

c v n CURRÍCULUM VITAE NORMALIZADO



Juan Antonio Barceló Alvarez

Date of document: 17/11/2011

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Juan Antonio Barceló Alvarez

Surname(s): **Barceló Alvarez**
Name: **Juan Antonio**
Spanish ID number: **46116634R**
Date of birth: **03/10/1961**
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Current professional situation only if working (not if unemployed)

Name of the entity: Universitat Autònoma de Barcelona
Type of body: University
Department, Service,...: Department of Prehistory (From 01/06/2004) , Humanities Faculty
Category / Title of position or responsibility: Permanent member of staff, university
Start date: 01/12/1992
Modality of the contract: Civil servant
Type of dedication: Full time
Main specialisation (UNESCO code): 110100 - Application of logic; 120300 - Computer Sciences; 550400 - History by epochs; 550500 - Sciences auxiliary to history; 120900 - Statistics

Positions held before current job

	Name of the entity	Category / position or responsibility	Start date
1	Universitat Autònoma de Barcelona	Profesor Ayudante de Fac.	01/01/1993
2	Universitat Autònoma de Barcelona	Profesor titular Interino	01/01/1992
3	Universitat Autònoma de Barcelona	Becario Postdoctoral (MEC)	01/01/1991
4	Centre National de Recherche Scientifique	Becario Postdoctoral (MEC)	01/01/1989
5	Universitat Autònoma de Barcelona	Becario FPI por el MEC	01/01/1986
6	Museo Arqueológico de Barcelona	Colaborador Científico	01/01/1984

- 1** **Name of the entity:** Universitat Autònoma de Barcelona
Category / position or responsibility: Profesor Ayudante de Fac.
Start date: 01/01/1993 , 3 years - 11 months - 22 days
- 2** **Name of the entity:** Universitat Autònoma de Barcelona
Category / position or responsibility: Profesor titular Interino
Start date: 01/01/1992 , 1 year
- 3** **Name of the entity:** Universitat Autònoma de Barcelona
Category / position or responsibility: Becario Postdoctoral (MEC)
Start date: 01/01/1991 , 11 months - 24 days

**C****V****n**

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- 4** **Name of the entity:** Centre National de Recherche Scientifique
Category / position or responsibility: Becario Postdoctoral (MEC)
Start date: 01/01/1989 , 1 year - 11 months - 23 days
- 5** **Name of the entity:** Universitat Autònoma de Barcelona
Category / position or responsibility: Becario FPI por el MEC
Start date: 01/01/1986 , 2 years - 11 months - 23 days
- 6** **Name of the entity:** Museo Arqueológico de Barcelona
Category / position or responsibility: Colaborador Científico
Start date: 01/01/1984 , 1 year - 11 months - 23 days

Training received

University education

Diplomas, degrees and engineering degrees

- 1** **Name of qualification:** Museologia
Entity issuing the qualification: Generalitat de Catalunya
Date of qualification: 01/09/1988
- 2** **Name of qualification:** Filosofía y Letras
Entity issuing the qualification: Universitat Autònoma de Barcelona
Date of qualification: 01/07/1984

Doctorates

Doctorate: Filosofía y Letras
University issuing the title: Universitat Autònoma de Barcelona
Date of qualification: 01/07/1989

Language skills

Language	Speech	Reading	Writing
Catalan	Good	Good	Good
German	Good	Good	Sufficient
English	Good	Good	Good
French	Good	Good	Good
Italian	Good	Good	Fair
Portuguese	Fair	Good	Fair
Spanish	Good	Good	Good

Teaching experience

Directing of doctoral theses or final projects

- 1** **Title of:** DT, ECP, ASD: Análisis de mecanismos en el origen de la agricultura y la ganadería. mecanismos computacionales
Type of project: Research project
University: Universitat Autònoma de Barcelona
Doctorate student: Andrea Agourakis
Date of reading: 25/09/2011



- 2** **Title of:** DT, ECP, ASD: La instrumentalització del passat. la construcció de les identitats col·lectives dels Balcans centrals en la història de l'arqueologia sèrbia
Type of project: Doctoral thesis
University: Universitat Autònoma de Barcelona
Doctorate student: Igor Bogdanovic
Date of reading: 18/08/2011
- 3** **Title of:** DT, ECP, ASD: Cultural Heritage on the Semantic Web: from Representation to Fruition.
Type of project: Doctoral thesis
University: Università degli Studi di Milano-Bicocca
Doctorate student: Glauco Mantegari
Date of reading: 11/02/2010
- 4** **Title of:** DT, ECP, ASD: CUANTIFICACIÓN EN ARQUEOBOTÁNICA. UNA APROXIMACIÓN A LOS MÉTODOS CUANTITATIVOS DE ANÁLISIS EN PALINOLOGÍA, ANTRACOLOGÍA, CARPOLOGÍA
Type of project: Minor thesis
University: Universitat Autònoma de Barcelona
Doctorate student: Barbara Lapi
Date of reading: 30/09/2009
- 5** **Title of:** DT, ECP, ASD: Revisión crítica de los enfoques arqueológicos, históricos y etnográficos sobre la sociedad indígena patagónica durante el Período Postconquista (XVI-XVIII).
Type of project: Research project
University: Universitat Autònoma de Barcelona
Doctorate student: Maria Florencia del Castillo Bernal
Date of reading: 02/09/2008
- 6** **Title of:** DT, ECP, ASD: Teoría geoestadística aplicada al análisis de la variabilidad espacial arqueológica intra-site
Type of project: Doctoral thesis
University: Universitat Autònoma de Barcelona
Doctorate student: Alfredo Maximiano Castillejo
Date of reading: 29/01/2008
- 7** **Title of:** DT, ECP, ASD: Quantificació de traces d'ús en instruments lítics mitjançant imatges digitalitzades: Resultats d'experiments amb Xarxes Neurals i Estadística
Type of project: Doctoral thesis
University: Universitat Autònoma de Barcelona
Doctorate student: Jordi Pijoan López
Date of reading: 09/11/2007
- 8** **Title of:** DT, ECP, ASD: Métodos geocomputacionales aplicados al análisis espacial en arqueología
Type of project: Minor thesis
University: Universitat Autònoma de Barcelona
Doctorate student: Alfredo Miguel Maximiano Castillejo
Date of reading: 13/09/2005
- 9** **Title of:** DT, ECP, ASD: La aplicación de las nuevas tecnologías de visión computacional en el registro y modelización de yacimientos arqueológicos
Type of project: Minor thesis
University: Universitat Autònoma de Barcelona



Doctorate student: Josep Oriol Vicente Campos

Date of reading: 06/09/2005

10 Title of: DT, ECP, ASD: Internet, el conocimiento distribuido y la resolución del problema arqueológico

Type of project: Minor thesis

University: Universitat Autònoma de Barcelona

Doctorate student: Igor Bogdanovic

Date of reading: 17/09/2002

11 Title of: DT, ECP, ASD: Técnicas de simulació de Realitat Virtual aplicades a l'anàlisi dels processos de formació de jaciments arqueològics

Type of project: Minor thesis

University: Universitat Autònoma de Barcelona

Doctorate student: David Travet

Date of reading: 28/09/2001

12 Title of: DT, ECP, ASD: Técnicas de visualització assistida per ordinador per l'anàlisi de traces d'us

Type of project: Minor thesis

University: Universitat Autònoma de Barcelona

Doctorate student: Jordi Pijoan López

Date of reading: 29/09/2000

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:** Simulación Computacional de Procesos Históricos
Body where project took place: Centro nacional patagónico (Argentina)
Head(s) researcher(s): Juan A. Barceló
Number of participating researchers: 1
Funding body or bodies: Ministerio de Educación. Subdirección general Universidades
Start date: 01/03/2011 , 2 months - 29 days
Total amount: 9.700
- 2 Name of the project:** PADICAT. Patrimoni Arqueològic Digital de Catalunya.
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Juan Antonio Barceló Alvarez
Number of participating researchers: 2
Funding body or bodies: ACUP`
Start date: 01/01/2011 , 2 years - 11 months - 22 days
Total amount: 74.392,6
- 3 Name of the project:** Social and environmental transitions: Simulating the past to understand human behaviour, G6
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Juan Antonio Barceló Alvarez



