

CV

Standard DRAC form

Number of pages: 55

First name and surnames: Daniel Calvete Manrique

Date: 11 /april/2016

Signature: Calvete, D.

The undersigned hereby states that the information in this CV is true and is notified that she/he shall be held liable for any claims arising from inaccuracies and that she/he may be subject to requests for further information or proof of veracity during the assessment process.

You must sign in the margin of every page.

1. Personal details

Surnames and first name		ID/passport number
Daniel Calvete Manrique		44000252X
Nationality	Date of birth	Sex
Espanya	09/08/1970	<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female
Address		
Dept. Fisica Alicada. Modul B5-006. Campus Nord., 08034 Barcelona		

2. Current job status

Institution/organisation/company	School		
Universitat Politècnica de Catalunya	Barcelona School of Civil Engineering (ETSECCPB)		
Department/section/unit			
Department of Physics			
Post held	Start date		
Tenure-track 2 lecturers	01/09/2008		
Administrative status			
<input type="checkbox"/> Publicly contracted	<input checked="" type="checkbox"/> Open-ended contract	<input type="checkbox"/> Grant holder	<input type="checkbox"/> Untenured lecturer/Temporary
<input type="checkbox"/> Emeritus	<input type="checkbox"/> Fixed-term contract	<input type="checkbox"/> Statutory	<input type="checkbox"/> Other
Commitment	Specialisation (UNESCO codes)		
<input checked="" type="checkbox"/> Full-time <input type="checkbox"/> Part-time			

3. Education

Undergraduate degree/1st cycle/1st and 2nd cycle/2nd cycle	School	Date of graduation
1. Degree holder. Ciències Físiques	1. UB	1. 27/06/1995

Doctoral degree	School	Date of graduation
1. Ciències Físiques	1. Universitat Politècnica de Catalunya	1. 29/07/1999

4. Scientific or professional activities prior to current status

Category	Institution	Period
1. Adjunct lecturers	1. Universitat Politècnica de Catalunya	1. 16/10/1995 - 31/05/1999
2. Adjunct lecturers	2. UPC	2. 16/10/1995 - 31/05/1999
3. Researcher	3. UPC	3. 10/02/1996 - 31/01/1999
4. Postdoctoral research staff	4. Utrecht University	4. 01/06/1999 - 31/05/2001
5. Postdoctoral research staff	5. UPC	5. 01/07/2001 - 31/08/2002
6. Visitants amb Càrrec a Projectes	6. Universitat Politècnica de Catalunya	6. 01/07/2001 - 31/08/2002
7. Adjunct lecturers	7. UPC	7. 01/09/2002 - 31/08/2003
8. Adjunct lecturers	8. Universitat Politècnica de Catalunya	8. 01/09/2002 - 31/08/2003
9. Research specialist	9. Universitat Politècnica de Catalunya	9. 01/09/2003 - 31/08/2008
10. Investigador - Ramon y Cajal	10. UPC	10. 01/09/2003 - 31/08/2008

5. Languages (A = excellent, B = good, C = fair)

Language	Speaking	Reading	Writing
1. English	1. Excellent	1. Excellent	1. Excellent

A. Publications

A.1 Journal papers

Authors: Nnafie, A.; de Swart, H.; Calvete, D.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Dynamics of shoreface-connected and inactive sand ridges on a shelf, Part 2: The role of sea level rise and associated changes in shelf geometry

Journal (title, volume, first-last page): Continental shelf research, vol. 104, pp. 63-75

ISSN: 0278-4343

Year: 2015

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 1.892

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://www.sciencedirect.com/science/article/pii/S0278434315001405>

Authors: Ribas, F.; Falques, A.; de Swart, H.; Dodd, N.; Garnier, R.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Understanding coastal morphodynamic patterns from depth-averaged sediment concentration

Journal (title, volume, first-last page): Reviews of geophysics, vol. 53, pp. 362-410

ISSN: 8755-1209

Year: 2015

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 14.8

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/79295>

Authors: Fernández, M.; Calvete, D.; Falques, A.; de Swart, H.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Onshore sandbar migration in the surf zone: new insights into the wave-induced sediment transport mechanisms

Journal (title, volume, first-last page): Geophysical research letters, vol. 42, no. 8, pp. 2869-2877

ISSN: 0094-8276

Year: 2015

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 4.196

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text:

<http://onlinelibrary.wiley.com/doi/10.1002/2014GL063004/abstract?systemMessage=Wiley+Online+Library+will+be+disrupted+on+11th+July+2015+at+10:00-16:00+BST+/-+05:00-11:00+EDT+/-+17:00->

Authors: Ribas, F.; ten Doeschate, A.; de Swart, H.; Ruessink, B.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Observations and modeling of surf zone transverse finger bars at the Gold Coast, Australia

Journal (title, volume, first-last page): Ocean dynamics, vol. 64, no. 8, pp. 1193-1207

ISSN: 1616-7341

Year: 2014

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 1.943

Number of citations: 3

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://link.springer.com/article/10.1007%2Fs10236-014-0719-4>

Authors: Nnafie, A.; de Swart, H.; Calvete, D.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effects of sea level rise on the formation and drowning of shoreface-connected sand ridges, a model study

Journal (title, volume, first-last page): Continental shelf research, vol. 80, pp. 32-48

ISSN: 0278-4343

Year: 2014

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 1.892

Number of citations: 6

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://www.sciencedirect.com/science/article/pii/S0278434314000818>

Authors: Nnafie, A.; de Swart, H.; Calvete, D.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modeling the response of shoreface-connected sand ridges to sand extraction on an inner shelf

Journal (title, volume, first-last page): Ocean dynamics, vol. 64, no. 5, pp. 723-740

ISSN: 1616-7341

Year: 2014

Impact assessment agencies: JCR-Science Edition (2014)

Impact factor: 1.943

Number of citations: 3

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://link.springer.com/article/10.1007%2Fs10236-014-0714-9>

