

LAIA PUJOL-TOST

PRESENT AFFILIATION

Position: Senior Researcher	Address: Roc Boronat, 138
Institution: Universitat Pompeu Fabra Dept. d'Humanitats / ETIC	Tanger Building, D. 55.220 08018 Barcelona - Spain
Position: Research Associate	Address: The King's Manor
Institution: The University of York Dept. Of Archaeology	YO1 7EP York UK

EDUCATION

- 2006 **PhD in Prehistorical Archaeology** at the Autonomous University of Barcelona (UAB), under the supervision of Dr Paloma González-Marcén. Title: "Archaeology, museums and computers: semiotic approach to the use of VR for the dissemination of Archaeology in museums" (First class with distinction, European doctor). Available at: <http://www.tdx.cat/handle/10803/5515>.
- 2003 **DEA in Prehistorical Archaeology** at the UAB.
- 2002 **M. Phil. in Prehistorical Archaeology.** at the UAB, under the supervision of Dr Paloma González-Marcén. Title: "Archaeology and Virtual Reality: an approach through virtual reconstructions in museums" (First class with distinction).
- 1999 **PGCE in Didactics of the Social Sciences** at the UAB.
- 1997 **Maîtrise in Ethnology, Option Anthropology and Prehistory,** University of Bordeaux-AND, 1996-1997. Dissertation "Étude d'un assemblage lithique. La couche H2b du Moustier" (Mark: 17/20), under the supervision of Dr. Paola Villa.
- 1999 **BA in History** at the UAB (Mark: 3.2/4).

GRANTS, FELLOWSHIPS AND AWARDS

AWARDS

- 2014 **Accreditation as Tenured assistant professor** by the Catalan University Quality Assurance Agency (AQU).
- 2011 **Accreditation as Tenure-track lecturer** by the AQU.
- 2008 **Best full paper award** for the paper "Worth a thousand words? The usefulness of Immersive Virtual Reality for Learning in Cultural Heritage Settings" at the international conference Virtual Systems and Multimedia, VSMM08 (Limassol, Cyprus, November 20-26, 2008).
- 2005 **Young Researcher Award (TAE)** for the paper "Interactivity in Virtual and multimedia environments: a meeting point for education and ICT in archaeological museums", presented at VSMM International Conference, held in Ghent, October 3-7 2005.
- 1999 **Award for the Best Mark of the Degree of History 1999,** UAB.

GRANTS AND FELLOWSHIPS

- 2013 **Marie Curie IEF (PIEF-GA-2012-625537).** The proposal obtained 5/5 points.
- 2008 **Postdoctoral fellowship Beatriu de Pinós (BP07, A modality)** from the Catalan Government.

Grant “Batista and Roca” from the Catalan Government for research projects in the Social Sciences and the Humanities for the project “Understanding the virtual: integrated evaluation of ICT in CH museums” (2008PBR0005).

Fellowship for language, postgraduate and doctorate studies and research from the Spanish Foreign Affairs Ministry. Renounced.

Outgoing Research fellowship (BE08) from the Catalan Government. Renounced..

Marie Curie Early Reintegration Grant (FP7-PEOPLE-2007-2-2-ERG).

British Academy Visiting Fellowship.

2007 **Grant from the Greek General Secretariat of Research and Technology** (GGET).

2005 **Marie Curie Early Stage Research Training Fellowship**, 6th FP, CHIRON, Cultural Heritage Informatics Research Oriented Network (MEST-CT-2004-51439).

2004-2003 **Two Outgoing Grants** from the Catalan Government.

2001 **Fellowship for predoctoral studies FI/FIAP**, from the Catalan Government (2nd Research Plan of Catalonia 2001/2004).

2000-1999 **Two Archaeology Grants** from the Local Architectural Heritage Service of the Barcelona County Council.

1998 **Grant for collaboration with a university department** during last year of career from the Spanish Ministry of Culture and Education, DGICYT (PB 95-0632).

PREVIOUS RESEARCH POSITIONS

JUNE 2016- MAY 2014 Marie Curie Researcher at **Pompeu Fabra University** of Barcelona. Keywords: Archaeology, Virtual Reality, Cultural Presence.

MAR. 2014- AUG. 2011 Principal project officer at **The Acropolis Museum**. Keywords: museums, mobile technologies, digital storytelling.

MAY 2011- DEC. 2010 Principal researcher at **EUVE-Tecnalia Research Foundation**. Keywords: museums, cultural heritage, ICT.

OCT. 2010- NOV. 2008 Postdoctoral fellow at the Museology Lab of the **University of the Aegean**. Keywords: museums, evaluation, cultural heritage, ICT.

OCT-MAY 2008 British Academy visiting fellow at the Centre for Museology of the **University of Manchester**. Keywords: museology, ICT.

APR. 2008- NOV. 2007 Assistant researcher at the Centre for the Study of Archaeological and Prehistoric Heritage of the **Autonomous University of Barcelona**. Keywords: EU funded projects.

OCT. 2007- MAY 2005 Marie Curie predoctoral fellow at the Department of Cultural Technology and Communication of the **University of the Aegean**. Keywords: archaeology, museums, evaluation, ICT.

DEC. 2004- JAN. 2001 Predoctoral fellow at the Department of Prehistory of the **Autonomous University of Barcelona** Keywords: archaeology, museums, computational applications, virtual reality, websites.

JUN-MAR 2000 Assistant researcher at the Local Architectural Heritage Service of the **Barcelona County Council**. Keywords: archaeology, bronze age, chronology, pottery, statistical analysis.