Number of participating researchers: 1
Funding body or bodies: Ministerio de Ciencia e Innovación
Start date: 01/12/2010 , 5 years - 26 days
Total amount: 233.009,7

4 **Name of the project:** Experimentación y desarrollo de técnicas avanzadas de inteligencia artificial para la simulación computacional de la dinámica social y la evolución histórica.
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Juan Antonio Barceló Alvarez
Number of participating researchers: 5
Funding body or bodies: Ministerio de Ciencia e Innovación
Start date: 01/01/2010 , 2 years - 11 months - 22 days
Total amount: 72.600

5 **Name of the project:** AGREST, arqueologia de la gestió dels recursos socials i territori
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Raquel Piqué Huerta
Number of participating researchers: 24
Funding body or bodies: Departament d'Universitats, Recerca i Societat de la Informació
Start date: 01/10/2009 , 4 years - 2 months - 26 days
Total amount: 39.200

6 **Name of the project:** Dinámica y Fenómenos Colectivos en sistemas sociales
Body where project took place: Consejo Superior de Investigaciones Científicas
Head(s) researcher(s): Angel Sánchez Sánchez
Number of participating researchers: 20
Funding body or bodies: Ministerio de Ciencia e Innovación
Start date: 01/10/2008 , 1 year - 2 months - 28 days
Total amount: 12.000

7 **Name of the project:** Noves Tecnologies per a la Arqueologia de Patagònia
Body where project took place: CENTRO NACIONAL PATAGONICO
Head(s) researcher(s): Juan Antonio Barceló Alvarez
Number of participating researchers: 5
Funding body or bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca
Start date: 09/11/2007 , 1 month - 6 days
Total amount: 3.200

8 **Name of the project:** Origins and Spread of of Stock-keeping in the Near East and Europe
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Maria Saña Seguí
Number of participating researchers: 8
Funding body or bodies: Departament d'Universitats, Recerca i Societat de la Informació
Start date: 27/06/2007 , 1 year
Total amount: 10.000

9 **Name of the project:** Arqueología de Patagonia
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Juan Antonio Barceló Alvarez
Number of participating researchers: 8
Funding body or bodies: Ministerio de Educación y Ciencia

Start date: 03/10/2006 , 2 years - 2 months - 26 days

Total amount: 6.000

10 Name of the project: El uso de técnicas geocomputacionales y geoestadísticas en Arqueología Espacial.

Una contrastación etnoarqueológica de sus posibilidades analíticas

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 9

Funding body or bodies: Ministerio de Educación y Ciencia

Start date: 01/10/2006 , 2 years - 11 months - 21 days

Total amount: 18.513

11 Name of the project: Estudi de la variabilitat en el consum de recursos litorals i aquàtics des d'una perspectiva arqueològica

Body where project took place: Institució Milà i Fontanals (CSIC)

Head(s) researcher(s): Assumpció Vila i Mitja

Number of participating researchers: 8

Funding body or bodies: Generalitat de Catalunya (AGAUR)

Start date: 01/10/2006 , 2 years - 2 months - 28 days

Total amount: 30.000

12 Name of the project: Social Archaeology of America Research Group

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Jordi Estévez Escalera

Number of participating researchers: 10

Funding body or bodies: Universitat Autònoma de Barcelona

Start date: 03/03/2006 , 4 years - 11 months - 21 days

Total amount: 0

13 Name of the project: Arqueologia de la gestió dels recursos litorals (AGREL)

Head(s) researcher(s): Vila Mitjà, Assumpció (CSIC)

Number of participating researchers: 0

Funding body or bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca

Start date: 18/10/2005 , 1 year - 2 months - 11 days

Total amount: 38.600

14 Name of the project: Arqueologia de cazadores-recolectores en Patagonia-Tierra del Fuego (Sudamérica)

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 7

Funding body or bodies: Universitat Autònoma de Barcelona

Start date: 28/05/2005 , 1 year - 11 months - 23 days

Total amount: 6.000

15 Name of the project: European Research Network on Excellence in Processing Open Cultural Heritage (EPOCH)

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Funding body or bodies: Commission of the European Communities

Start date: 15/03/2004 , 3 years - 11 months - 21 days



Total amount: 0

- 16 Name of the project:** Ayuda para el viaje y alojamiento en la ciudad de Viena (Austria) para la constitución del grupo de trabajo que ha presentado la Red de Excelencia ITEACH/TECHNE en el VI Programa Marco dentro de las Áreas prioritarias 1.1.2 y 1.1.2.iv, 1.1.7.ii

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Funding body or bodies: Comissió Interdepartamental de Recerca i Innovació Tecnològica (CIRIT); Universitat Autònoma de Barcelona

Start date: 07/04/2003 , 6 days

Total amount: 600

- 17 Name of the project:** Determinació de les causes de la variabilitat del registre arqueològic en societats caçadores-recol·lectores a través d'un exemple etnoarqueològic

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Jordi Estévez Escalera

Number of participating researchers: 6

Funding body or bodies: Ministerio de Ciencia y Tecnología

Start date: 01/12/2002 , 2 years - 11 months - 23 days

Total amount: 17.100

- 18 Name of the project:** Incorporation of the investigative professor visitor: Jose Maria López Mazz

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Funding body or bodies: Departament d'Universitats, Recerca i Societat de la Informació

Start date: 19/02/2002 , 3 months - 28 days

Total amount: 10.397,51

- 19 Name of the project:** Utilización de tecnologías computacionales y de realidad virtual en las excavaciones arqueológicas

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Funding body or bodies: Departament d'Universitats, Recerca i Societat de la Informació

Start date: 01/02/2002 , 1 month - 29 days

Total amount: 4.477,55

- 20 Name of the project:** Cámara de vídeo digital, teodolito electrónico-estación total, estación de trabajo gráfico, software topográfico y fotogramétrico, microscopio de luz, vehículo laboratorio (unidad móvil)

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Funding body or bodies: DURSI3

Start date: 26/11/2001 , 1 year - 1 month - 4 days

Total amount: 30.050,61

- 21 Name of the project:** Ayuda complementaria al proyecto "Visualización asistida por ordenador y clasificación automática de materiales arqueológicos".(PS.PG.C-PB98-0888).

Body where project took place: Universitat Autònoma de Barcelona

Head(s) researcher(s): Jordi Estévez Escalera
Number of participating researchers: 5
Funding body or bodies: Ministerio de Ciencia y Tecnología
Start date: 01/01/1999 , 1 year - 11 months - 23 days
Total amount: 9.015,18

22 **Name of the project:** Cambios en la línea de costa y poblamiento litoral en la Costa Caribe de Nicaragua
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Jordi Estévez Escalera
Number of participating researchers: 4
Funding body or bodies: Ministerio de Educación y Cultura
Start date: 01/01/1999 , 11 months - 23 days
Total amount: 6.010,12

23 **Name of the project:** Canvis de la línia de costa i poblament litoral de la Costa Carib de Nicaragua
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Jordi Estévez Escalera
Number of participating researchers: 2
Funding body or bodies: Agencia Española de Cooperación Internacional
Start date: 11/12/1998 , 11 months - 23 days
Total amount: 6.010,12

24 **Name of the project:** Aplicación de Técnicas de inteligencia artificial a la optimización de la determinación del uso en instrumentos líticos arqueológicos
Body where project took place: Consejo Superior de Investigaciones Científicas
Head(s) researcher(s): Vila, A. (CSIC)
Number of participating researchers: 3
Funding body or bodies: Dirección General de Investigación Científica y Técnica (DGICYT)
Start date: 01/01/1998 , 2 years - 11 months - 23 days
Total amount: 500