Authors: Idier, D.; Castelle, B.; Poumadère, M.; Balouin, Y.; Bohn Bertoldo, R.; Bouchette, F.; Boulahya, F.; Brivois, O.; Calvete, D.; Capo, S.; Certain, R.; Charles, E.; Chateauminois, E.; Delvallée, E.; Falques, A.; Fattal, P.; Garcin, M.; Garnier, R.; Héquette, A.; Larroudé, P.; Lecacheux, S.; Le Cozannet, G.; Maanan, M.; Mallet, C.; Maspataud, A.; Oliveros, C.; Paillart, M.; Parisot, J.; Pedreros, R.; Robin, N.; Robin, M.; Romieu, E.; Ruz, M.; Thiebot, J.; Vinchon, C.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Vulnerability of sandy coasts to climate variability

Journal (title, volume, first-last page): Climate research, vol. 57, no. 1, pp. 19-44

ISSN: 0936-577X

Year: 2013

Impact assessment agencies: JCR-Science Edition (2013)

Impact factor: 2.707

Number of citations: 5

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://www.int-res.com/abstracts/cr/v57/n1/p19-44/>

Authors: Garnier, R.; Falques, A.; Calvete, D.; Thiebot, J.; Ribas, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A mechanism for sandbar straightening by oblique wave incidence

Journal (title, volume, first-last page): Geophysical research letters, vol. 40, no. 11, pp. 2726-2730

ISSN: 0094-8276

Year: 2013

Impact assessment agencies: JCR-Science Edition (2013)

Impact factor: 4.456

Number of citations: 7

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://onlinelibrary.wiley.com/doi/10.1002/grl.50464/abstract>

Authors: Fernández, M.; Calvete, D.; Falques, A.; Ribas, F.; Idier, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On the predictability of mid-term cross-shore profile evolution

Journal (title, volume, first-last page): Journal of coastal research, pp. 476-481

ISSN: 0749-0208

Year: 2013

Impact assessment agencies: JCR-Science Edition (2013)

Impact factor: 0.755

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q4

Link to text: <http://hdl.handle.net/2117/26386>

Authors: Brivois, O.; Idier, D.; Thiébot, J.; Castelle, B.; Le Cozannet, G.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On the use of linear stability model to characterize the morphological behaviour of a double bar system. Application to Truc Vert beach (France)

Journal (title, volume, first-last page): Comptes rendus géoscience, vol. 344, no. 5, pp. 277-287

ISSN: 1631-0713

Year: 2012

Impact assessment agencies: JCR-Science Edition (2012)

Impact factor: 1.401

Number of citations: 4

Category Name:

Position of total number of Journals:

Third:

Quartile: Q3

Link to text: <http://dx.doi.org/10.1016/j.crte.2012.02.004>

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modeling and analyzing observed transverse sand bars in the surf zone

Journal (title, volume, first-last page): Journal of geophysical research, vol. 117, no. F02013, pp. 1-16

ISSN: 0148-0227

Year: 2012

Impact assessment agencies: JCR-Science Edition (2012)

Impact factor: 3.174

Number of citations: 5

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://www.agu.org/pubs/crossref/2012/2011JF002158.shtml>

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modeling waves, currents and sandbars on natural beaches: The effect of surface rollers

Journal (title, volume, first-last page): Journal of marine systems, vol. 88, no. 1, pp. 90-101

ISSN: 0924-7963

Year: 2011

Impact assessment agencies: JCR-Science Edition (2013)

Impact factor: 2.476

Number of citations: 9

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/26372>

Authors: Falques, A.; Calvete, D.; Ribas, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Shoreline instability due to very oblique wave incidence: some remarks on the physics

Journal (title, volume, first-last page): Journal of coastal research, vol. 27, no. 2, pp. 291-295

ISSN: 0749-0208

Year: 2011

Impact assessment agencies: JCR-Science Edition (2011)

Impact factor: 0.766

Number of citations: 7

Category Name:

Position of total number of Journals:

Third:

Quartile: Q4

Link to text: <http://hdl.handle.net/2117/12458>

Authors: Garnier, R.; Dodd, N.; Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Mechanisms controlling crescentic bar amplitude

Journal (title, volume, first-last page): Journal of geophysical research, vol. 115, no. F02007, pp. 1-14

ISSN: 0148-0227

Year: 2010

Impact assessment agencies: JCR-Science Edition (2010)

Impact factor: 3.303

Number of citations: 13

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://www.agu.org/pubs/crossref/2010/2009JF001407.shtml>

Authors: Thiebot, J.; Idier, D.; Falques, A.; Calvete, D.; Certain, R.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modeling sandbar morphodynamics by linear stability analysis: application to the Lido de Sete beach

Journal (title, volume, first-last page): Houille blanche-revue internationale de l'eau, no. 1, pp. 97-103

ISSN: 0018-6368

Year: 2010

Impact assessment agencies: JCR-Science Edition (2010)

Impact factor: 0.181

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q4

Link to text:

http://sauwok.fecyt.es/apps/full_record.do?product=UA&search_mode=GeneralSearch&qid=1&SID=R12C2N9kkNBke2a2JpJ&page=1&

Authors: Tiessen, M.; Leeuwen, S.; Calvete, D.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A field test of a linear stability model for crescentic bars

Journal (title, volume, first-last page): Coastal engineering, vol. 57, no. 1, pp. 41-51

ISSN: 0378-3839

Year: 2010

Impact assessment agencies: JCR-Science Edition (2011)

Impact factor: 1.757

Number of citations: 8

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text:

http://www.sciencedirect.com/science?_ob=ArticleURL&_udi=B6VCX-4XHT4C1-1&_user=1517299&_rdoc=1&_fmt=&_orig=search&_sort=d&_docanchor=&view=c&_acct=C000053450&_version=1&_urlVersion=0&_u serid=1517299&md5=5de1a24f8d8a6c03c34437c95f07659c

Authors: Vis-Star, N.; Calvete, D.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of wave-bedform feedbacks on the formation of, and grain sorting over shoreface-connected sand ridges

Journal (title, volume, first-last page): Ocean dynamics, vol. 59, no. 5, pp. 731-749