SCIENTIFIC CONSULTANCIES AND MEMBERSHIPS

EXTERNAL EXPERT

- 2016 **ICT and CH workshop with actors of the cultural and SSH communities** (Luxembourg, May 19-20).
- 2014 **Horizon 2020 Expert Group Workshop "Towards a new Agenda for Cultural Heritage Research and Innovation"** (Brussels, Nov. 27).
- 2012- **External Expert** for the EU's **7th Framework Programme**.

JOURNAL EDITORIAL BOARD

- 2015- **Virtual Archaeology Review** (UPV).
Frontiers in Digital Humanities, section Digital Archaeology.
Digital Applications in Archaeology and Cultural Heritage (Elsevier).

CONFERENCE COMMITTEE

- 2016 **International Symposium on Evaluating Digital Cultural Resources** (Glasgow, Dec. 12-13).
- 2015 **Virtual Heritage Network** (VHN).
Digital Heritage (Sevilla, 28 Sept.-2 Oct).
- 2014 **EuroMed** (Limassol, Nov. 3-8).
CAA – GR (Rethymno, March 7-8, 2014).
- 2010 **CAA** (Granada, April 6-9).

SCIENTIFIC REVIEWER EDITING HOUSES

- 2015 **Ashgate Publishing**, Arts and Humanities Series.
- 2014 **Ashgate Publishing**, Arts and Humanities Series.

SCIENTIFIC REVIEWER-JOURNALS

- 2015 **Heritage & Society** (Maney).
IEEE Transactions on Emerging Topics in Computing (IEEE).
Journal on Computing and Cultural Heritage (ACM).
- 2014 **Heritage & Society** (Maney).
Journal on Computing and Cultural Heritage (ACM).
Museum and Society Journal (University of Leicester).
International Journal of Heritage Studies (Routledge).
- 2013 **Journal of Virtual Worlds Research**.
- 2011 **Catalan Journal of Communication and Cultural Studies** (Intellect).
- 2010 **Journal on Computing and Cultural Heritage** (ACM).

SCIENTIFIC REVIEWER-CONFERENCES

- 2016 **CAA** (Atlanta, March 14-16, 2017).
- 2015 **British HCI** (Lincoln, July 13-17).
- 2014 **CAA** (Siena, March 30-Apr. 3).
NODEM (Warsaw, Dec. 1-3).
NordiCHI (Helsinki, Oct. 26-30).
Arqueológica 2.0 (Ciudad Real, Oct. 15-17).
12th Eurographics Workshop on Graphics and Cultural Heritage (Darmstadt, Oct. 6-8).

- CAA (Paris, April 22-25, 2014).
- 2013 CAA (Beijing, April 12-16).
- 2012 CAA (Southampton, March 26-30).
NordiCHI (Copenhagen, October 14-17).
- 2011 CAA (Beijing, April 12-16).
- 2010 **Annual Meeting of the Theoretical Archaeology Group** (Bristol, December 17-19), published in British Archaeological Reports.
- 2009 **ACE**, International Conference on Advances in Computer Entertainment Technology (Athens, October 29-31).

ACADEMIC COMMITTEES

- 2014 **PhD dissertation**, “Estudio exploratorio sobre la interpretación didáctica del arte en el museo a través de tecnologías móviles”, by María Victoria López Benito, Department of Didactics of the Social Sciences, **University of Barcelona**.
- 2011 Two **Master Dissertations** at the School of Tourism of the University of Girona.

MEMBERSHIPS

- 2015 Association for Computer Machinery (**ACM**).
European Association of Archaeologists (**EAA**).
- 2012- **CAA Greece** Chapter.
- 2002- **CAA College**.

FUNDED PROJECTS

- 2016 Associate Researcher at Emotive Virtual Cultural Experiences through personalized storytelling – **EMOTIVE** (EU, H2020-SC6-CULT-COOP-8-2016, GA n. 727188).
Principal Researcher at Virtual Multimodal Museums – **ViMM** (EU, H2020-SC6-CULT-COOP-8-2016, GA n. 727107).
External scientific expert at **Innovarch**. (EU / Erasmus +).
- 2015 Member of the work team at “**Análisis evaluativo de aplicaciones de m-learning de carácter inclusivo en espacios patrimoniales**” (MINECO, EDU2014-52675-R).
Member of the work team at “**Arqueología del contacto cultural y del colonialismo español en las Islas Marianas (Pacífico occidental)**” (IPCE-Instituto del Patrimonio Cultural de España).
External scientific expert / User Group at **Magellan** (EU, FP7- FP7-ICT-2013-10, Grant Agreement 611526).
- 2014 External Scientific expert at **eCultValue** (EU, FP7-ICT-2011-8, Grant Agreement 601114).
Principal researcher at **LEAP**: LEarning of Archaeology through Presence (EU, FP7-PIEF-GA-2012-625537). **The proposal obtained 100/100 points**.
Scientific collaborator of the **Consolidated Research Grup of the UPF-University Institute Jaume Vicens Vives** (AGAUR, Ref. 2104 SGR 1193).
- 2014-2011 Principal project officer at **CHES**: Cultural Heritage Experiences through Socio-personal interaction and Storytelling (EU, FP7-ICT-2009-6, Grant Agreement 270198).
- 2011 Scientific external expert at **Zeitgeist-EXARC** (EU, Grundtvig Learning Partnership, contract n. 2010-1-NL1-GRU06-02826).
- 2010 Scientific collaborator at **MIDARC**: Microstructure, identity and social behaviour.