25 **Name of the project:** Valorisation des patrimoines en Europe - VAPEUR
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Juan Antonio Barceló Alvarez
Number of participating researchers: 1
Funding body or bodies: Commission of the European Communities
Start date: 02/12/1997 , 11 months - 23 days
Total amount: 2.550

26 **Name of the project:** Society, Technology and Environment in the Euphrates Bassin (From the 9th to the 7th Millenium BP). Causes and Consequences in the Origins of Production Economy
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Miguel Molist Montaña
Number of participating researchers: 7
Funding body or bodies: Dirección General de Enseñanza Superior e Investigación Científica
Start date: 01/10/1997 , 2 years - 11 months - 23 days
Total amount: 10.217,21

27 **Name of the project:** Relacions home medi ambient en el Neolític: anàlisi de la Vall mitjana del riu Eúfrates
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Miguel Molist Montaña

Number of participating researchers: 4
Funding body or bodies: Ministerio de Educación y Cultura
Start date: 01/01/1997 , 1 year - 11 months - 22 days
Total amount: 4.086,88

28 **Name of the project:** Origins and consolidation of agriculture and livestock in the near East. A study of the prehistoric and protohistoric site of Tell Halula (Eufrates Valley, Syria)
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): Miguel Molist Montaña
Number of participating researchers: 5
Funding body or bodies: Dirección General de Investigación Científica y Técnica (DGICYT)
Start date: 08/07/1994 , 2 years - 11 months - 23 days
Total amount: 45.977,43

29 **Name of the project:** Economías coloniales y degradación ecológica. Análisis del comercio colonial en el área mediterránea y su impacto medioambiental
Head(s) researcher(s): Aubet Semmler, M.E.
Number of participating researchers: 0
Funding body or bodies: Dirección General de Investigación Científica y Técnica (DGICYT)
Start date: 01/01/1994 , 4 years - 11 months - 20 days
Total amount: 0

30 **Name of the project:** Colonial trade in the Mediterranean area (8th-6th c.BC)
Body where project took place: Universitat Autònoma de Barcelona
Head(s) researcher(s): M. Eugènia Aubet Semmler
Number of participating researchers: 3
Funding body or bodies: Dirección General de Investigación Científica y Técnica (DGICYT)
Start date: 26/09/1991 , 2 years - 11 months - 23 days
Total amount: 48.080,97

31 **Name of the project:** Proyecto Gladius: Programación de una base de datos inteligente en Arqueología
Head(s) researcher(s): Barcelo, J.A.
Number of participating researchers: 0
Funding body or bodies: Ministeri d'Educació i Ciència
Start date: 01/01/1991 , 1 year - 11 months - 23 days
Total amount: 0

32 **Name of the project:** Cambio cultural y mecanismos de transformación de la sociedad tartésica durante el Bronce Final y el orientalizante: los casos de Carmona, Setefilla y Carambolo
Head(s) researcher(s): Aubet Semmler, Maria Eugenia
Number of participating researchers: 0
Funding body or bodies: Dirección General de Bienes Culturales de la Junta de Andalucía
Start date: 01/01/1991 , 2 years - 11 months - 22 days
Total amount: 0

33 **Name of the project:** Aplicaciones de la inteligencia artificial en la clasificación de las colecciones arqueológicas de los museos españoles
Head(s) researcher(s): Barcelo, J.A.
Number of participating researchers: 0
Funding body or bodies: Ministeri d'Educació i Ciència
Start date: 01/01/1989 , 2 years - 11 months - 21 days

Total amount: 0

34 Name of the project: Techniques informatiques d'apprentissage symbolique en archeologie

Head(s) researcher(s): Lagrange, Marie Salome

Number of participating researchers: 0

Funding body or bodies: Centre National de la Recherche Scientifique

Start date: 01/01/1987 , 3 years - 11 months - 21 days

Total amount: 0

35 Name of the project: Programation d'un systeme expert sur l'origine de l'etat

Head(s) researcher(s): Francfort, Henri Paul

Number of participating researchers: 0

Funding body or bodies: Centre National de la Recherche Scientifique

Start date: 01/01/1987 , 3 years - 11 months - 21 days

Total amount: 0

36 Name of the project: Morfometría de la cara interna del hueso occipital en fósiles humanos

Head(s) researcher(s): Domingo Campillo

Number of participating researchers: 0

Funding body or bodies: Comisión Interministerial de Ciencia y Tecnología (CICYT)

Start date: 01/01/1982 , 2 years - 11 months - 22 days

Total amount: 0

37 Name of the project: Progetto di recognizione sistematica del territorio de Roma della preistoria e della protostoria

Head(s) researcher(s): Bietti Sestieri, Ana Maria

Number of participating researchers: 0

Funding body or bodies: Soprintendenza archeologia di Roma

Start date: 01/01/1982 , 3 years - 11 months - 21 days

Total amount: 0

Participation in R&D&I contracts, agreements or projects, not the result of competitive bidding, with companies (or internally in them) and/or governments

1 Name of the project: Creació de una base de dades per a les Datacions Absolutes de Catalunya que es pugui gestionar via Internet

Your role in the project: Researcher

Head researcher: Juan Antonio Barceló Alvarez

Number of participating researchers: 0

Participating bodies: Universitat Autònoma de Barcelona

Funding body: Museo de Arqueología de Catalunya

Start date: 01/09/2008 , 3 months - 28 days

Total amount: 3.699

2 Name of the project: European research network on excellence in processing open cultural heritage (EPOCH)

Head researcher: Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Participating bodies: Universitat Autònoma de Barcelona

Funding body: European Union



Start date: 16/03/2004 , 3 years - 11 months - 20 days

Total amount: 0,01

- 3 Name of the project:** Realització d'un guió-estudi per a un curs europeu sobre el tema "La política y los comportamientos sociales; las raíces comunes europeas".

Head researcher: Juan Antonio Barceló Alvarez

Number of participating researchers: 1

Participating bodies: Universitat Autònoma de Barcelona

Funding body: Agrupació d'Aules de Formació per a la Gent Gran

Start date: 01/05/1999 , 1 year

Total amount: 0

Scientific Activities and General Techniques

Scientific production

Publications, Scientific and Technical Documents and any other publication

- 1** Barceló, J.A. Statistical Analysis. Oxford Companion of Archaeology. pp. - . (United Kingdom): Oxford University Press, 01/01/2012 .ISBN

Type of production: Chapters of books **Type of platform:** Book
- 2** Moutinho, V., Barceló, J.A., . Towards an Understanding of Archaeological Artefacts through reverse Engineering#. Scientific Computing & Cultural Heritage. pp. 20 - 25. (Germany): Heidelberg University, 01/01/2011 .ISBN

Type of production: Chapters of books **Type of platform:** Book
- 3** Barceló, J.A., Vicente, O., . ¿Qué hacer con un modelo arqueológico virtual? Aplicaciones de la inteligencia artificial en visualización científica". Virtual Archaeology Review .4, pp. 53 - 54. 01/01/2011 .ISSN EAW_61773

Type of production: Article **Type of platform:** Journal
- 4** Del Castillo, F., Barceló, J.A., Mameli, L. La arqueología patagónica y la reconstrucción de la historia indígena. Revista española de Antropología americana. 41 - 1, pp. 27 - 50. Universidad de Madrid. Departamento de Antropología y Etnología de América, 01/01/2011 .ISSN 0556-6533

Type of production: Article **Type of platform:** Journal
- 5** Barceló, J.A.; Del Castillo, F.; Mameli, L.; Moreno, E.; Saez, A. Patagonia: del Presente Etnográfico al Pasado Arqueológico. Revista de Arqueología Iberoamericana. 9 - 1, pp. 6 - 39. Pascual Izquierdo Egea, 01/01/2011 .ISSN 1989-4104

Type of production: Article **Type of platform:** Journal
- 6** Barceló, J.A. Visual Analysis in Archaeology. An Artificial Intelligence Approach .Morphometrics for nonmorphometricians. pp. 51 - 101. (Germany): Springer Verlag, 01/01/2010 .ISBN