ISSN: 1616-7341

Year: 2009

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 2.468

Number of citations: 4

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text:

<http://www.springerlink.com/content/n511247q951781g3/>

Authors: Vis-Star, N.; de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Patch behaviour and predictability properties of modelled finite-amplitude sand ridges on the inner shelf

Journal (title, volume, first-last page): Nonlinear processes in geophysics, vol. 15, no. 6, pp. 943-955

ISSN: 1023-5809

Year: 2008

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 1.022

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q3

Link to text:

<Http://www.nonlin-processes-geophys.net/15/943/2008/>

Authors: Falques, A.; Dodd, N.; Garnier, R.; Ribas, F.; Machardy, L.; Larroude, P.; Calvete, D.; Sancho, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Rhythmic surf zone bars and morphodynamic self-organization

Journal (title, volume, first-last page): Coastal engineering, vol. 55, no. 7-8, pp. 622-641

ISSN: 0378-3839

Year: 2008

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 1.844

Number of citations: 15

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text:

<http://www.sciencedirect.com/science/article/pii/S0378383907001573>

Authors: Garnier, R.; Calvete, D.; Falques, A.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation and the long-term behavior of rip channel systems from the deformation of a longshore bar

Journal (title, volume, first-last page): Journal of geophysical research, vol. 113, no. C07053, pp. 1-18

ISSN: 0148-0227

Year: 2008

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 3.147

Number of citations: 31

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9405>

Authors: Garnier, R.; Bonneton, P.; Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation and the nonlinear evolution of crescentic bars of the Aquitanian coast

Journal (title, volume, first-last page): Houille blanche-revue internationale de l'eau, vol. 1, no. 3, pp. 33-38

ISSN: 0018-6368

Year: 2008

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 0.096

Number of citations: 1

Category Name:

Position of total number of Journals:

Third:

Quartile: Q4

Link to text: http://upcommons.upc.edu/e-prints/retrieve/82885/HB_459466d_033a038_eb.pdf

Authors: Dodd, N.; Stoker, A.; Calvete, D.; Sriariyawat, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On beach cusp formation

Journal (title, volume, first-last page): Journal of fluid mechanics, no. 597, pp. 145-169

ISSN: 0022-1120

Year: 2008

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 2.315

Number of citations: 19

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://journals.cambridge.org/action/displayAbstract?aid=1692012>

Authors: de Swart, H.E.; Walgreen, M.; Calvete, D.; Vis-Star, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nonlinear modelling of shoreface-connected ridges; impact of grain sorting and interventions

Journal (title, volume, first-last page): Coastal engineering, vol. 55, no. 7-8, pp. 642-656

ISSN: 0378-3839

Year: 2008

Impact assessment agencies: JCR-Science Edition (2009)

Impact factor: 2.404

Number of citations: 5

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://www.sciencedirect.com/science/article/pii/S0378383907001585>

Authors: Garnier, R.; Calvete, D.; Falques, A.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation and the long term behaviour of rip channel systems from the deformation of a longshore bar

Journal (title, volume, first-last page): Journal of geophysical research, pp. ---

ISSN: 0148-0227

Year: 2007

Impact assessment agencies: JCR-Science Edition (2007)

Impact factor: 2.953

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text:

Authors: Vis-Star, N.; de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of wave-topography interactions on the formation of sand ridges on the shelf

Journal (title, volume, first-last page): Journal of geophysical research, vol. 112, no. C06012, pp. 1-17

ISSN: 0148-0227

Year: 2007

Impact assessment agencies: JCR-Science Edition (2007)

Impact factor: 2.953

Number of citations: 13

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9410>

Authors: Leeuwen, V.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Linear evolution of a shoreface nourishment

Journal (title, volume, first-last page): Coastal engineering, vol. 54, no. 5, pp. 417-431

ISSN: 0378-3839

Year: 2007

Impact assessment agencies: JCR-Science Edition (2008)

Impact factor: 1.844

Number of citations: 2

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://www.sciencedirect.com/science/article/pii/S0378383906001864>

Authors: Calvete, D.; Coco, G.; Falques, A.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: (Un)predictability in rip channel systems

Journal (title, volume, first-last page): Geophysical research letters, vol. 34, no. L05605, pp. 1-5

ISSN: 0094-8276

Year: 2007

Impact assessment agencies: JCR-Science Edition (2007)

Impact factor: 2.744

Number of citations: 19

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9391>

Authors: Garnier, R.; Calvete, D.; Falques, A.; Caballería, M.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Generation and nonlinear evolution of shore-oblique/transverse sand bars

Journal (title, volume, first-last page): Journal of fluid mechanics, vol. 567, pp. 327-360

ISSN: 0022-1120

Year: 2006

Impact assessment agencies: JCR-Science Edition (2006)

Impact factor: 2.022

Number of citations: 46

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://journals.cambridge.org/action/displayAbstract?aid=523880>

Authors: Leeuwen, S.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Physics of nearshore bed pattern formation under regular or random waves

Journal (title, volume, first-last page): Journal of geophysical research, vol. 111, no. F01023, pp. 1-16

ISSN: 0148-0227

Year: 2006

Impact assessment agencies: JCR-Science Edition (2006)

Impact factor: 2.8

Number of citations: 11

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9482>

Authors: Calvete, D.; Dodd, N.; Falques, A.; Leeuwen, V.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphological development of rip channel systems: normal and near-normal wave incidence

Journal (title, volume, first-last page): Journal of geophysical research, vol. 110, no. C10006, pp. 1-18

ISSN: 0148-0227

Year: 2005

Impact assessment agencies: JCR-Science Edition (2005)

Impact factor: 2.784

Number of citations: 51

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9477>

Authors: Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Large-scale dynamics of sandy coastlines: diffusivity and instability

Journal (title, volume, first-last page): Journal of geophysical research, vol. 110, no. C03007, pp. 1-15

ISSN: 0148-0227

Year: 2005

Impact assessment agencies: JCR-Science Edition (2005)

Impact factor: 2.784

Number of citations: 30

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9381>

Authors: Walgreen, M.; de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A model for grain-size sorting over tidal sand ridges

