Bressan, Jordi Vitrià. "Feature extraction for real time face detection and classification". EURASIP JASP journal on Applied Signal Processing. Vol 13, 2061-2071. 2005. Hindawi Publishing Corporation. ISI JCR IMPACT FACTOR: 0.394 (143/208)
18. David Masip, Jordi Vitrià. "On the Feature Extraction for Gender Recognition Using the Nearest Neighbor Approach". International Journal of Intelligent Systems vol. 20, n.5, pp. 561-576. 2005. Wiley Ed. ISI JCR IMPACT FACTOR: 0.657 (53/79)

Book Chapters

"Measuring external Face appearance for Face Classification". David Masip. Àgata Lapedriza and Jordi Vitrià. Invited Chapter in the Face Recognition Book. ARS Ed.

Masip, D., Minguillón, J., Mor, E. (2010). Capturing and Analyzing Student Behavior in a Virtual Learning Environment: A Case Study on Usage of Library Resources. En: Romero, C., Ventura, S., Baker, R., Pechenizkiy, M. Handbook of Educational Data Mining. CRC Press. Pág. 339-351. ISBN. 978-1-4398045-7-5

Books

“Feature Extraction in Face Recognition”. David Masip. Book. VDM Verlag Ed.

PhD. Dissertation. David Masip. Face Classification Using Discriminative Features and Classifier Combination. Draft (pdf).

Lecture Notes in Computer Science

M. Rojas, D. Masip and J. Vitrià. "Automatic Detection of Facial Feature Points via HOGs and Geometric Prior Models". In proceedings of the fifth Iberian Conference on Pattern Recognition and Image Analysis, IbPRIA 2011 J. Martí et al. (Eds.). Lecture Notes in Computer Science Pattern Recognition and Image Analysis, June 2007, pp. 371-378 Springer-Verlag Berlin Heidelberg. ISBN 978-3-642-21256-7

Àgata Lapedriza, David Masip, Jordi Vitrià. "A Hierarchical Approach for Multi-task Logistic Regression". In Proc. 3rd Iberian Conference on Pattern Recognition and Image Analysis. J. Martí et al. (Eds.). Lecture Notes in Computer Science 4478. Pattern Recognition and Image Analysis, June 2007, pp. 258-265. Springer-Verlag Berlin Heidelberg. ISBN 978-3-540-72848-1.

Àgata Lapedriza, David Masip, Jordi Vitrià. "The Contribution of External Features to Face Recognition", In Proc. 2nd Iberian Conference on Pattern Recognition and Image Analysis. J.S. Marques et al. (Eds.). Lecture Notes in Computer Science 3523. Pattern Recognition and Image Analysis, June 2005, pp. 537-544. Springer-Verlag Berlin Heidelberg. ISBN 0302-9743. ISI JCR IMPACT FACTOR: 0.402 (62/71).

David Masip, Jordi Vitrià. "An Experimental Comparison of Dimensionality Reduction for Face Verification Methods". In Proc. 1st Iberian Conference on Pattern Recognition and Image Analysis. F.J.Perales, A.Campilho, N.Pérez, A.Sanfeliu, editors. Lecture Notes in Computer Science 2652 Pattern Recognition and Image Analysis, June 2003, pp. 530-537. Springer-Verlag Berlin Heidelberg. ISBN: 3-540-40217-9.

Refereed Conference Papers

1. Amir H. Bakhtiary, Àgata Lapedriza, David Masip. Speeding Up Neural Networks for Large Scale Classification using WTA Hashing. Artificial Intelligence Research and Development - Proceedings of the 18th International Conference of the Catalan Association for Artificial Intelligence, Valencia, Catalonia, Spain, October 21-23, 2015. 2015
2. David Sanchez-Mendoza, David Masip, Xavier Baró, Àgata Lapedriza. Emotions Classification using Facial Action Units Recognition. In proceedings of the Catalan Conference on Artificial Intelligence 2014. Barcelona. Spain.