- Reinterpretation of the archaeological evidence of argaric societies (Catalan Government, SGR835).
- 2009-2008 International coordinator at “**Understanding the virtual: integrated evaluation of ICT in CH museums**” (Catalan Government, 2008PBR0005).
- 2008 Scientific collaborator at “**Settlement and living ways during the late Pleistocene and the Holocene in the Eastern Pyrenees**” (Spanish Ministry of Education and Science, HAR2010-15002).
- 2008-2007 Coordinator of the initial project proposal at “**La route des origines**” (UE-FEDER).
- 2007 Scientific collaborator at **ARACNE** (Spanish General Directorate of Science and Technology, PB-HUM2004-05067-C02/HIST).
- 2007-2005 Predoctoral researcher under **CHIRON: Cultural Heritage Informatics Research Oriented Network** (UE, MEST-CT-2004-514539).
- 2005 Scientific collaborator at “**Material Culture and Archaeology of behaviour**” (Catalan Government, 2005SGR00057).
- 2004 Scientific collaborator at “Change or continuity en the organization of subsistence during the late Pleistocene and the Holocene in the Western Pyrenees” (Spanish Ministry of Education and Science, HUM2004-01691).
- Scientific collaborator at “**Woman Models: Theories, methodologies and debates about women's representation in Western culture**” (Catalan Woman Institute, U-49/04).
- 2003-1997 Predoctoral researcher under “**Teaching archaeology at school levels**” (Barcelona County Council).
- 1998 Assistant researcher at “**The management of life and death in the balearic communities ca 2000-2200 cal ane. A socio-archaeological analysis of the social distance: social asymetries and gender differences**” (Spanish General Directorate of Science and Technology, PB 95-0632).

PUBLICATIONS

SCIENTIFIC JOURNALS

- 2016 Sylaiou, S., Mania, K., Paliokas, I., Pujol, L., Kilintzis, V., Liarokapis, F. (forthcoming), “Exploring the educational impact of diverse technologies in online Virtual Museums”, *International Journal of Arts and Technology*: <http://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijart>.
- 2012 Pujol, L. and Champion, E. (2012), "Evaluating Presence in Cultural Heritage Projects", *International Journal of Heritage Studies*, 18 (1): 83-102.
- 2011 Pujol, L. (2011), “Realism in Virtual Reality applications for Cultural Heritage”, *International Journal of Virtual Reality*, 10 (3): 41-49.
- Pujol, L. (2011), “Integrating ICT in exhibitions”, *Museum Management and Curatorship*, 26 (1): 63-79. Taylor and Francis.
- Pujol, L., Busanya, A. and González, P., (2011), “The use of IST applications in Catalan museums: a first comparative evaluation carried out at the Museum–Monastery of Sant Cugat del Vallès”, *Catalan Journal of Communication and Cultural Studies*, 3 (1): 21-44.
- 2010 Pujol, L. (2010), “Comprender lo virtual: conclusiones of un estudio evaluativo sobre reconstrucciones virtuales en los museos arqueológicos”, *Virtual Archaeology Review*, 1 (1): 139-143. On-line resource: <http://www.arqueologiavirtual.com/var/num1.swf>.
- 2009 Economou, M. and Pujol, L. (2009), “Evaluating the effectiveness of new technologies in cultural heritage settings: lessons from three case studies in Italy, Belgium and Greece”,

Tetradia Museiologias, 6: 37-45 (in Greek).

Pujol, L. and Economou, M. (2009). "Worth a thousand words? The Usefulness of Immersive Virtual Reality for Learning in Cultural Heritage Settings". *International Journal of Architectural Computing*, 7 (1): 157-176.

- 2007 Pujol, L. and Economou, M. (2007). "Exploring the suitability of Virtual Reality interactivity for exhibitions through an integrated evaluation: the case of the Ename Museum". *Online International Museology Journal*, 4: 84-97. Department of Cultural Technology and Communication, University of the Aegean: <http://museology.ct.aegean.gr/articles/2007125113247.pdf>

BOOKS

- 2012 Acropolis Museum (2012), "**Guía breve**". Scientific revision of the Spanish translation.
- 2006 González Marcén, P. and Pujol, L. (2006), "Aprender en el ciberespai: nous mitjans per la interpretació and la didàctica del Patrimoni". **Proceedings of the 6th Seminar Archaeology and Education**. Treballs d'Arqueologia, 12. CEPAP, UAB.