Journal (title, volume, first-last page): Ocean dynamics, vol. 54, no. 3-4, pp. 374-384

ISSN: 1616-7341

Year: 2004

Impact assessment agencies: JCR-Science Edition (2006)

Impact factor: 1.165

Number of citations: 11

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://springerlink.metapress.com/content/txl1cpvje2km5j9d/>

Authors: de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Non-linear response of shoreface-connected sand ridges

Journal (title, volume, first-last page): Ocean dynamics, vol. 53, no. 3, pp. 270-277

ISSN: 1616-7341

Year: 2003

Impact assessment agencies: JCR-Science Edition (2006)

Impact factor: 1.165

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://springerlink.metapress.com/content/v5e5btetyl4v991wg>

Authors: Calvete, D.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A nonlinear model study on the long-term behaviour of shore face-connected sand ridges

Journal (title, volume, first-last page): Journal of geophysical research, vol. 108, no. C5, 3169, pp. 1-15

ISSN: 0148-0227

Year: 2003

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 2.992

Number of citations: 16

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9486>

Authors: Walgreen, M.; de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of grain size sorting on the formation of shoreface-connected sand ridges

Journal (title, volume, first-last page): Journal of geophysical research, vol. 108, no. C3 3063, pp. 1-16

ISSN: 0148-0227

Year: 2003

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 2.992

Number of citations: 15

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://hdl.handle.net/2117/9411>

Authors: Dodd, N.; Blondeaux, P.; Calvete, D.; de Swart, H.E.; Falques, A.; Hulscher, S.; Rozynski, G.; Vittori, G.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The use of stability methods for understanding the morphodynamic behavior of coastal systems

Journal (title, volume, first-last page): Journal of coastal research, vol. 19, no. 4, pp. 849-865

ISSN: 0749-0208

Year: 2003

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 0.772

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q3

Link to text:

Authors: Dodd, N.; Blondeaux, P.; Calvete, D.; de Swart, H.E.; Falques, A.; Hulscher, S.; Rózyński, G.; Vittori, G.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Understanding coastal morphodynamics using stability methods

Journal (title, volume, first-last page): Journal of coastal research, vol. 19, no. 4, pp. 849-865

ISSN: 0749-0208

Year: 2003

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 0.772

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q3

Link to text: <http://hdl.handle.net/2117/16274>

Authors: Calvete, D.; de Swart, H.E.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of depth-dependent wave stirring on the final amplitude of shoreface-connected sand ridges

Journal (title, volume, first-last page): Continental shelf research, vol. 22, no. 18-19, pp. 2763-2776

ISSN: 0278-4343

Year: 2002

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 1.191

Number of citations: 15

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://www.sciencedirect.com/science/article/pii/S0278434302001255>

Authors: Walgreen, M.; Calvete, D.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Growth of large-scale bed forms due to storm-driven and tidal currents: a model approach

Journal (title, volume, first-last page): Continental shelf research, vol. 22, no. 18-19, pp. 2777-2793

ISSN: 0278-4343

Year: 2002

Impact assessment agencies: JCR-Science Edition (2003)

Impact factor: 1.191

Number of citations: 14

Category Name:

Position of total number of Journals:

Third:

Quartile: Q2

Link to text: <http://www.sciencedirect.com/science/article/pii/S0278434302001267>

Authors: Vaart, P.; Schuttelaars, H.; Calvete, D.; Dijkstra, H.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Instability of time-dependent wind-driven ocean gyres

Journal (title, volume, first-last page): Physics of fluids, vol. 14, no. 10, pp. 3601-3615

ISSN: 1070-6631

Year: 2002

Impact assessment agencies: JCR-Science Edition (2002)

Impact factor: 1.697

Number of citations: 6

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: http://pof.aip.org/phfle6/v14/i10/p3601_s1

Authors: Calvete, D.; Dodd, N.; Damgaard, J.; Falques, A.; Chester, T.; Hall, L.

Research groups : DF - Nonlinear Fluid Dynamics

Title: MOdelling the formation of rip chanel systems

Journal (title, volume, first-last page): Geophysical research abstracts, vol. 4

ISSN: 1029-7006

Year: 2002

Impact assessment agencies:

Impact factor:

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile:

Link to text:

Authors: Calvete, D.; Falques, A.; de Swart, H.E.; Walgreen, M.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation of shoreface-connected sand ridges on storm-dominated inner shelves

Journal (title, volume, first-last page): Journal of fluid mechanics, vol. 441, pp. 169-193

ISSN: 0022-1120

Year: 2001

Impact assessment agencies: JCR-Science Edition (2001)

Impact factor: 1.912

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://journals.cambridge.org/action/displayAbstract?aid=82975>

Authors: Calvete, D.; Walgreen, M.; de Swart, H.E.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A model for sand ridges on the shelf: effect of tidal and steady currents

Journal (title, volume, first-last page): Journal of geophysical research, vol. 106, no. C5, pp. 9311-9325

ISSN: 0148-0227

Year: 2001

Impact assessment agencies: JCR-Science Edition (2001)

Impact factor: 2.609

Number of citations: 20

Category Name:

Position of total number of Journals:

Third:

Quartile: Q1

Link to text: <http://www.agu.org/journals/ABS/2001/2001JC900001.shtml>

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On the long-term modelling of shoreface-connected sand ridges

Journal (title, volume, first-last page): Geophysical research abstracts, vol. 3

ISSN: 1029-7006

Year: 2001

Impact assessment agencies:

Impact factor:

Number of citations:

Category Name:

Position of total number of Journals:

Third:

Quartile:

Link to text:

A.2 Conference papers

Authors: Fernández, M.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphodynamics effects of wave velocity skewness on sediment transport formulas

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: ICCE 2014 - Book of Abstracts. 2014.

URL to publication:

Conference edition: 34rd International Conference on Coastal Engineering

Type of conference edition: Conference

Year: 2014

Town/city:

Country:

Authors: Falques, A.; Arriaga, J.; Calvete, D.; Idier, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Km-scale shoreline sand waves and new insights into the depth of closure

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: ICCE 2014 - Book of Abstracts. 2014.