Type of production: Chapters of books **Type of platform:** Book
- 7** Barceló, J.A. Computational Intelligence in Archaeology. State of the art. Making History Interactive. pp. 11 - 22. (United Kingdom): ArcheoPress, 01/01/2010 .ISBN

Type of production: Chapters of books **Type of platform:** Book

- 8** Barceló, J.A.; Cuesta, J.A.; del Castillo, F.; Galán, J.M.; Mameli, L., Miguel, F.; Santos, J. I.; Vilà, X. Patagonian Ethnogenesis: towards a computational simulation approach. Proceedings of the 3rd World Congress on Social Simulation WCSS2010 (CD-ROM). pp. 1 - 9. (Germany): Center for Environmental Systems Research, University of Kassel, 01/01/2010 .ISBN
Type of production: Chapters of books **Type of platform:** Book
- 9** Barceló, J.A.: From Computable Archaeology to Computational Intelligence. New Prospects for Archaeological Reasoning. Cyber-Archaeology .pp. 15 - 29. (United Kingdom): Archeopress, 01/01/2010 .ISBN
Type of production: Chapters of books **Type of platform:** Book
- 10** Barceló, J.A. Archaeological Theory, Techniques and Technology. beyond Quantification and Visualization methods. beyond the Artifact. Digital Interpretation of the Past. pp. 19 - 21. (Hungary): Archaeolingua, 01/01/2010 .ISBN
Type of production: Chapters of books **Type of platform:** Book
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- 92** Barceló, J.A. Algunas consideraciones acerca del fenómeno de las Estelas Antropomorfas del Mediterráneo Occidental: El caso ibérico. La Sardegna nel mediterraneo tra il Bronzo Medio e il Bronzo Recente (XVI-XIII sc. a.C.): atti del III Convegno di Studi Un Millenio di Relazioni tra la Sardegna e i Paesi del Mediterraneo. pp. 1 - 1. (Italy): Edizioni della Torre, 01/01/1992 .ISBN 8873432204
Type of production: Chapters of books **Type of platform:** Book
- 93** Barceló, J.A. Una interpretación socioeconómica del Bronce Final en el Sudoeste de la Península Ibérica. Trabajos de prehistoria. 0 - 49, pp. 259 - 276. Consejo Superior de Investigaciones Científicas, 01/01/1992 .ISSN 0082-5638
Type of production: Article **Type of platform:** Journal
- 94** Barceló, J.A. El uso de programas de inducción automática en Arqueología de cazadores-recolectores .ArcheoDiskodon. 0 - 0, pp. 1 - 1. - , 01/01/1992 .ISSN UAB-0889-A
Type of production: Article **Type of platform:** Journal
- 95** Barceló, J.A. Arqueología, Lógica y Estadística. pp. 3 - 0. (Spain): Servei de Publicacions de la Universitat Autònoma, 01/01/1991 .ISBN 847488702X
Type of production: Book **Type of platform:** Book
- 96** Barceló, J.A. Some theoretical consequences of the use of advanced statistics in archaeology. IInd Deya International Conference of Prehistory : recent developments in Western Mediterranean prehistory, archaeological techniques, technology and theory. pp. 15 - 37. (United Kingdom): Tempus Reparatum, 01/01/1991 .ISBN 0860547264
Type of production: Chapters of books **Type of platform:** Book



- 97** Barceló, J.A.El uso de Sistemas Expertos en la interpretación de clasificaciones estadísticas multidimensionales.Complutum.0 - 1,pp. 41 - 51.Editorial Complutense,01/01/1991 .ISSN 1131-6993
Type of production: Article **Type of platform:** Journal
- 98** Barceló, J.A.El Bronce del Sudoeste y la cronología de las Estelas Alentejanas.Arqueologia.0 - 21,pp. 37 - 46.Grupo de Estudios Arqueologicos,01/01/1991 .ISSN 0870-2306
Type of production: Article **Type of platform:** Journal
- 99** Barceló, J.A.Las Estelas Decoradas del S.O. de la Península Ibérica.Tartessos.pp. 189 - 208.(Spain): Ed. AUSA,01/01/1990 .ISBN 8486329485
Type of production: Chapters of books **Type of platform:** Book
- 100** Barceló, J.A.La Arqueología y el estudio de los ritos funerarios: métodos matemáticos de análisis.Zephyrus.XLIII - 0,pp. 181 - 188.Universidad. Facultad de Filosofía y Letras. Centro de Estudios Salmantinos,01/01/1990 .ISSN 0514-7336
Type of production: Article **Type of platform:** Journal
- 101** Barceló, J.A.Review of Langley,P. et al. Scientific Discovery: Computational Explorations of the creative process.Artificial Intelligence & Society .4 - 4,pp. 1 - .Springer,01/01/1990 .ISSN 1431-0856
Type of production: Article **Type of platform:** Journal
- 102** Campillo, D.; Barceló, J.A.Estudio morfométrico de la superficie interna del Occipital.Los restos humanos de Orce y Cueva Victoria.pp. 33 - 75.(Spain): Diputació Provincial de Barcelona. Institut Paleontològic Dr. M. Crusafont,01/06/1989 .ISBN 8477940592
Type of production: Chapters of books **Type of platform:** Book
- 103** Barceló, J.A.La investigación de la Cultura Material como disciplina estrictamente matemática.Antropologies.2 - 0,pp. 46 - 49.Associació Antropologies,01/01/1989 .ISSN 0213-7720
Type of production: Article **Type of platform:** Journal
- 104** Barceló, J.A.Los Museos y el Marketing.Alta dirección.0 - 147,pp. 73 - 82.Nauta,01/01/1989 .ISSN 0002-6549
Type of production: Article **Type of platform:** Journal
- 105** Barceló, J.A.Introducción al Razonamiento Estadístico aplicado a la Arqueología: un análisis de las Estelas Antropomorfas de la Península Ibérica.Trabajos de prehistoria.0 - 45,pp. 51 - 86.Consejo Superior de Investigaciones Científicas,01/01/1988 .ISSN 0082-5638
Type of production: Article **Type of platform:** Journal
- 106** Barceló, J.A.La Prehistoria y el Comercio de Bienes de Lujo.Markerama: Club de dirigentes de Ventas y Marketing.0 - 157,pp. 4 - 7.INFISA,01/01/1987 .ISSN UAB-0886-A
Type of production: Article **Type of platform:** Journal
- 107** Barceló, J.A.La Prehistoria y la Sociología Matemática: algunos avances recientes.Llansol de Romaní. Butlletí de la Societat Arqueològica de Castelló.9 - 0,pp. 9 - 15.Associació arqueològica de Castelló,01/01/1987 .ISSN UAB-0887-A
Type of production: Article **Type of platform:** Journal
- 108** Campillo, D.; Barceló, J.A.Anthropometric study of the inner surface of the squama occipitalis.Paleontologia i Evolució.0 - 19,pp. 131 - 145.Institut de Paleontologia Miquel Crusafont,01/01/1985 .ISSN 0211-609X
Type of production: Article **Type of platform:** Journal



- 109** Barceló, J.A. Elementos para una teoría de la muerte y de los ritos funerarios. *Ethnica*. 0 - 20, pp. 79 - 102. Consejo Superior de Investigaciones Científicas. Centro de Etnología Peninsular, 01/01/1984 .ISSN 0210-5608
Type of production: Article **Type of platform:** Journal