BOOK CHAPTERS

- 2011 Economou, M. and Pujol, L. (2011), *Evaluating the use of virtual reality and multimedia applications for presenting the past*. In Styliaras G. D., Koukopoulos, D and Lazarinis F. (Eds.), "**Handbook of Research on Technologies and Cultural Heritage: Applications and Environments**". IGI Global, New York: 223-239.
- 2009 Carreras, C. and Pujol, L. (2009), "*Métodos de evaluación*". A Carreras, C. (coord.) "**Evaluación ICT en el patrimonio cultural: metodologías y estudio de casos**". Editorial UOC, Barcelona: 201-220.
- Pujol, L. and Economou, M. (2009), "*Evaluación de la exposición Imaginar Roma Antigua*". A Carreras, C. (coord.) "**Evaluación ICT en el patrimonio cultural: metodologías y estudio de casos**". Editorial UOC, Barcelona: recurs on line a http://www.editorialuoc.cat/extra_content/978-84-9788-011-4/estudios_of_casos.pdf.
- Pujol, L. and Economou, M. (2009), "*Evaluación en el museo arqueológico provincial of Ename*". A Carreras, C. (coord.) "**Evaluación ICT en el patrimonio cultural: metodologías y estudio de casos**". Editorial UOC, Barcelona: recurs on line a http://www.editorialuoc.cat/extra_content/978-84-9788-011-4/estudios_of_casos.pdf.
- Pujol, L. and Economou, M. (2009), "*Evaluación en el Hellenic Cosmos*". A Carreras, C. (coord.) "**Evaluación ICT en el patrimonio cultural: metodologías y estudio de casos**". Editorial UOC, Barcelona: 221-250.
- 2007 Economou, M. and Pujol, L. (2007), "*Evaluating the Impact of New Technologies on Cultural Heritage Visitors*". A McLoughlin, J. Kaminski, J. and Sodagar, B. (Eds.) "**Technology strategy, management and socio economic impact**". Heritage Management Series, vol. 2. Budapest, Epoch / Archaeolingua: 109-121.
- Economou, M. and Pujol, L. (2007), "*Educational tool or expensive toy? Evaluating VR evaluation and its relevance for Virtual Heritage*". A Kalay, Y., Kvan, Th. and Affleck, J. (Eds.) "**New Heritage. New media and cultural heritage**". Oxon, Routledge: 242-260.
- Pujol, L. (2007), "*Archaeology, museums and Virtual Reality: A semiotic approach to the use of VR for the presentation of archaeology in museums*". A Hermon, S. and Niccolucci, F. (Eds.) "**Communicating Cultural Heritage in the 21st Century. The Chiron Project and its research opportunities**". Budapest, Epoch Publications: 62-78.

CONFERENCE PROCEEDINGS

- 2016 Pujol, L. (forthcoming), "Being there and then. Cultural Presence for archaeological virtual environments", Proceedings of the **EuroVR** International Conference-Poster Section (Athens, November 22-24), EuroVR.
- Antoniou, A., Katifori, A., Roussou, M., Vayanou, M., Karvounis, M., Pujol, L. (2016), "Capturing the Visitor Profile for a Personalized Mobile Museum Experience: an Indirect Approach". In 1st International Workshop on Human Aspects in Adaptive and Personalized Interactive Environments-HAAPIE 2016, in conjunction with 24th Conference on User Modeling, Adaptation and Personalization-**UMAP 2016** (Halifax, Canada, 13-17 July 2016), ACM.
- Katifori, A., Kourtis, V., Perry, S., Pujol, L., Vayanou, M., Chrysanthi, A., Ioannidis, Y. (forthcoming), "Cultivating mobile-mediated social interaction in the museum. Towards group-based digital storytelling experiences". A Proceedings of the annual conference **Museums & the Web** (Los Angeles, April 6-9, 2016), Archives & Museums Informatics: <http://mw2016.museumsandtheweb.com/paper/cultivating-mobile-mediated-social-interaction-in-the-museum-towards-group-based-digital-storytelling-experiences/>
- 2015 Roussou, M., Pujol, L., Katifori, A., Chrysanthi, A., Perry, S. and Vayanou, M. (2015), The Museum as Digital Storyteller: collaborative participatory creation of interactive digital experiences. In Proceedings of the Annual Conference of **Museums and the Web** (Chicago, April 8-11, 2015). Archives & Museums Informatics.
- 2014 Vayanou, M., Katifori, A., Karvounis, M., Kourtis, V., Kyriakidi, M., Roussou, M., Tsangaris, M., Ioannidis, Y., Balet, O., Prados, T., Keil, J., Engelke, T., and Pujol, L. (2014). Authoring Personalized Interactive Museum Stories. In A. Mitchell (Ed.), The Seventh International Conference on Interactive Digital Storytelling (**ICIDS 2014**), LNCS 8832 (pp. 232–235). Springer International Publishing Switzerland.
- Pujol, L. (forthcoming), "LEAP: Una nueva propuesta teórico-metodológica para la Arqueología Virtual", In **Arqueológica 2.0** (Ciudad Real, Oct. 15-17).
- Keil, J., Engelke, T., Schmitt, M., Bockholt, U. and Pujol, L. (2014), "Lean In or Lean Back? Aspects on Interactivity & Mediation in Handheld Augmented Reality in the Museum", In Klein, R. et al. (Eds), **12th Eurographics Workshop on Graphics and Cultural Heritage** (GCH 2014). Short Papers & Posters. Eurographics: <http://diglib.org/handle/10.2312/gch.20141319.017-020>.
- Pujol, L. (2014), "The LEAP Project: a New Approach to the (Re)Presentation of the Past by Means of Virtual Reality", In Klein, R. et al. (Eds), **12th Eurographics Workshop on Graphics and Cultural Heritage** (GCH 2014). Short Papers & Posters. Eurographics: <http://diglib.org/handle/10.2312/gch.20141325.037-038>.
- Vayanou, M., Katifori, A., Karvounis, M., Kyriakidi, M., Roussou, M., Tsakgaris, M., Boile, M., Ioannidis, G., and Pujol, L. (forthcoming), "The impact of interactive digital storytelling in cultural heritage sites", **International Digital Storytelling Conference: Digital Storytelling in times of crisis** (Athens, May 8-10, 2014).
- 2013 Keil, J, Pujol, L., Roussou, M., Engelke, T., Schmitt, M., Eleftheratou, S. (2013), "A digital look at physical museum exhibits. Designing personalized stories with handheld Augmented Reality in museums". In A. Addison, L. de Luca, S. Pescarin (Eds), Proceedings of the International Conference **Digital Heritage 2013** (Marseille, Oct 27-Nov 1).
- Pujol, L., Katifori, A., Vayanou, M., Roussou, M., Karvounis, M., Kyriakidi, M., Eleftheratou, S., and Ioannidis, I. (2013), "From personalization to adaptivity - Creating immersive visits through interactive digital storytelling at the Acropolis Museum", in **9th International Conference on Intelligent Environments IE'13** (Athens, July 16-19 2013). Workshop Museums as Intelligent Environments.
- Roussou, M., Katifori, A., Vayanou, M., Pujol, L., and Rennick-Egglestone, S. (2013), "A Life of Their Own: Museum Visitor Personas Penetrating the Design Lifecycle of a Mobile Experience", in **ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)**, (Paris,