URL to publication:

Conference edition: 34rd International Conference on Coastal Engineering

Type of conference edition: Conference

Year: 2014

Town/city:

Country:

Authors: ten Doeschate, A.; Ribas, F.; de Swart, H.E.; Ruessink, B.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Observations and modeling of transverse finger bars

Pages (first-last): 1643-1654

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Coastal Dynamics 2013: 24-28 June 2013: Arcachon Convention Centre, France. 2013.

URL to publication:

Conference edition: 7th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2013

Town/city: Arcachon

Country: France

Authors: Fernández, M.; Calvete, D.; Falques, A.; Idier, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A cross - shore profile evolution comparison for different sediment transport parameterizations in a natural beach (Truc Vert, France)

Pages (first-last): 381-381

Type of document: Abstract-Conference Paper

ISBN: 0749-0208

Legal deposit no.:

Published: Proceedings 12th International Coastal Symposium ICS2013: Plymouth Devon, United Kingdom, 9th to 12th April 2013. Coastal Education Research Foundation (CERF), Coastal Processes Research Group, School of Marine Science and Engineering, Plymouth University. 2013.

URL to publication: <http://ics2013.org/default.asp?page=proceedings>

Conference edition: 12th International Coastal Symposium

Type of conference edition: Conference

Year: 2013

Town/city: Plymouth

Country: United Kingdom

Authors: Nnafie, A.; de Swart, H.; Garnier, R.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nonlinear response of inner shelf sand ridges to human interventions

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Geophysical Research Abstracts. European Geosciences Union (EGU). 2013.

URL to publication:

Conference edition: EGU General Assembly 2013

Type of conference edition: Conference

Year: 2013

Town/city: Viena

Country:

Authors: Calvete, D.; Ribas, F.; Coco, G.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Characterization of crescentic patterns in double bar systems

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Book of Abstracts : 8th Symposium on River, Coastal and Estuarine Morphodynamics. 2013.

URL to publication:

Conference edition: 8th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2013

Town/city: Santander

Country: Espanya

Authors: Nnaize, A.; de Swart, H.E.; Calvete, D.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effects of sea level change on the formation and long-term evolution of shoreface-connected sand ridges

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Book of Abstracts : 8th Symposium on River, Coastal and Estuarine Morphodynamics. 2013.

URL to publication:

Conference edition: 8th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2013

Town/city: Santander

Country: Espanya

Authors: Fernández, M.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Wave skewness effects on beach profile morphodynamics

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Book of Abstracts : 8th Symposium on River, Coastal and Estuarine Morphodynamics. 2013.

URL to publication:

Conference edition: 8th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2013

Town/city: Santander

Country: Espanya

Authors: Fernández, M.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Equilibrium morphodynamic profiles under skewed waves

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Extended Abstracts of Coastal Dynamics 2013. 2013.

URL to publication:

Conference edition: 7th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2013

Town/city: Arcachon

Country: France

Authors: Calvete, D.; Ribas, F.; de Swart, H.E.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of surface rollers on the formation of crescentic bars

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: EFMC9: 9th European Fluid Mechanics Conference, 9-13 September 2012 University of Rome "Tor Vergata". 2012.

URL to publication: <http://www.efmc9.eu/absbook/index.html>

Conference edition: 9th European Fluid Mechanics Conference

Type of conference edition: Conference

Year: 2012

Town/city: Roma

Country: Italy

Authors: de Swart, H.E.; Nnafie, A.; Garnier, R.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nonlinear dynamics of shoreface-connected sand ridges: the role of wave-topography feedbacks and 3D processes

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: EFMC9: 9th European Fluid Mechanics Conference, 9-13 September 2012 University of Rome "Tor Vergata". 2012.

URL to publication: <http://www.efmc9.eu/absbook/index.html>

Conference edition: 9th European Fluid Mechanics Conference

Type of conference edition: Conference

Year: 2012

Town/city: Roma

Country: Italy

Authors: Fernández, M.; Calvete, D.; Falques, A.; Ribas, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Beach profile evolution for different sediment transport models

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: EFMC9: 9th European Fluid Mechanics Conference, 9-13 September 2012 University of Rome "Tor Vergata". 2012.

URL to publication: <http://www.efmc9.eu/absbook/index.html>

Conference edition: 9th European Fluid Mechanics Conference

Type of conference edition: Conference

Year: 2012

Town/city: Roma

Country: Italy

Authors: Calvete, D.; Ribas, F.; de Swart, H.E.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of surface rollers on the formation of crescentic bars: large angles of incidence

Pages (first-last): 1-5

Type of document: Article-Conference Paper

ISBN: 978-0-9896611-1-9

Legal deposit no.:

Published: Proceedings of 33rd Conference on Coastal Engineering, Santander, Spain, 2012. Coastal Engineering Research Council. 2012.

URL to publication: <http://journals.tdl.org/icce/index.php/icce/issue/view/361>

Conference edition: 33rd International Conference on Coastal Engineering

Type of conference edition: Conference

Year: 2012

Town/city: Santander

Country: Espanya

Authors: de Swart, H.E.; Nnafie, A.; Garnier, R.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effects of wave-topography feedbacks and radiation stresses on the nonlinear dynamics of shoreface-connected sand ridges

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 1607-7962

Legal deposit no.:

Published: Geophysical Research Abstracts, vol. 14: Vienna, Austria, 22-27 April, 2011. 2012.

URL to publication: http://www.geophysical-research-abstracts.net/gra_volume_14.pdf

Conference edition: EGU General Assembly 2012

Type of conference edition: Conference

Year: 2012

Town/city: Viena

Country: Austria

Authors: Calvete, D.; Coco, G.; Ribas, F.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Formation of crescentic bars in double sandbar systems

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 1607-7962

Legal deposit no.:

Published: Geophysical Research Abstracts, vol. 14: Vienna, Austria, 22-27 April, 2011. 2012.