Work presented in conferences at the national or international level

- 1** **Title:** Computer Simulation in Archaeology
Name of the conference: Arqueología 2.0. Virtual reality in Archaeology
Type of event: Conference
Your role: Others
City of the publishing body: Sevilla, Spain
Date of the event: 22/06/2011
 Barceló, J.A.
- 2** **Title:** Analytical Historical Explanation. The Art of Computer Simulation
Name of the conference: Conference on Analytical Sociology and Social Mechanisms
Type of event: Conference
Your role: Others
City of the publishing body: Paris, France
Date of the event: 08/06/2011
 Barceló, J.A.
- 3** **Title:** Ethnicity in the neolithic. A computational approach
Name of the conference: CONGRESO INTERNACIONAL REDES EN EL NEOLÍTICO Circulación e intercambio de materias, productos e ideas en el Mediterráneo Occidental (VII-III milenio AC)
Type of event: Conference
Your role: Others
City of the publishing body: Gavà, Spain
Date of the event: 02/02/2011
 Barcelo, J.A.; Bogdanovic, I.; Del Castillo, F.
- 4** **Title:** Patagonian Ethnogenesis: Towards a Computational Approach
Name of the conference: 3rd World Congress on Social Simulation
Type of event: Conference
Your role: Others
City of the publishing body: Kassel, Germany
Date of the event: 06/09/2010
 Barcelo, Juan A.; Cuesta, Jose A; Del Castillo, Florencia; Galan, Jose M.; Mameli, Laura; Quesada, Miguel; Santos, Jose I.; Vila, Xavier.
- 5** **Title:** Patagonian Ethnogenesis: towards a computational simulation approach
Name of the conference: 3rd World Congress on Social Simulation WCSS2010
Type of event: Conference
Your role: Others
City of the publishing body: Kassel, Germany
Date of the event: 05/09/2010
Type: Chapters of books
 Barceló, J.A.; Cuesta, J.A.; del Castillo, F.; Galán, J.M.; Mameli, L., Miguel, F.; Santos, J. I.; Vilà, X. "Patagonian Ethnogenesis: towards a computational simulation approach". En: *Proceedings of the 3rd World Congress on Social Simulation WCSS2010 (CD-ROM)*. .

- 6** **Title:** Aplicaciones de la Inteligencia Artificial en Visualización Científica
Name of the conference: Arqueologica 2.0. Congreso Internacional de Arqueología e Informática gráfica
Type of event: Conference
Your role: Others
City of the publishing body: Sevilla, Spain
Date of the event: 17/06/2009
J.A. Barceló, Oriol Vicente.
- 7** **Title:** Reflexiones teóricas acerca de la visualización computacional en arqueología
Name of the conference: Arqueologica 2.0. Congreso Internacional de Arqueología e Informática Gráfica
Type of event: Conference
Your role: Others
City of the publishing body: Sevilla, Spain
Date of the event: 17/06/2009
J.A. Barceló.
- 8** **Title:** Computational Intelligence in Archaeology
Name of the conference: 37th. Computer Applications and Quantitative methods in ARchaeology
Type of event: Conference
Your role: Others
City of the publishing body: Williamsburg, United States of America
Date of the event: 22/03/2009
BARCELO, J.A.
- 9** **Title:** Simulating and scientific modelling in Achaeology
Name of the conference: IV Congress of the Institute for Biocomputation and Physics of Complex Systems
Type of event: Conference
Your role: Others
City of the publishing body: Zaragoza, Spain
Date of the event: 05/02/2009
BAREELO, J.A.
- 10** **Title:** Inducción, clasificación y taxonomía en Arqueología Cuantitativa
Name of the conference: Teoría, escuelas filosóficas y aplicaciones prácticas de la Taxonomía Biocultural
Type of event: Conference
Your role: Others
City of the publishing body: sevilla, Spain
Date of the event: 30/10/2008
Barceló, J.A.
- 11** **Title:** The Birth and Development of Computational Intelligence in Archaeology
Name of the conference: La nascita dell'informatica archeologica
Type of event: Conference
Your role: Others
City of the publishing body: Roma, Italy
Date of the event: 24/10/2008
Barceló, J.A.



- 12** **Title:** Archaeological Typology and Statistical methods
Name of the conference: 34th. Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Berlin, Germany
Date of the event: 02/04/2007
Barceló, J.A.
- 13** **Title:** Statistics and Neural networks in use-wear Analysis
Name of the conference: "Prehistoric Technology" 40 years later: Functional studies and the Russian legacy
Type of event: Conference
Your role: Others
City of the publishing body: Verona, Italy
Date of the event: 20/04/2005
Type: Chapters of books
Barceló, J.A. Pijoan-López, J. Toselli, A.
- 14** **Title:** Archaeological Modelling
Name of the conference: 33th. Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Tomar, Portugal
Date of the event: 27/03/2005
Barceló, J.A.
- 15** **Title:** Multidimensional Spatial Analysis in Archaeology. Beyond the GIS paradigm
Name of the conference: Reading the Historical Spatial Information in the World. Studies for Human Cultures and Civilizations based on Geographic Information System
Type of event: Conference
Your role: Others
City of the publishing body: Kyoto, Japan
Date of the event: 15/01/2005
Type: Chapters of books
Barceló, J.A.
- 16** **Title:** Archaeological Theory, Techniques, and Technology
Name of the conference: 32th. Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Prato, Italy
Date of the event: 05/04/2004
Type: Chapters of books
Barceló, J.A.
- 17** **Title:** Artificial Intelligence in Archaeology
Name of the conference: 8th Conference of the Italian Association of Artificial Intelligence
Type of event: Conference



Your role: Others

City of the publishing body: Pisa, Italy

Date of the event: 10/09/2003

Type: Article

Barceló, J.A.

- 18** **Title:** Neural networks in Archaeology: Use-wear analysis in lithic tools
Name of the conference: 31th. Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Viena, Austria
Date of the event: 03/04/2003
Type: Chapters of books
Barceló, J.A. Pijoan- López, J.
- 19** **Title:** A 3d Model of an Archaeological Excavation
Name of the conference: 30th. Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Heraklion, Greece
Date of the event: 27/03/2002
Type: Chapters of books
Barceló, J.A.
- 20** **Title:** Archaeological Thinking in Spatial and Temporal Models
Name of the conference: Union Internationale des Sciences Prehistoriques et Protohistoriques
Type of event: Conference
Your role: Others
City of the publishing body: Liege, Belgium
Date of the event: 01/09/2001
Type: Article
Barceló Alvarez, J.A.
- 21** **Title:** Spatial Modelling in Archaeology
Name of the conference: 29th Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Visby, Sweden
Date of the event: 04/04/2001
Type: Chapters of books
Barceló, J.A.
- 22** **Title:** Cuando los ordenadores ven y piensan por nosotros. Una introducción a la realidad virtual y a la inteligencia artificial
Name of the conference: TECNOART. Las Nuevas tecnologías: Museos y Patrimonio Cultural
Type of event: Workshop
Your role: Others
City of the publishing body: Barcelona, Spain



Date of the event: 19/05/2000
Barceló, J.A.

- 23** **Title:** Artificial Intelligence and Virtual Archaeology
Name of the conference: Virtual Archaeology between Scientific Research and Territorial Marketing
Type of event: Conference
Your role: Others
City of the publishing body: Arezzo, Italy
Date of the event: 15/03/2000
Type: Chapters of books
Barceló, J.A.
- 24** **Title:** A Theory of Knowledge Building by Using Internet
Name of the conference: 27th. Computer Applications in Archaeology
Type of event: Conference
Your role: Others
City of the publishing body: Dublin, Eire
Date of the event: 02/04/1999
Type: Chapters of books
Bogdanovic, I. Barceló, J.A., Vicente, O.
- 25** **Title:** Aports de la série de datations C14 du site Tell halula à la chronologie du processus de neolitisation au proche orient
Name of the conference: C-14 et l' Archeologie
Type of event: Conference
Your role: Others
City of the publishing body: Lyon, France
Date of the event: 06/04/1998
Molist, M.; Barceló, J.A.
- 26** **Title:** New Techniques for Old Times. A General introduction to Computing Archaeology
Name of the conference: 26th Computer Applications in Archaeology
Type of event: Conference
Your role: Organising committee
City of the publishing body: Barcelona, Spain
Date of the event: 28/03/1998
Barceló, J.A.; Briz, I.; Vila, A.
- 27** **Title:** Time Series and Neural Networks in Archaeological Seriation. An example on early pottery from the Near East.
Name of the conference: 25th. Computer Applications in Archaeology
Type of event: Conference
Your role: Speaker
City of the publishing body: Birmingham, United Kingdom
Date of the event: 02/04/1997
Type: Chapters of books
Barceló, J.A. "Time Series and Neural Networks in Archaeological Seriation. An example on early pottery from the Near East". En: *Archaeology in the Age of the Internet-CAA97. Computer Applications and Quantitative Methods in Archaeology : proceedings of the 25th anniversary conference University of Birmingham, April 1997..*