Apr 27-May 2 2013), CHI Extended Abstracts: 547-552

Pujol, L. and Lorente-Gall, A. (2013), "The Virtual Museum: a quest for the standard definition". In G. Earl, T. Sly, A. Chrysanthi, P. Murrieta-Flores, C. Papadopoulos, I. Romanowska and D. Wheatley (Eds), *Archaeology in the Digital Era. Papers from the 40th Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), Southampton, 26-29 March 2012*. Amsterdam University Press, Amsterdam: 40-48 (<http://dare.uva.nl/cgi/arno/show.cgi?fid=516092>).

Pujol, L., Roussou, M., Poulou, S., Balet, O., Vayanou, M. and Ioannidis, I. (2013), "Personalizing interactive digital storytelling in archaeological museums: the CHESS project", G. Earl, T. Sly, A. Chrysanthi, P. Murrieta-Flores, C. Papadopoulos, I. Romanowska and D. Wheatley (Eds), *Archaeology in the Digital Era, Volume II. e-Papers from the 40th Annual Conference of Computer Applications and Quantitative Methods in Archaeology (CAA), Southampton, 26-29 March 2012*. Amsterdam University Press, Amsterdam: 77-90 (<http://dare.uva.nl/cgi/arno/show.cgi?fid=545855>).

- 2011 Pérez, A., Pujol, L., Sagasti, D., Sillaurren, S., Gómez of Segura, J. (2011), "SivinaRia 4D+1: an interactive web environment about the history of navigation in Bilbao", in Helin, K. and D'Cruz, M. (Ed.), *Joint Virtual Reality Conference of EuroVR and EGVE 2011. Current and Future Perspectives of Virtual Reality, Augmented Reality and Mixed Reality: Industrial and Poster Track, 20–21st September, 2011 Nottingham, UK. VTT, Finland*: 105-106.
- 2010 Pujol, L. (2010). "Virtual Reality as a Learning Tool for Archaeological Museums". Beyond the artefact. Digital interpretation of the past. *Proceedings of the International Conference Computer applications and quantitative methods in Archaeology, CAA 2004* (Prato, April 13-17 2004). Niccolucci, F. and Hermon, S. (Eds.). *Archaeolingua, Budapest*.
- 2009 Pujol, L. (2009), "Comprender lo virtual: conclusiones de un estudio evaluativo sobre reconstrucciones virtuales en los museos arqueológicos", *Actas del I Congreso Internacional de Arqueología e Informática Gráfica, Patrimonio e Innovación, Arqueológica 2.0* (Sevilla, 17-20 June 2009). SEAV, Sevilla: CD-ROM.
- 2008 Pujol, L. and Economou, M. (2008), "Worth a thousand words? The usefulness of Immersive Virtual Reality for Learning in Cultural Heritage Settings", *Proceedings of the 14th Conference on Virtual Systems and Multimedia, VSMM08* (20-26 October 2008). Ioannides, M., Addison, L., Georgopoulos, A. and Kalisperis, L. (Eds.). Full papers volume. VSMM: 287-295. **Obtained the Best research paper award.**
- Pujol, L. and Sureda, M. (2008), Vers une réalité virtuelle véritablement interactive. *Actes du Colloque Virtual Retrospect 2007* (14-16 Novembre 2007). Vergnieux, R. and Delevoie, C. (Eds.). Collection Archéovision, Vol. 3. Ausonius Editions, Bordeaux: 77-81.
- Pujol, L. (2008), "Does virtual archaeology exist?". Layers of perception. Advanced technological means to illuminate our past. *Proceedings of the 35th International Conference on Computer Applications and Quantitative Methods in Archaeology, CAA2007* (Berlin 2-6 April 2007). Posluschny, A., Lambert, K., Herzog, I. (Eds.) Rudolf Habelt GmbH, Bonn: 101-107.
- 2007 Pujol, L. and Champion, E. (2007), "A critical examination of presence applied to Cultural Heritage". *Proceedings of the 10th annual International workshop on Presence* (25-27 October 2007). Moreno, L. (Ed.), Starlab Barcelona S. L.: 245-256.
- 2006 Forte, M., Pescarin, S. and Pujol, L. (2006), "VR applications, new devices and museums: visitors feedback and learning. A preliminary report". The e-evolution of Information Technology in Cultural Heritage. Where Hi-Tech Touches the Past: Risks and Challenges for the 21st century. *Proceedings of the 7th International Symposium on Virtual reality, Archaeology and Cultural Heritage, VAST2006* (Nicossia, Oct. 30-Nov.4 2006). Short papers volume. Eurographics: 64-69.
- Pujol, L. and Economou, M. (2006), "Evaluating the Social Context of ICT Applications in

Museum Exhibitions". The e-evolution of Information Technology in Cultural Heritage. Where Hi-Tech Touches the Past: Risks and Challenges for the 21st century. **Proceedings of the 7th International Symposium on Virtual reality, Archaeology and Cultural Heritage**, VAST2006 (Nicosia, Oct. 30-Nov.4 2006). Full papers volume. Eurographics: 219-228.