URL to publication: http://www.geophysical-research-abstracts.net/gra_volume_14.pdf

Conference edition: EGU General Assembly 2012

Type of conference edition: Conference

Year: 2012

Town/city: Viena

Country: Austria

Authors: Calvete, D.; de Swart, H.E.; Ribas, F.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of surface rollers on the formation crescentic bars

Pages (first-last): 2152-2159

Type of document: Article-Conference Paper

ISBN: 978-7-89444-548-3

Legal deposit no.:

Published: Proceeding of the 7th IAHR Symposium on River, Coastal and Estuarine Morphodynamics. 2011.

URL to publication:

Conference edition: The 7th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2011

Town/city: Pekin

Country: China

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation of transverse sand bars: application to Duck beach, USA

Pages (first-last): 2160-2170

Type of document: Article-Conference Paper

ISBN: 978-7-89444-548-3

Legal deposit no.:

Published: Proceeding of the 7th IAHR Symposium on River, Coastal and Estuarine Morphodynamics. 2011.

URL to publication:

Conference edition: The 7th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2011

Town/city: Pekin

Country: China

Authors: Nnafie, A.; de Swart, H.E.; Garnier, R.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Formation of shoreface-connected sand ridges: effects of rigid-lid approach, quasi-steady approach and wave-topography feedbacks

Pages (first-last): 2114-2123

Type of document: Article-Conference Paper

ISBN: 978-7-89444-548-3

Legal deposit no.:

Published: Proceeding of the 7th IAHR Symposium on River, Coastal and Estuarine Morphodynamics. 2011.

URL to publication:

Conference edition: The 7th Symposium on River, Coastal and Estuarine Morphodynamics

Type of conference edition: Conference

Year: 2011

Town/city: Pekin

Country: China

Authors: Falques, A.; Van den Berg, N.; Ribas, F.; Caballería, M.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On the wavelength of self-organized shoreline sand waves

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 1607-7962

Legal deposit no.:

Published: Geophysical Research Abstracts, vol. 14: Vienna, Austria, 22-27 April, 2011. 2012.

URL to publication: http://www.geophysical-research-abstracts.net/gra_volume_14.pdf

Conference edition: EGU General Assembly 2012

Type of conference edition: Conference

Year: 2012

Town/city: Viena

Country: Austria

Authors: Ribas, F.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Comparison of modelled nearshore transverse sandbars with field observations

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 1607-7962

Legal deposit no.:

Published: Geophysical research abstracts, vol.12. 2010.

URL to publication: http://www.geophysical-research-abstracts.net/gra_volume_12.pdf

Conference edition: European Geosciences Union General Assembly 2010

Type of conference edition: Conference

Year: 2010

Town/city: Viena

Country: Austria

Authors: Falques, A.; van den Berg, N.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The role of cross-shore profile dynamics on shoreline instability due to high-angle waves

Pages (first-last): 1826-1838

Type of document: Article-Conference Paper

ISBN: 978-981-4277-36-5

Legal deposit no.:

Published: Coastal Engineering 2008. 2009.

URL to publication: <http://www.worldscibooks.com/engineering/7342.html>

Conference edition: 31st International Conference on Coastal Engineering

Type of conference edition: Conference

Year: 2008

Town/city: Hamburg

Country: Germany

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the characteristics and dynamics of surfzone transverse sand bars observed at Noordwijk beach

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Book of abstracts of Dynamics Days Europe 2008. - . 2009.

URL to publication:

Conference edition: Dynamics Days Europe 2008

Type of conference edition: Conference

Year: 2008

Town/city: Delft

Country: Netherlands

Authors: Calvete, D.; Coco, G.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The use of linear stability analysis to characterize the variability of multiple sandbar systems

Pages (first-last): 1-11

Type of document: Article-Conference Paper

ISBN: 978-981-4282-46-8

Legal deposit no.:

Published: Proceedings of coastal dynamics 2009 Impacts of Human Activities on Dynamic Coastal Processes. World Scientific Publishing Company. 2009.

URL to publication: <http://eproceedings.worldscinet.com/9789814282475/toc.shtml>

Conference edition: 6th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2009

Town/city: Tokyo

Country: Japan

Authors: Garnier, R.; Dodd, N.; Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: A mechanism inhibiting rip channel formation for oblique waves

Pages (first-last): 1-13

Type of document: Article-Conference Paper

ISBN: 978-981-4282-46-8

Legal deposit no.:

Published: Proceedings of coastal dynamics 2009 Impacts of Human Activities on Dynamic Coastal Processes. World Scientific Publishing Company. 2009.

URL to publication: <http://eproceedings.worldscinet.com/9789814282475/toc.shtml>

Conference edition: 6th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2009

Town/city: Tokyo

Country: Japan

Authors: Calvete, D.; Falques, A.; de Swart, H.E.; Dodd, N.; Ribas, F.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The role of the depth-averaged concentration in coastal morphodynamics

Pages (first-last): 10

Type of document: Article-Conference Paper

ISBN: 978-981-4282-46-8

Legal deposit no.:

Published: Proceedings of coastal dynamics 2009 Impacts of Human Activities on Dynamic Coastal Processes. World Scientific Publishing Company. 2009.

URL to publication: <http://eproceedings.worldscinet.com/9789814282475/toc.shtml>

Conference edition: 6th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2009

Town/city: Tokyo

Country: Japan

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The role of surface rollers on the formation of surfzone transverse sand bars

Pages (first-last): 1-12

Type of document: Article-Conference Paper

ISBN: 978-981-4282-46-8

Legal deposit no.:

Published: Proceedings of coastal dynamics 2009 Impacts of Human Activities on Dynamic Coastal Processes. World Scientific Publishing Company. 2009.

URL to publication: <http://eproceedings.worldscinet.com/9789814282475/toc.shtml>

Conference edition: 6th International Conference on Coastal Dynamics

Type of conference edition: Conference

Year: 2009

Town/city: Tokyo

Country: Japan

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the characteristics and dynamics of surfzone transverse sand bars observed on natural beaches

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Book of abstracts of the 41st International Liège Colloquium on Ocean Dynamics. 2009.