3. David Sanchez-Mendoza, David Masip, Xavier Baró, Àgata Lapedriza. Emotion Detection Using Hybrid Structural and Appearance Descriptors. In Modeling Decisions for Artificial Intelligence (pp. 105-116). Springer Berlin Heidelberg. Barcelona, Spain.
4. Isabel Guitart, Jordi Conesa, Luis Villarejo, Àgata Lapedriza, David Masip, Antoni Pérez, Elena Planas . Opinion Mining on Educational Resources at the Open University of Catalonia. ALICE 2013: Third International Workshop on Adaptive Learning via Interactive, Collaborative and Emotional approaches. In conjunction with CISIS 2013: The Seventh International Conference on Complex, Intelligent, and Software Intensive Systems. July 3 - 5, 2013. Taichung, Taiwan
5. Xavier Baró, David Masip, Elena Planas y Julià Minguillón. PeLP: Plataforma para el Aprendizaje de Lenguajes de Programación. Jornadas de Enseñanza Universitaria de la Informática. JENUI 2013.
6. David Masip Rodó, Alexander Todorov, and Jordi Vitrià Marca. "The role of facial regions in evaluating social dimensions." In Proceedings of the 12th international conference on Computer Vision - Volume 2 (ECCV'12), Andrea Fusiello, Vittorio Murino, and Rita Cucchiara (Eds.), Vol. 2. Springer-Verlag, Berlin, Heidelberg, 210-219.
7. M.Rojas, D.Masip, J.Vitrià. "Predicting Dominance Judgments Automatically: A Machine Learning Approach". IEEE International Workshop On Social Behavior Analysis 2011, (in conjunction with FG 2011). 21st March 2011. Santa Barbara, CA.
8. M. Drozdal, A. Hernández, S. Seguí, X. Baró, S. Escalera, A. Lapedriza, D. Masip, P. Radeva, J. Vitrià. "Combining Detectors for Human Layout Analysis". 11th European Conference on Computer Vision, The Pascal Visual Object Classes Challenge Workshop 2010, 05/09/2010-11/09/2010, Greece, 2010. VOC Slides. Pascal 2 Person layout challenge winner.
9. M.Rojas, D.Masip, J.Vitrià. "Object Detection Techniques Applied to Facial Salient-point-centered Regions". Proceedings of the 5th CVC Workshop, Achievements and New Opportunities in Computer Vision. Page(s):46-50. October 2010. ISBN: 978-84-938351-0-1. Barcelona, Spain.
10. M.Rojas, D.Masip, A.Todorov, J.Vitrià. " Automatic Point-based Facial Trait Judgments Evaluation". In Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition 2010. 13-18 June 2010. Page(s):1063-6919. ISSN: 1063-6919, ISBN: 978-1-4244-6984-0. San Francisco, CA.
11. M.Rojas, D.Masip, J.Vitrià. "On Experimental Evaluation of Descriptors for Facial Feature Point Detection". Proceedings of the 4th CVC Workshop, Computer Vision: Progress of Research and Development. Page(s):88-94. October 2009. ISBN: 978-84-937261-1-9. Barcelona, Spain.
12. Angel Juan, Javier Faulin, Daniel Riera, David Masip and Josep Jorba. " A Simulation-based Methodology to assist Decision-makers in real Vehicle Routing Problems". In Proceedings of the 11th International Conference on Enterprise Information Systems 2008. 6-10 May 2008. Milan, Italy.
13. Agata Lapedriza, David Masip and Jordi Vitrià. " On the use of independent tasks for face recognition ". IEEE Conference on Computer Vision and Pattern Recognition, 2008. CVPR 2008. 23-28 June 2008 Page(s):1 - 6. Anchorage, Alaska