- 28** **Title:** Patriarchs, Bandits and Warriors. An analysis of Social Interaction in Bronze Age South Western Iberian peninsula
Name of the conference: Eliten in der Bronzezeit
Type of event: Conference
Your role: Speaker
City of the publishing body: Mainz, Germany
Date of the event: 01/02/1996
Type: Chapters of books
 Barceló Alvarez, Juan Antonio."Patriarchs, Bandits and Warriors. An analysis of social interaction in Bronze Age SW Iberian peninsula".En: *Eliten in der Bronzezeit*.
- 29** **Title:** Applications of Neural Networks to use-wear Analysis
Name of the conference: 24th Computer Applications and Quantitative Methods in archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Iasi, Rumanía
Date of the event: 01/01/1996
 Barceló Alvarez, Juan Antonio.
- 30** **Title:** Análisis estadístico de la Variabilidad de los Platos Fenicios en el Sur de la Península Ibérica
Name of the conference: IV Congreso Internacional de Estudios Fenicios y Púnicos
Type of event: Conference
Your role: Speaker
City of the publishing body: Cadis, Spain
Date of the event: 01/05/1995
Type: Chapters of books
 Barceló Alvarez, Juan Antonio."Análisis estadístico de la Variabilidad de los Platos Fenicios en el Sur de la Península Ibérica".En: *Actas del IV Congreso Internacional de Estudios Fenicios y Púnicos*.
- 31** **Title:** Analogy in Archaeological Reasoning
Name of the conference: I European Association of Archaeologists Congress
Type of event: Conference
Your role: Others
City of the publishing body: Santiago de Compostela, Spain
Date of the event: 01/04/1995
 Barceló Alvarez, Juan Antonio.
- 32** **Title:** A critique of GIS in Archaeology. From Visual seduction to Spatial Analysis
Name of the conference: III Convegno Internazionale di Archeologia e Calcolatori
Type of event: Conference
Your role: Others
City of the publishing body: Roma, Italy
Date of the event: 01/03/1995
 Barceló Alvarez, Juan Antonio.
- 33** **Title:** ¿Podemos definir arqueológicamente las formas de Interacción social? Conflictos entre Teoría y Métodos
Name of the conference: II Jornadas de Arqueología a la Carta
Type of event: Conference
Your role: Speaker



City of the publishing body: Carratraca (Málaga), Spain
Date of the event: 01/02/1995
Barceló Alvarez, Juan Antonio.

34 **Title:** Echanges et Interaction sociale dans le sudouest de la péninsule Ibérique avant la Colonisation Phénicienne
Name of the conference: Congrès Préhistorique de France
Type of event: Conference
Your role: Others
City of the publishing body: Carcassonne, France
Date of the event: 01/01/1994
Barceló Alvarez, Juan Antonio.

35 **Title:** Sociedad y Economía en el Bronce Final Tartésico
Name of the conference: Congreso conmemorativo del V Symposium Internacional de Prehistoria Peninsular
Type of event: Conference
Your role: Speaker
City of the publishing body: Jerez de la Frontera, Spain
Date of the event: 01/04/1993
Type: Chapters of books
Barceló Alvarez, Juan Antonio. "Sociedad y Economía en el Bronce Final Tartésico". En: *Tartessos, 25 años después: 1968-1993, Jerez de la Frontera. Actas del Congreso Conmemorativo del V Symposium Internacional de Prehistoria Peninsular*.

36 **Title:** Seriación de Datos Arqueológicos Ambiguos o Incompletos. Una Aplicación de las Redes Neuronales
Name of the conference: II Coloquio Internacional de Arqueología e Informática
Type of event: Conference
Your role: Others
City of the publishing body: Bilbao, Spain
Date of the event: 01/03/1993
Barceló Alvarez, Juan Antonio.

37 **Title:** Social Simulation in Archaeology
Name of the conference: Simulating Societies '93
Type of event: Conference
Your role: Others
City of the publishing body: Siena, Italy
Date of the event: 01/02/1993
Barceló Alvarez, Juan Antonio.

38 **Title:** Computer-based techniques for the representation of automatic problem-solving in archeology
Name of the conference: 21st Computer Applications and Quantitative Methods in Archaeology Conference
Type of event: Conference
Your role: Others
City of the publishing body: Aarhus, Denmark
Date of the event: 01/01/1992
Barceló Alvarez, Juan Antonio.



- 39** **Title:** Using Intelligent Data-Bases in Archaeology
Name of the conference: Colloque européen d'Archéologie et informatique
Type of event: Conference
Your role: Others
City of the publishing body: París, France
Date of the event: 01/03/1991
Barceló Alvarez, Juan Antonio.
- 40** **Title:** Middle-Range Theories and Artificial Intelligence
Name of the conference: Data Management and mathematical methods in Archaeology. Commission 4, Union Internationale des Sciences Prehistoriques et protohistoriques
Type of event: Conference
Your role: Speaker
City of the publishing body: Bratislava, Slovakia
Date of the event: 01/02/1991
Barceló Alvarez, Juan Antonio.
- 41** **Title:** Programming an Intelligent database in Hypertext
Name of the conference: 20th Computer Applications and Quantitative Methods in archaeology conference
Type of event: Conference
Your role: Others
City of the publishing body: Oxford, United Kingdom
Date of the event: 01/01/1991
Barceló, J.A.
- 42** **Title:** El uso de Sistemas Expertos en la interpretación de Clasificaciones estadísticas multidimensionales
Name of the conference: I Coloquio Español sobre Aplicaciones Informáticas en Arqueología
Type of event: Conference
Your role: Others
City of the publishing body: Madrid, Spain
Date of the event: 01/01/1990
Barceló, J.A.
- 43** **Title:** -
Name of the conference: I Congreso de Jóvenes Historiadores y Geógrafos
Type of event: Conference
Your role: Others
City of the publishing body: Madrid, Spain
Date of the event: 01/03/1988
Barceló Alvarez, Juan Antonio.
- 44** **Title:** Some theoretical consequences of the use of advanced statistics in archaeology
Name of the conference: Second Deià Conference on Prehistory
Type of event: Conference
Your role: Others
City of the publishing body: Deià (Mallorca), Spain
Date of the event: 01/02/1988
Barceló, J.A.

- 45** **Title:** Las Estelas Decoradas del Sudoeste
Name of the conference: I Coloquio de Historia Antigua de Andalucía
Type of event: Conference
Your role: Others
City of the publishing body: Cáceres, Spain
Date of the event: 01/01/1988
Barceló Alvarez, Juan Antonio.
- 46** **Title:** Un Millenio di relazioni fra la Sardegna e i paesi mediterranei
Name of the conference: III Convegno Di Studi
Type of event: Conference
Your role: Others
City of the publishing body: Selargius (Cerdeña), Italy
Date of the event: 01/02/1987
Barceló Alvarez, Juan Antonio.
- 47** **Title:** La Arqueología y el estudio de los ritos funerarios: métodos matemáticos de análisis
Name of the conference: I Coloquio Internacional sobre Religiones Prehistóricas en la Península Ibérica
Type of event: Conference
Your role: Others
City of the publishing body: Salamanca, Spain
Date of the event: 01/01/1987
Barceló Alvarez, Juan Antonio.
- 48** **Title:** Estudio Antropométrico de la cara interna del occipital
Name of the conference: IV Congreso Español de Antropología Biológica
Type of event: Conference
Your role: Others
City of the publishing body: Barcelona, Spain
Date of the event: 01/01/1985
Barceló Alvarez, Juan Antonio Campillo, D.

Work presented in Seminars, Workshops and/or Courses at the national or international level.