URL to publication:

Conference edition: 41st International Liège Colloquium on Ocean Dynamics

Type of conference edition: Conference

Year: 2009

Town/city: Liège

Country: Belgium

Authors: Bruna, P.; Calvete, D.; Crespo, D.; Pilar, G.; Gutierrez, J.; Torres, S.; Alonso, M.

Research groups : GCM - Group of Characterization of Materials; GAA - Astronomy and Astrophysics Group; DF - Nonlinear Fluid Dynamics

Title: Análisis de la aplicación de nuevas metodologías docentes en ingeniería

Pages (first-last):

Type of document: Article-Conference Paper

ISBN: -

Legal deposit no.:

Published: -. Arantxa Alonso, Pere Bruna, Daniel Calvete, Daniel Crespo, Pilar Gil, Jordi Gutierrez & Santiago Torres. 2008.

URL to publication:

Conference edition: VI Taller Iberoamericano de Educación en Ciencia e Ingeniería de Materiales (TIECIM)

Type of conference edition: Conference

Year: 2008

Town/city: Barcelona

Country: Espanya

Authors: Calvete, D.; Falques, A.; de Swart, H.E.; Dodd, N.; Ribas, F.; Garnier, R.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The role of depth-averaged concentration in coastal morphodynamics

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Geophysical Research Abstract, Vol.10. EGU. 2008.

URL to publication:

Conference edition: European Geosciences Union General Assembly 2008

Type of conference edition: Conference

Year: 2008

Town/city: Viena

Country: Austria

Authors: de Swart, H.E.; Vis-Start, N.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Limited predictability properties of modelled sand ridges on the inner shelf

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Tiessen, M.; Leeuwen, S.; Calvete, D.; Dodd, N.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Analysis of the morphodynamical development of crescentic bed patterns at Duck over two months in 1998

Pages (first-last): 729-736

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Ribas, F.; Calvete, D.; Falques, A.; de Swart, H.E.; Kroon, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Comparing observed surfzone transverse finger bars with model results

Pages (first-last): 713-720

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Coco, G.; Calvete, D.; Falques, A.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: The role of initial bathymetry on rip channel formation

Pages (first-last): 745-751

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Garnier, R.; Calvete, D.; Dodd, N.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the interaction between transverse and crescentic bar systems

Pages (first-last): 931-937

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Vis-Star, N.; de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Finite amplitude dynamics of shoreface-connected ridges: Role of waves

Pages (first-last): 691-698

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: River, Coastal and Estuarine Morphodynamics: RCEM 2007. Dohmen-Janssen & Hulscher(eds), Taylor & Francis Group. 2007.

URL to publication:

Conference edition: 5th IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2007)

Type of conference edition: Conference

Year: 2007

Town/city: Enschede

Country: Netherlands

Authors: Ribas, F.; Garnier, R.; Ojeda, E.; Falques, A.; Guillén, J.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Observation and Modeling of Crescentic Bars in Barcelona Embayed Beaches

Pages (first-last): 2111-2123

Type of document: Article-Conference Paper

ISBN: 0784409269

Legal deposit no.:

Published: Coastal Sediments '07. Nicholas C. Kraus, Julie Dean Rosati. 2007.

URL to publication:

Conference edition: Sixth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes. Coastal Sediments 07

Type of conference edition: Conference

Year: 2007

Town/city: New Orleans, Louisiana

Country: United States of America

Authors: Garnier, R.; Falques, A.; Calvete, D.; Caballería, M.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling ridge and runnel system development from an intertidal shore parallel bar

Pages (first-last): 2679-2690

Type of document: Article-Conference Paper

ISBN: 13 978-981-270-636-2

Legal deposit no.:

Published: Proceedings of the 30th International Conference on Coastal Engineering. 3-8 September 2006, San Diego, California, USA. Ed. Jane McKee Smith. World Scientific Publishing Co.. 2007.

URL to publication:

Conference edition: 30th International Conference on Coastal Engineering (ICCE 2006)

Type of conference edition: Conference

Year: 2006

Town/city: San Diego

Country: United States of America

Authors: Garnier, R.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nonlinear modelling of nearshore sand bars from self organization processes: a 'Global Analysis'

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts. European Geosciences Union. 2007.

URL to publication:

Conference edition: EGU General Assembly 2007

Type of conference edition: Conference

Year: 2007

Town/city: Vienna

Country: Austria

Authors: de Swart, H.E.; Vis-Start, N.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Limited predictability properties of modelled sand ridges on the inner shelf

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts. European Geosciences Union. 2007.

URL to publication:

Conference edition: EGU General Assembly 2007

Type of conference edition: Conference

Year: 2007

Town/city: Vienna

Country: Austria

Authors: Leeuwen, S.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Stochastic processes in beach response predictions

Pages (first-last): 2159-2169

Type of document: Article-Conference Paper

ISBN: 981-256-298-2

Legal deposit no.:

Published: Coastal Engineering 2004, Proceedings of the 29th International Conference. Jane McKee Smith / World Scientific. 2005.

URL to publication:

Conference edition: 29th International Conference on Coastal Engineering (ICCE 2004)

Type of conference edition: Conference

Year: 2004

Town/city: Lisboa

Country: Portugal

Authors: Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nueva formulación del modelo de una línea para la dinámica de la línea de costa

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: VIII Jornadas Españolas de Ingeniería de Costas y Puertos. Jose A. Jiménez. 2005.

URL to publication:

Conference edition: VIII Jornadas Españolas de Ingeniería de Costas y Puertos

Type of conference edition: Working session

Year: 2005

Town/city: Sitges

Country: Espanya

Authors: Garnier, R.; Calvete, D.; Falques, A.; Caballería, M.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Generation and Nonlinear Evolution of Nearshore Oblique Sand Bars

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Coastal Dynamics 2005. 5th Int. Conf. on Coastal Dynamics. Book of Abstracts. LIM/UPC. 2005.