14. David Masip, Agata Lapedriza, and Jordi Vitrià. "MULTITASK LEARNING: An application to Incremental Face Recognition". International Conference on Computer Vision Theory and Applications - VISAPP 2008.
15. Àgata Lapedriza, David Masip, Jordi Vitrià. "Subject Recognition Using a New Approach for Feature Extraction". International Conference on Computer Vision Theory and Applications - VISAPP 2008.
16. Àgata Lapedriza, David Masip, Jordi Vitrià. "Shared Regularization Techniques for Logistic Regression Model". 2nd CVC Internal Workshop, Computer Vision: Progress of Research and Development, J. Lladós (ed.),
17. David Masip, Agata Lapedriza, and Jordi Vitrià. "Multitask learning applied to face recognition". 1st Spanish Workshop on Biometrics. SWB2007. June 2007, Girona..
18. David Masip, Àgata Lapedriza, Jordi Vitrià. "Face Verification Sharing Knowledge from Different Subjects". In Proceedings of International Conference on Computer Vision Theory and Applications - VISAPP 2007, Barcelona, Spain, 2007.
19. Maite Lopez-Sanchez, Jesus Cerquides Bueno, David Masip, Anna Puig. "Classification of Biomedical High-Resolution Micro-CT Images for Direct Volume Rendering". IASTED International Conference on Artificial Intelligence and Applications (AIA 2007), February 2007, Innsbruck, Austria
20. Àgata Lapedriza, David Masip, Jordi Vitrià. "Face Verification using External Features". 7th IEEE International Conference on Automatic Face and Gesture Recognition, 2006. FGR 2006. 10-12 April 2006. IEEE Eds. pp(s):132 – 137. ISBN 0-7695-2503-2. Southampton, UK.
21. Àgata Lapedriza, David Masip, Jordi Vitrià. "Experimental Study of the Usefulness of External Features for Face Classification". Catalan Conference on Artificial Intelligence , 2005. In Artificial Intelligence Research and Development, IOS Press, Amsterdam, 2005, pp. 99-106. ISBN 0922-6/1-58603-560-6. El Alguer.
22. Àgata Lapedriza, David Masip, Jordi Vitrià. "Are External Face Features Useful for Automatic Face Classification?". Accepted for oral presentation in the IEEE Workshop on Face Recognition Grand Challenge Experiments, in conjunction with Computer Vision and Pattern Recognition (CVPR 2005) San Diego, California USA.
23. David Masip, Jordi Vitrià. "Boosted Linear Projections for Discriminant Analysis". Catalan Conference on Artificial Intelligence, 2004. Recent Advances in Artificial Intelligence Research and Development, IOS Press, Amsterdam, pp 45-52. ISBN 1-58603-466-9. Barcelona 2004.
24. David Masip, Marco Bressan, Jordi Vitria. "Classifier combination applied to real time face detection and classification", Jornades de recerca en automatica visió i robòtica AVR2004, Universitat Politècnica de Catalunya, 2004. In A.Grau, V.Puig, "Recerca en Automàtica, Visió i Robòtica. Any 2004", pp. 345-352, Ed. UPC, ISBN 84-7653-844-8, 2004.
25. David Masip, Jordi Vitrià. "Object recognition using boosted adaptive features". ECOVISION: Early Cognitive Vision Workshop 2004, Sabhal Mor Ostaig, Scotland, 28.5. - 1.6.2004.

26. David Masip, Jordi Vitrià. "Real Time Face Detection and Verification for Uncontrolled Environments". Second COST 275 Workshop Biometrics on the Internet: Fundamentals, Advances and Applications, pp 55-58 . Vigo (Spain), March 25-26, 2004.
27. David Masip, Jordi Vitrià." On Feature Extraction for Gender Recognition Using the Nearest Neighbor Approach". In I. Aguiló, Ll. Valverde M.T. Escrig, editors. Artificial Intelligence Research and Development. IOS PRESS, Amsterdam, 2003, pp. 178-188. ISBN 1-58603-378-6. Mallorca. Best Paper Award.
28. David Masip, Jordi Vitria, On the Nearest Neighbor Approach for Gender Recognition. 6th Catalanian Conference on Artificial Intelligence, 2003.

Technical reports

Amir H. Bakhtiary, Agata Lapedriza, David Masip. Speeding Up Neural Networks for Large Scale Classification using WTA Hashing. <http://arxiv.org/abs/1504.07488>

Dimensionality Reduction Techniques Applied to Nearest Neighbor Classification, David Masip i Rodo. CVC Tech.Rep. #072 July,2003

Teaching publications

Title: Iniciació a l'administració de sistemes operatius - Linux

Author : Sergio Escalera Guerrero, David Masip Rodó

Subject: Administració de sistemes operatius Sistemes operatius (Ordinadors) Linux

Publication date : 2010

Abstract (catalan): La presentació conté aproximadament 500 diapositives relacionades amb la Administració de Sistemes Operatius amb nucli Linux. Es tracten els temes principals relacionats a l'administració de sistemes, com la gestió d'usuaris i grups, recursos, ó l'administració de xarxa, entre d'altres.

URI: <http://hdl.handle.net/2445/11723>

Collection OMADO (Objectes i materials docents)

Title: Aprenentatge Computacional

Author : Antoni Moreno i Ribas, Vicenç Torra i Reventós, David Masip i Rodó.

Subject: Machine Learning

Publication date : 2012

Abstract: 3 Module materials published also as a booklet.

Title: Intel·ligència Artificial Avançada

Author : Raúl Benítez, Gerard Escudero, Samir Kanaan, David Masip Rodó

Subject: Machine Learning

Publication date: 2013

Classes taught

Undergraduate

(Spring and fall 2007-2012)

PFC AdHoc. Computer Science degree. Universitat Oberta de Catalunya.

Informàtica gràfica I. Computer Science degree. Universitat Oberta de Catalunya.

Inteligència Artificial I. Computer Science degree. Universitat Oberta de Catalunya.

Inteligència Artificial II. Computer Science degree. Universitat Oberta de Catalunya.

Taller de Java per a Iniciats a la programació. Computer Science degree. Universitat Oberta de Catalunya.