Economou, M. and Pujol, L. (2006), "*Educational tool or expensive toy? Evaluating VR evaluation and its relevance for Virtual Heritage*". New Heritage: beyond verisimilitude. Conference on Cultural Heritage and New Media. **Proceedings of the New Heritage Conference** (Hong-Kong, March 13-14 2006). Kvan, T. and Kalay, Y. Hong Kong, Faculty of Architecture, University of Hong-Kong: 284-302.

2005 Pujol, L. (2005), "*Interactivity in Virtual and multimedia environments: a meeting point for education and ICT in archaeological museums*". Virtual Reality at work in the 21st century, **Proceedings of the Eleventh International Conference on Virtual Systems and Multimedia** (Ghent, October 3-7 2005). Thwaites, H. (Ed.). VSMM: 37-52. **Obtained the Young Researcher Award.**

2002 González-Marcén, P. and Pujol, L. (2002), "*The Educational Potential of Digitalized Archaeological Archives: the Edu365 project*". **Proceedings of the 30th International Conference on Computer Applications and quantitative methods in Archaeology** (Heraklion, Apr. 2-6, 2002). Poster.

González-Marcén, P. and Pujol, L. (2002), "Images of Archaeology in Catalonia". **Proceedings of the 30th International Conference on Computer Applications and quantitative methods in Archaeology** (Heraklion, Apr. 2-6, 2002). Poster.

DISSEMINATIVE JOURNALS & BLOGS

2016 Pujol, L. (2016), "Mixed Exhibits: The best of both worlds?", Blog Post at **Savage Minds. Notes and queries in Anthropology**. Guest Blogger Colleen Morgan. App. Jan 19, 2016: <http://savageminds.org/2016/01/19/mixed-exhibits-the-best-of-both-worlds/>

Pujol, L. (2016), "Pixel vs Pigment. The goal of Virtual Reality in Archaeology", Blog Post at **Savage Minds. Notes and queries in Anthropology**. Guest Blogger Colleen Morgan. App. Jan 11, 2016: <http://savageminds.org/2016/01/11/pixel-vs-pigment-the-goal-of-virtual-reality-in-archaeology/>

2014 Pujol, L. (2014), "Una historia para Natalie. Creación de experiencias móviles interactivas en el Museo de la Acrópolis de Atenas", **ICOM-España Digital**, Journal of the Spanish ICOM Committee (http://issuu.com/icom-ce_librovirtual/docs/icom-ce_digital_09).

2010 Pujol, L. (2010), "El arca del tesoro. El nuevo museo de la Acrópolis of Atenas", *Clio* 105(agost): 39-47.

Carreras, C. and Pujol, L. (2010), "La realidad virtual en el patrimonio cultural: la revolución latente", *G+C Revista de Gestión y Cultura*, 6 (juliol-agost).

2009 Pujol, L. (2009), "Safo de Lesbos, la décima musa griega", *Clio*, 97 (novembre): 36-47.

2007 Pujol, L. (2007). "Pour une théorie of la réalité virtuelle dans les musées d'archéologie". *Musées. Revue de la Société des Musées Québécois*, vol. 27 (2007): 8-17.

2004 Pujol, L. (2004). "Archaeology, museums and VR". *Digithum*, 6. UOC: on-line paper, <http://www.uoc.edu/humfil/articles/eng/pujol0304.html>.

2002 Pujol, L. (2002). "Museums d'Archaeology and ordinadors: les reconstruccions virtuals com a eina divulgativa". *GAUSAC*, 21 (Desembre): 27-45.

Pizarro, J., Pujol, L. and González Marcén, P. (2002). "Arqueologia i Ensenyament: recerca i difusió del patrimoni arqueològic des de la Universitat". *GAUSAC*, 21 (December): 97-102.

2000 Pujol, L. (2000). "La Arqueología excava en las nuevas tecnologías". *DigitalWare*, 6 (November): 52-58.

CONFERENCES AND SEMINARS

ORGANIZATION

- 2015 Co-chair of the **international workshop "Behind the pixel: practices and concepts in Virtual Archaeology"**. (UPF-IUHJV, Barcelona, Dec 14, 2015).
Co-chair of the session "Analogue/digital: productive tensions in materiality and archaeology", **Annual Conference of the EAA** (Glasgow, Sept. 5, 2015).
Chair of the "**[LEAP] Workshop: Cultural Presence in Archaeology: theory, modelling and evaluation**" (UPF-Barcelona, May 18, 2015).
- 2012 Member of the organizing committee of the **workshop "Designing interactive mobile experiences"**, at the international conference ECSITE (Toulouse, May 30, 2012).
- 2010 Member of the organizing committee of the **VIII Conference of VR applications, CARVI2010** (Vitoria, November 10-12, 2010).
- 2008 Chair of the **international round-table "Integrating ICT in Museums"** (Manchester Museum; Oct 6, 2008).
- 2007 Secretary of the **international workshop "The evaluation of ICT applications in Cultural Heritage: issues, methods and approaches"** (Mytilene; May 11-13, 2007).
- 2006 Chair of the **6th Seminar "Archaeology and Education"** (History Museum of Catalonia; Oct 26-28, 2006).
Collaboration in the organization of the **3rd International Conference of Museology, ICOM-AVICOM** annual conference (Mytilini; June 5-9, 2006).
- 2004 Collaboration in the organization of the **5th seminar "Archaeology and Education"** (History Museum of Catalonia; Nov 25-27, 2004).
Secretary of the **seminar "Techniques and methods in the contextualization of the archaeological record"** (UAB; Feb 12-14, 2004).
- 2002 Collaboration in the organization of the **4th seminar "Archaeology and Education"** (History Museum of Catalonia; Nov 14-16, 2002).
- 2001 Collaboration in the organization of the **seminar "Technology of the first hominids"** (UAB; Dec 18-20, 2001).
- 1998 Collaboration in the organization of the **2nd Seminar "Archaeology and Education"**. (UAB; Nov 12-14, 1998).
Collaboration in the organization of the international conference **Computer Applications in Archaeology, CAA 1998** (Barcelona, March 1998).