- 1** **Title:** Simulating Prehistoric Ethnicity: The case of Patagonian hunter-gatherers
Name of the event: XXXVIII Annual Conference on Computer Applications & Quantitive Methods in Archeology
City of the publishing body: Granada, Spain
Date of the event: 06/04/2010
Juan A. Barceló, Florencia Del Castillo, Laura Mameli, Francesc Xavier Miquel Quesada.
- 2** **Title:** Theory and Epistemology of Social Simulation methods
Name of the event: II Workshop on Analytical Sociology and Institutional design
City of the publishing body: Bellaterra (Barcelona), Spain
Date of the event: 03/11/2009
Barceló Alvarez, J.A..
- 3** **Title:** Programing an Artificial Society of Prehistoric Hunter-gateherers
Name of the event: 1st WORKSHOP "MODELLING IN SOCIOECONOPHYSICS"
City of the publishing body: Bellaterra (barcelona), Spain



Date of the event: 02/09/2009

Barceló, J.A., del Castillo, F., Mameli, L..

- 4** **Title:** From Social Classification to Social Simulation in Archaeology
Name of the event: II Jornadas sobre Simulación Social y Análisis de Sociedades Artificiales
City of the publishing body: Bellaterra, Spain
Date of the event: 21/11/2008
 Barceló, J.A..
- 5** **Title:** Interpreting Archaeological data. An Artificial Intelligence Approach
Name of the event: Information & Communication Technologies in Cultural Heritage
City of the publishing body: Ioannina, Greece
Date of the event: 16/10/2008
 Barceló, J.A..
- 6** **Title:** Expert Systems in Archaeology
Name of the event: Workshop Artificial Intelligence for Cultural Intelligence
City of the publishing body: Cagliari, Italy
Date of the event: 12/09/2008
- 7** **Title:** Computational Intelligence in Archaeology
Name of the event: Training Seminars on Research Planning, Characterisation, Conservation and Management in Archaeological Sites
Type of event: Seminar
City of the publishing body: Bologna, Italy
Date of the event: 15/05/2008
- 8** **Title:** New computational techniques for archaeological fieldwork
Name of the event: Archaeology at the Tops of the World
City of the publishing body: Tromsø, Norway
Date of the event: 15/10/2005
Type: Article
 Barceló, J.A. Maximiano, A. Vicente, O..
- 9** **Title:** La Multidimensionalidad del Espacio Arqueológico: Teoría Matemáticas y Visualización..
Name of the event: Jornadas de Arqueología del Paisaje y Sistemas de Información geográfica
City of the publishing body: Alicante, Spain
Date of the event: 05/12/2004
Type: Chapters of books
 Barceló, J.A. Maximiano, A. Vicente Campos, O..
- 10** **Title:** Neural Networks in Archaeology
Name of the event: Data Management and Quantitative Methods in Archaeology. UISPP Inter-Meeting Conference
City of the publishing body: Santa Fe, United States of America
Date of the event: 10/10/2004
 Barceló, J.A..
- 11** **Title:** Virtual Reality for Scientific Visualization as a New Tool for Representation and Communication of Hypotheses and Results
Name of the event: Topical Seminar on Global and Local Networks for Research and Education



Type of event: Seminar
City of the publishing body: Siena, Italy
Date of the event: 06/11/2000
Type: Article
Barceló, J.A..

12 **Title:** Spatial Statistics in Archaeology
Name of the event: Workshop on Spatial Statistics
City of the publishing body: Peschara, Italy
Date of the event: 15/06/2000
Barceló, J.A..

13 **Title:** Image Processing in Archaeology
Name of the event: 28th. Computer Applications in Archaeology
City of the publishing body: Ljubljana, Slovenia
Date of the event: 18/04/2000
J.A.Barcelo, O.Vicente, J.Pi Joan.

14 **Title:** Virtual Archaeology and Artificial Intelligence
Name of the event: Virtual Archaeology between Scientific Research and Territorial Marketing
City of the publishing body: Arezzo, Italy
Date of the event: 23/11/1999
J.A.Barcelo.

15 **Title:** Scientific Visualization and Virtual Reality. Working with Models and Hypotheses
Name of the event: Topical Seminar on Global and Local Networks for Research and Education
City of the publishing body: Siena, Italy
Date of the event: 06/11/1999
Barceló, J.A..

16 **Title:** Virtual Museums. When Heritage does not exist.
Name of the event: UNESCO-ICSU International Conference on Science: Public Collections and Scientific Research
City of the publishing body: Budapest, Hungary
Date of the event: 01/05/1999
Barceló, J.A..

17 **Title:** Heuristic Classification and Fuzzy sets. New Tools for archaeological typologies
Name of the event: 23th Computer Applications and Quantitative Methods in archaeology Conference
City of the publishing body: Leiden, Holland
Date of the event: 01/01/1995
Barceló Alvarez, Juan Antonio.

18 **Title:** Back-Propagation algorithms to compute similarity relationships among archaeological artifacts
Name of the event: 22nd Computer Applications and Quantitative Methods in archaeology Conference
City of the publishing body: Stoke-on-Trent, United Kingdom
Date of the event: 01/01/1993
Type: Chapters of books
Barceló Alvarez, Juan Antonio. "Back-propagation algorithms to compute similarity relationships among archaeological artefacts". En: *Computer Applications and Quantitative Methods in Archaeology (CAA 1993)*.



- 19** **Title:** ¿Debemos automatizar el Razonamiento Arqueológico?
Name of the event: I Reunión de Arqueología Teórica
City of the publishing body: Santiago de Compostela, Spain
Date of the event: 01/02/1992
 Barceló Alvarez, Juan Antonio.
- 20** **Title:** Utilisation des bases des données intelligentes en Archéologie
Name of the event: Colloque Européen archéologie et Informatique
City of the publishing body: Paris, France
Date of the event: 01/01/1991
 Barceló Alvarez, Juan Antonio.

Experiences transferred

Scientific consultancies or companies

- 1** **Committee title:** International Forum of Virtual Archaeology
Parent body: Sociedad Española de Realidad Virtual en Arqueología
Start date: 20/06/2009
- 2** **Committee title:** Steering Committee. Representative for Spain
Parent body: Computer Applications in Archaeology International Society
Start date: 01/04/2009
- 3** **Committee title:** Commission IV. Data management and Mathematics in Archaeology
Parent body: Union International des Sciences préhistoriques et protohistoriques
Start date: 10/09/1991

Experience organising R&D activities

- 1** **Title:** 1st WORKSHOP "MODELLING IN SOCIOECONOPHYSICS"
Your role: President
Start date: 02/09/2009 , 2 days
- 2** **Title:** Arqueologica 2.0. Congreso Internacional de Arqueología e Informática Gráfica
Your role: Member
Start date: 17/06/2009 , 3 days
- 3** **Title:** IV Congress of the Institute for Biocomputation and Physics of Complex Systems
Your role: Member
Start date: 05/02/2009 , 2 days
- 4** **Title:** 34th. Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 02/04/2007 , 4 days



- 5** **Title:** Archaeology at the Tops of the World
Your role: Secretary
Start date: 15/10/2005 , 2 days
- 6** **Title:** 33th. Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 27/03/2005 , 4 days
- 7** **Title:** Data Management and Quantitative Methods in Archaeology. UISPP Inter-Meeting Conference
Your role: Secretary
Start date: 10/10/2004 , 2 days
- 8** **Title:** 32th. Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 05/04/2004 , 3 days
- 9** **Title:** 31th. Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 03/04/2003 , 3 days
- 10** **Title:** 30th. Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 27/03/2002 , 6 days
- 11** **Title:** Union Internationale des Sciences Prehistoriques et Protohistoriques
Your role: Member
Start date: 01/09/2001 , 5 days
- 12** **Title:** 29th Computer Applications and Quantitative Methods in Archaeology Conference
Your role: Member
Start date: 04/04/2001 , 3 days
- 13** **Title:** Topical Seminar on Global and Local Networks for Research and Education
Your role: Member
Start date: 06/11/2000 , 3 days
- 14** **Title:** 28th. Computer Applications in Archaeology
Area of the activity: Non EU International
Your role: Member
Start date: 18/04/2000 , 3 days
- 15** **Title:** Virtual Archaeology between Scientific Research and Territorial Marketing
Your role: Member
Start date: 15/03/2000 , 3 days
- 16** **Title:** 27th. Computer Applications in Archaeology
Your role: Member
Start date: 02/04/1999 , 3 days