Intel·ligència Artificial. Computer Science degree. Universitat Oberta de Catalunya.

PFC-Intel·ligència Artificial. Computer Science degree. Universitat Oberta de Catalunya.

PFC-Representació del coneixement. Computer Science degree. Universitat Oberta de Catalunya.

PFC- Visió per Computador. Computer Science degree. Universitat Oberta de Catalunya.

Programació Orientada a l'objecte. Computer Science degree. Universitat Oberta de Catalunya. Fall 2007.

Elementos de Programación. Computer Science degree. Universitat de Barcelona. Fall 2005, 2006.

Sistemas Operativos. Computer Science degree. Universitat de Barcelona. Spring 2006.

Procesamiento de Imágenes. Computer Science degree. Universitat de Barcelona. Spring 2006.

Estructura de datos. Computer Science degree. Universitat Autònoma de Barcelona. Spring 2004, 2005.

Metodología y Gestión de proyectos. Computer Science degree. Universitat Autònoma de Barcelona. Fall 2001, 2002.

Graduate

Dimensionality reduction. Master in Computer Vision. Universitat Autònoma de Barcelona. Fall 2011, 2012.

Intel·ligència Artificial Avançada. Master in Computer Science. Universitat Oberta de Catalunya. Spring 2012, 2013.

Data Mining. Data Warehouse DataMart y tecnología OLAP. Master in Business Intelligence. Universitat Oberta de Catalunya. Fall 2008,2009, 2010, 2011, 2012, 2013.

Datamining: fundamentos y metodologías Master in Business Intelligence. Universitat Oberta de Catalunya. Fall 2008, 2009, 2010, 2011, 2012, 2013.

Data Mining. Soluciones tecnológicas y aplicaciones horizontales. Master in Business Intelligence. Universitat Oberta de Catalunya. Fall 2008, 2009, 2010, 2011, 2012, 2013.

Modelos de datos. Master in Business Intelligence. Universitat Oberta de Catalunya. Spring 2009, 2010, 2011, 2012, 2013.

Migración e integración de datos. Master in Business Intelligence. Universitat Oberta de Catalunya. Spring 2009, 2010, 2011, 2012, 2013.

Herramientas EIS/DSS. Master in Business Intelligence. Universitat Oberta de Catalunya. Spring 2009, 2010, 2011, 2012, 2013.

Trabajo Final de Master del SW Libre. Master del Software Libre. Universitat Oberta de Catalunya. Spring and fall 2009, 2010, 2011, 2012.

Professional Memberships

Member of IEEE- Institute of Electrical and Electronics Engineers

Organization of events

ICCV 2011 IEEE International Conference on Computer Vision

Catalan Conference in Artificial Intelligence 2004

Chair

HICV 2011 IEEE Workshop on Human Interaction on Computer Vision

Program Committee

- ICMI 2011 International Conference on Multimodal Interaction
- ICPRAM 2012 International Conference on Pattern Recognition Applications and Methods
- ICCV 2011 IEEE International Conference on Computer Vision
- HICV 2011 IEEE Workshop on Human Interaction on Computer Vision
- IEEE Computer Vision and Pattern Recognition (CVPR) 2011, 2012, 2013

- 11th Ibero-American Conference on AI 2008

Selected Media Coverage

- Emotion recognition in the in the TN News (TV3 national catalan TV) prime time:

<http://www.ccma.cat/tv3/alacarta/telenoticies/un-programa-informatic-desenvolupat-per-la-uoc-reconeix-les-emocions-humanes/video/5563729/>

- Emotion recognition in la Vanguardia journal:

<http://www.lavanguardia.com/vida/20151116/54438870152/investigadores-de-uoc-crean-un-sistema-informatico-que-detecta-las-emociones.html>

- Fundació Ramon Marull. Interview Segells Personals

<http://ajuntament.barcelona.cat/gabinetpostal/personals/david-masip/>

<https://vimeo.com/141710948>

- Media coverage of the publication (newspapers, Radio and TV): Mario Rojas Quiñones, David Masip, Alexander Todorov, Jordi Vitrià Marca. Automatic Prediction of Facial Trait Judgments: Appearance vs. Structural Models. PLOS One.6 - 8, pp. 1 - 12. PLOS, 14/07/2011.

<http://bcnpcl.wordpress.com/2011/08/31/new-plos-one-publication/>

- Facial Analysis in a public science divulgation Television program (TV3 national catalan TV):

QueQuiCom: <http://blogs.tv3.cat/quequicom.php?itemid=47597>

- Emotion Recognition in a public science divulgation Television program (TV2 national public Spanish TV): **tres14:** <http://www.rtve.es/television/20140918/cara/1013661>