INVITED SPEECHES/LECTURES

- 2016 "Histoire de CHES. Du storytelling aux multiples dialogues dans l'espace culturel", **Annual Conference of the Société des Musées du Québec** (Gatineau-Canada, Oct. 4-6, 2016).
"Being there and then: introducing Cultural Presence in Archaeology", **York Heritage Research Seminars** (University of York, Feb. 23, 2016).
"Virtual Museums", invited lecture at the **Master in Cultural Management** (University of York, Feb. 23, 2016).
- 2015 "Round table: practical aspects of European projects", **Infoday on the H2020-WP2016-2017-, Societal Challenge 6**, organized by UAB, AGAUR, MINECO, and Spanish European Office (UAB, Nov. 5, 2015).
"Being there and then: introducing Cultural Presence in Archaeology", **CaSEs Seminars** (UPF,

- March 30, 2015).
- 2013 "Understanding the virtual: a middle term research project about the use and usefulness of ICT for museums", **International seminar on Heritage Dissemination Strategies Gatzea I**, organized by Diadrasis (Gatzea, Aug. 29-31).
"A story for Nikos. Authoring personalized interactive storytelling at the Acropolis Museum", at the workshop "Museum education today: synergies and innovations between formal and non-formal educational context", **1st International Conference on Reimagining Schooling** (Thessaloniki, Jun. 28-29).
- 2011 "The usefulness of ICT for Open Air Museums and Archaeological Sites" and "Evaluation Methodologies for archaeological museums and sites", at the **Grundtvig Learning Partnership Zeitgeist meeting**. (UAB, Feb. 3).
- 2009 "La Realidad Virtual en el museo, ¿instrumento didáctico o juguete caro? Directrices para el diseño of aplicaciones a partir of los estudios of público", al **VII Congreso de Aplicaciones de Realidad Virtual**, CARVI. (Vitoria, Jun. 9-10).
- 2007 "Pour une théorie of la Réalité Virtuelle dans les musées d'Archeologie", at the **Conference of the Société des Musées Québécois** (Montréal, Oct. 2-6).
- 2005 "Noves maneres d'explicar el passat. La Història and les ICT", at the **Besalú Seminar Series**. (Besalu, Apr. 21).

COMMUNICATIONS WITHOUT PUBLICATION / DEMOS

- 2016 Pujol, L. (2016), "Evaluating VR-mediated experiences: a Cultural Presence Questionnaire". International Symposium on Evaluating Digital Cultural Resources - EDCR 2016 (Glasgow, Dec. 12-13).
Pujol, L., Christopoulos, D. Sfyri, H. (2016), "ÇH3D: Take a run and let's {LEAP} into the past", demo presented at EuroVR (Athens, Nov. 22-24, 2016).
Pujol, L. (2016), "ÇH3D: Learning of Archaeology through Presence", demo presented at Archaeovirtual - 19th Mediterranean exchange of archaeological tourism (Paestum-Italy, Oct. 27-30, 2016).
Pujol, L. (2016), "Being there and then: introducing Cultural Presence in Virtual Archaeology", DigiTAG Session at CAA International Conference (Oslo, March 29-Apr. 2, 2016).
- 2014 Katifori, A., Karvounis, M., Kourtis, V., Kyriakidi, M., Roussou, M., Tsangaris, M., Vayanou, M., Ioannidis, Y., Balet, O., Prados, T., Keil, J., Engelke, T., and Pujol, L. (2014), "CHES: Personalized Storytelling Experiences in Museums", In The Seventh International Conference on Interactive Digital Storytelling (**ICIDS 2014**), LNCS 8832 (pp. 232–235). Springer International Publishing Switzerland.
Balet, O., Collins, S., Chaffardon, K., Eleftheratou, S., Engelke, T., Ioannidis, G., Katifori, V., Keil, J., Kourtis, V., Prados, T., Pujol, L., and Roussou, M., "Innovation showcase of the CHES Project", **Innovation Convention** (Brussels, March 10-11, 2014) http://ec.europa.eu/research/innovation-union/ic2014/index_en.cfm?pg=showcase01.
- 2013 Keil, J., Pujol, L., Engelke, T., Sfyri, H., Pantermalis, D. (2013), "A Digital Life for Archaeological Objects. Interactive & Adaptive Storytelling with handheld Augmented Reality at the Acropolis Museum". Augmented Reality demo at the **Digital Heritage 2013** Conference (Marseille, Oct 31-Nov 1, 2013), <http://www.digitalheritage2013.org/acropolis-chess/>.
- 2012 International conference **ECSITE** (Toulouse, May 30, 2012). **Pre-conference workshop** "Designing interactive mobile experiences". Co-authors: Ilaria Valoti.
International conference **Museum Next 2012** (Barcelona 23-25 May 2012). Communication: "Seamlessly blending the off-site and on-site museum experience with the use of personalised digital mobile technologies". Co-authors: Roussou, M., Katifori, V., Dollis, N.,

- Chaffardon, C., Valoti, I., Rennick Egglestone, S., & Schnaedelbach, H..
- 2010 International conference **ICOHTEC/TICCIH/Worklab "Reusing the industrial past"** (Tampere, Aug 10-15 2010). Communication: "New Technologies in industrial museums: the example of the islands of the Aegean Sea". Co-author: Haris Papageorgiou.
- 2006 International conference **Computer Applications in Archaeology Conference** (Fargo, Apr 18-23 2006). Communication: "Evaluation of Virtual Reality applications in exhibitions", within the symposium "Technology Enhanced Cultural Heritage Knowledge", coordinated by Dr. Sorin Hermon.
- 2003 International conference **"Archaeology and Education" Conference** (York, Sept 12-14, 2003). Communication: "The activities of the Archaeology and Education Lab of the UAB". Co-authors: Paloma González Marcén.
- International conference **ICHIM03** (Paris; Sept 8-12, 2003). Virtual poster "Archéologie, Musées et Réalité Virtuelle".