- 17** **Title:** 26th. Computer Applications in Archaeology (CAA98)
Area of the activity: Non EU International
Your role: President
Start date: 24/03/1999 , 4 days
- 18** **Title:** 26th Computer Applications in Archaeology
Area of the activity: Non EU International
Your role: President
Start date: 28/03/1998 , 3 days
- 19** **Title:** 25th. Computer Applications in Archaeology
Your role: Member
Start date: 02/04/1997 , 3 days
- 20** **Title:** 24th Computer Applications and Quantitative Methods in archaeology Conference
Area of the activity: Non EU International
Your role: Member
Start date: 01/01/1996 , 1 day
- 21** **Title:** II Coloquio Internacional de Arqueología e Informática
Area of the activity: National
Your role: Member
Start date: 01/03/1993 , 2 days
- 22** **Title:** Data Management and mathematical methods in Archaeology. Commission 4, Union Internationale des Sciences Préhistoriques et protohistoriques
Area of the activity: Non EU International
Your role: Member
Start date: 01/02/1991 , 2 days

Other credits

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

- 1** **Body where project took place:** Centro Nacional patagónico. CONICET
City: Puerto Madryn, Argentina
Start date: 01/03/2011 , 2 months - 27 days
Aim of the residency: Guest
Provable tasks: Computer simulation of historical processes
- 2** **Body where project took place:** Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)
City: Buenos Aires, Argentina
Start date: 01/06/2007 , 1 month
Aim of the residency: Guest
Provable tasks: -
- 3** **Body where project took place:** Centro Nacional Patagónico (CENPAT)
City: Puerto Madryn, Argentina
Start date: 01/07/2005 , 2 months - 28 days



Aim of the residency: Others

Provable tasks: -

- 4** **Body where project took place:** Centro Austral de Investigaciones Científicas (CADIC)
City: Ushuaia, Argentina
Start date: 01/02/2002 , 1 month - 29 days
Aim of the residency: Guest
Provable tasks: Utilització de tecnologies computacionals i de realitat virtual a les excavacions arqueològiques
- 5** **Body where project took place:** National Autonomous Nicaragua University
City: Managua, Nicaragua
Start date: 01/11/1998 , 1 month - 2 days
Aim of the residency: Guest
Provable tasks:
- 6** **Body where project took place:** National Autonomous Nicaragua University
City: Managua, Nicaragua
Start date: 10/11/1997 , 1 month - 5 days
Aim of the residency: Guest
Provable tasks:
- 7** **Body where project took place:** Musée d'Alep
City: Aleppo, Syria
Start date: 10/09/1997 , 1 month - 10 days
Aim of the residency: Guest
Provable tasks:
- 8** **Body where project took place:** Universidad Pompeu Fabra
City: Barcelona, Spain
Start date: 01/01/1993 , 3 years - 11 months - 22 days
Aim of the residency: Guest
Provable tasks: Arqueología e Informática
- 9** **Body where project took place:** Centre National de Recherche Scientifique
City: Paris, France
Start date: 01/01/1989 , 1 year - 11 months - 23 days
Aim of the residency: Post-doctoral
Provable tasks: Arqueología e Informática
- 10** **Body where project took place:** Soprintendenza Archaeologica di roma
City: Rome, Italy
Start date: 01/03/1984 , 30 days
Aim of the residency: Contracted
Provable tasks: Bronce Final en Italia. Técnicas de Excavación

Collection of other credits.

- 1** **Description credits:** Recensiones en revistas internacionales: Barceló, J.A., "Review of Langley, P. et al. Scientific Discovery: Computational Explorations of the creative process". Recensión publicada en Artificial Intelligence & Society, vol. 4 (4), October-December, 1990
- 2** **Description credits:** Barceló, J.A. "Comment to A.G. Franck: The Bronze Age World System and its cycles". Comentario Publicado en Current Anthropology, agosto 1993
- 3** **Description credits:** Traducciones Técnicas: Shennan, S., Quantifying Archaeology, 1988. Edinburgh University Press. (traducción castellana de J.A. Barceló: Arqueología Cuantitativa. Barcelona: Editorial Crítica)
- 4** **Description credits:** Hodder, I., Reading the Past. Cambridge University Press. (traducción castellana de J.A. Barceló y M.J. Aubet: Interpretación en Arqueología. Barcelona: Ed. Crítica), 1991
- 5** **Description credits:** Orton, C., et al. Pottery for Archaeology. Cambridge University Press (traducción castellana de J.A. Barceló y R. Barceló. Cerámicas en Arqueología. Barcelona: Ed. Crítica)
- 6** **Description credits:** Excavaciones Arqueológicas: "Roc del Migdia" (yacimiento mesolítico en la provincia de Girona. Campaña organizada por la Universidad Autónoma de Barcelona), 1983
- 7** **Description credits:** "Son Ferragut" (yacimiento de la Edad del Bronce en la isla de Mallorca). Campaña organizada por la Universidad Autónoma de Barcelona, 1983
- 8** **Description credits:** "Osteria dell'Ossa" (yacimiento de la Edad del Bronce-Edad del Hierro en los alrededores de la ciudad de Roma, Italia. Excavación realizada en colaboración con la Soprintendenza Archeologica di Roma, 1984
- 9** **Description credits:** "Toscanos" (yacimiento fenicio en la provincia de Málaga). Excavación realizada en colaboración con el Deutsches Archeologisches Institut, 1984
- 10** **Description credits:** "Fuente Alamo" (yacimiento de la Edad del Bronce en la provincia de Almería). Excavación realizada en colaboración con el Deutsches Archeologisches Institut, 1985
- 11** **Description credits:** "Campus de Bellaterra" (yacimiento de la Edad del Bronce-Edad del Hierro en la provincia de Barcelona). Campaña organizada por la Universidad Autónoma de Barcelona, 1985
- 12** **Description credits:** "Alfarrobeira" (yacimiento de la Edad del Bronce en el Algarve, Portugal. Excavación realizada en colaboración con el Instituto Portugués do Património Cultural y el Servicio Regional de Arqueología del Sur de Portugal, 1988
- 13** **Description credits:** "Cerro del Villar" (yacimiento fenicio en la provincia de Málaga). Campaña organizada por la Universidad Autónoma de Barcelona y la Junta de Andalucía, bajo la dirección de M.E. Aubet, 1989



- 14 Description credits:** "Cerro del Villar" (yacimiento fenicio en la provincia de Málaga). Campaña organizada por la Universidad Autónoma de Barcelona y la Junta de Andalucía, bajo la dirección de M.E. Aubet, 1991
- 15 Description credits:** "Tell Halula" (yacimiento neolítico en el Alto Eufrates, Siria). Campaña organizada por la Misión Arqueológica Española en Siria, bajo la dirección de M. Molist, 1996
- 16 Description credits:** "Tell Halula" (yacimiento neolítico en el Alto Eufrates, Siria). Campaña organizada por la Misión Arqueológica Española en Siria, bajo la dirección de M. Molist, 1997
- 17 Description credits:** Miembro de la European Association of Archaeologists
- 18 Description credits:** Miembro de la Junta Directiva de la Union de Sciences Pre-historiques et Protohistoriques (Commision IV, Data Management and Mathematics)
- 19 Description credits:** Miembro de la Junta Directiva de la Computer Applications in Archaeology Society
- 20 Description credits:** Presidente de la Asociación Española para la Divulgación de Aplicaciones Informáticas en Arqueológicas
- 21 Description credits:** Presidente del Comité Organizador del 26th Computer Applications in Archaeology (Barcelona 25-28 de marzo de 1998)