TEACHING/TRAINING EXPERIENCE

SUPERVISED DISSERTATIONS

- 2013 Master dissertation "La imatge virtual del passat. Ús de la tecnologia 3D en la recerca i difusió de l'Arqueologia", by Mireia Romero, **Master in Archaeology**, School of Geography and History, University of Barcelona.
- 2012 Master dissertation "Proposta de disseny conceptual d'una aplicació per smartphones a la ciutatella de Roses", by Marta Padilla. **Master in Cultural Tourism**, School of Tourism, University of Girona.
- Master dissertation "BCNGuide i la Ruta del Modernisme de Barcelona: Guia i obtenció de dades mitjançant l'aplicació de la Realitat Augmentada", by Henar Plaza. **Master in Cultural Tourism**, School of Tourism, University of Girona.

TEACHING/TRAINING

- 2015 Training course **"3D modelling in Archaeology"** (Archaeological Service of the **Catalan Government**, Nov. 9 and 16, 2015).
- 2012-2010 **Lecturer** in "Tourism management of museums and collections", **European Master in Cultural Tourism**, University of Girona.
- 2010 **Consultant** for the lecture **"Archaeological Heritage Management and ICT"**, Specialization Course in Archaeological Heritage and ICT, Open University of Catalonia.
- 2009 **Design** of the contents for the e-lesson **"ICT in Archaeological Heritage Management"**, Course in Archaeological Heritage and ICT, Open University of Catalonia.
- 2008 "Integrating ICT in museums", invited lesson at the postgraduate **"Autumn Seminar Series"**, University of Manchester (October 29, 2008).
- "Evaluating ICT applications in museums", invited lesson at the postgraduate **"Monthly Seminar Series"**, International Centre for Cultural and Heritage Studies, University of Newcastle (October 16, 2008).
- 2006 "Introduction to the use of ICT in museums", **invited lesson** at the **Master in Cultural Informatics**, University of the Aegean (March 17, 2006).
- 2004 **Assistant lecturer** in **Prehistory I**, Degree in History, UAB.
- 2003 "The use of ICT in the didactics of the Historical Sciences", **invited lesson** at the **Doctorate in Didactics of the Social Sciences**, UAB (December 16, 2003).
- 2002 "The use of computational applications in archaeological research", **invited lessons** at the

lecture "Public Archaeology", Degree in History, UAB (November 13, 2002).

DISSEMINATION ACTIVITIES

- 2002 **Organisation of the Science Week**, CEPAP-UAB, University Autònoma of Barcelona, 8-17 of Novembre of 2002.
- 2005-2001 **Instructor at the Prehistory workshops for schools** and creation of online materials, CEPAP-UAB and BARcelona City Council.
- 1998 **Instructress at the Dordogne – Périgord stand (palaeolithic paintings)**, French Departmental Association of Cultural Development at the International Tourism Meeting, Barcelona.

COMPLEMENTARY INFORMATION

SPECIALIZED TRAINING

- 2015 **3D data acquisition and modelling with Autodesk Memento** (DH2015, Granada)
Developing Mixed Reality interactive applications for Cultural Heritage (DH2015-Granada).
- 2014 **Museums, Gamification, Storytelling and Transmedia Narrative** (FSE, Olot).
"Poster 2.0. Reinventing poster design" (CHNT, Vienna).
- 2008 **Basic statistical modelization** (Statistical Service, UAB).
Basic statistics (Statistical Service, UAB).
- 2001 **Website design** (Polytechnic Foundation of Catalonia).
Design of interactive graphic environments (Polytechnic Foundation of Catalonia).
- 1999 **"Restauration of Monuments and intervention in historical centres"** (Barcelona Local Heritage Service).
"Experimentation in Archaeology" (UAB).
- 1995 **"Introduction to the Ancient Near East literatures"** (UAB).
"Cultural change and human evolution" (Universitat Rovira i Virgili).

RESEARCH RESIDENCIES

- OCT. 2010-NOV. 2008 **Museology Lab**, University of the Aegean (Marie Curie postdoctoral).
- OCT-MAY 2008 **Centre for Museology**, The University of Manchester (visiting fellow).
- OCT. 2007- MAY 2005 **Department of Cultural Technology and Communication**, University of the Aegean (Marie Curie predoctoral).
- SEPT. 2006 **Ename Centre** (case study).
- NOV. 2005 **Virtual Heritage Lab**, ITABC-CNR (case study).
- NOV. 2004 **Institute of Archaeology**, University College of London (predoctoral).
- NOV. 2003 **Virtual Heritage Lab**, ITABC-CNR (predoctoral).

LANGUAGE SKILLS

I am bilingual in **Catalan** (mother tongue) and **Spanish**; fluent in **French** and **English**; and proficient in **Modern Greek**. I have conversant level in **Italian** and Basic Level in **German**.