URL to publication: <http://www.coastaldynamics.org>

Conference edition: Fifth Coastal Dynamics International Conference. Coastal Dynamics 2005

Type of conference edition: Conference

Year: 2005

Town/city: Barcelona

Country: Espanya

Authors: Leeuwen, V.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Stochastic proceses in beach response predictions

Pages (first-last): 2159-2169

Type of document: Article-Conference Paper

ISBN: 981-256-298-2

Legal deposit no.:

Published: Coastal Engineering. Proceedings of the 29th Internacional Conference. World Scientific Publishing. 2005.

URL to publication:

Conference edition: 29th International Conference on Coastal Engineering (ICCE 2004)

Type of conference edition: Conference

Year: 2004

Town/city: Lisboa

Country: Portugal

Authors: Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Large scale coastline dynamics and sand waves

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Coastal Dynamics 2005. 5th Int. Conf. on Coastal Dynamics. Book of Abstracts. LIM/UPC. 2005.

URL to publication: <http://www.coastaldynamics.org>

Conference edition: Fifth Coastal Dynamics International Conference. Coastal Dynamics 2005

Type of conference edition: Conference

Year: 2005

Town/city: Barcelona

Country: Espanya

Authors: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.; Dodd, N.; Leeuwen, S.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Sensitivity of Modeled Nearshore Morphology to Wave and Sediment Transport Formulations

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Coastal Dynamics 2005. 5th Int. Conf. on Coastal Dynamics. Book of Abstracts. LIM/UPC. 2005.

URL to publication: <http://www.coastaldynamics.org>

Conference edition: Fifth Coastal Dynamics International Conference. Coastal Dynamics 2005

Type of conference edition: Conference

Year: 2005

Town/city: Barcelona

Country: Espanya

Authors: Leeuwen, S.; Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Stochastic processes in beach response predictions

Pages (first-last): 2159-2169

Type of document: Article-Conference Paper

ISBN: 978-981-256-298-2

Legal deposit no.:

Published: Coastal Engineering 2004 (ASCE). J. McKee Smith (Ed.). 2005.

URL to publication:

Conference edition: Coastal Engineering 2004 (ASCE)

Type of conference edition: Conference

Year: 2004

Town/city: Lisboa

Country: Portugal

Authors: Falques, A.; de Swart, H.E.; Calvete, D.; RIBAS, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the dynamics of beach profiles, bars and ridges near uninterrupted coasts

Pages (first-last):

Type of document: Article-Conference Paper

ISBN: 84-95662-29-9

Legal deposit no.:

Published: Jornadas sobre avances en Ingeniería de Costas y Oceanografía Operacional. M.A. Losada y A. Baquerizo. 2003.

URL to publication:

Conference edition: Jornadas sobre avances en Ingeniería de Costas y Oceanografía Operacional

Type of conference edition: Working session

Year: 2003

Town/city: Barcelona

Country: Espanya

Authors: Caballería, M.; Calvete, D.; Coco, G.; Dodd, N.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Formation and alongshore spacing of crescentic bars

Pages (first-last): 310-319

Type of document: Article-Conference Paper

ISBN: 9080564966

Legal deposit no.:

Published: Symposium on River, Coastal & Estuarine Morphodynamics. Agustin Sanchez-Arcilla Conejo, Allen Bateman Pinzon. 2003.

URL to publication: <http://www-ehma.upc.es/rcem2003>

Conference edition: 3rd IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCem 2003)

Type of conference edition: Symposium

Year: 2003

Town/city: Barcelona

Country: Espanya

Authors: Falques, A.; Calvete, D.
Research groups : DF - Nonlinear Fluid Dynamics
Title: Propagation of coastline sand waves
Pages (first-last): 903-912 **Type of document:** Article-Conference Paper
ISBN: 9080564966 **Legal deposit no.:**
Published: Symposium on River, Coastal & Estuarine Morphodynamics. Agustin Sanchez-Arcilla Conejo, Allen Bateman Pinzon. 2003.
URL to publication: <http://www-ehma.upc.es/rcem2003>
Conference edition: 3rd IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM 2003)
Type of conference edition: Symposium **Year:** 2003
Town/city: Barcelona **Country:** Espanya

Authors: Falques, A.; Calvete, D.
Research groups : DF - Nonlinear Fluid Dynamics
Title: Shoreline sand waves and 1D coastal modelling
Pages (first-last): **Type of document:** Article-Conference Paper
ISBN: 981-238-422-7 **Legal deposit no.:**
Published: Coastal Sediments 2003 Crossing Disciplinary Boundaries. East Meets West / World Scientific Publishing Corp.. 2003.
URL to publication: <http://www.coastalsediments.net>
Conference edition: Fifth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes. Coastal Sediments 03: Crossing Disciplinary Boundaries
Type of conference edition: Conference **Year:** 2003
Town/city: Florida **Country:** United States of America

Authors: Falques, A.; Calvete, D.; Caballería, M.
Research groups : DF - Nonlinear Fluid Dynamics
Title: Ondas de erosión/acreción a lo largo de la costa
Pages (first-last): 1-1 **Type of document:** Abstract-Conference Paper
ISBN: SA-439-2003 **Legal deposit no.:**
Published: VII Jornadas Españolas de Ingeniería de Costas y Puertos. Libro de Resúmenes. M.A. Losada y M^a del C. Castillo / Fundación para el Fomento de la Ingeniería del Agua. 2003.
URL to publication: <http://www.puertoscostas.com/almeria2003>
Conference edition: VII Jornadas Españolas de Ingeniería de Costas y Puertos
Type of conference edition: Conference **Year:** 2003
Town/city: Almería **Country:** Espanya

Authors: Falques, A.; Calvete, D.
Research groups : DF - Nonlinear Fluid Dynamics
Title: Dynamics of small amplitude shoreline sand waves
Pages (first-last): **Type of document:** Abstract-Conference Paper
ISBN: 1607-7962 **Legal deposit no.:**
Published: EGS-AGU-EUG Joint Assembly. European Geophysical Society. 2003.
URL to publication:
Conference edition: XXVIII General Assembly. European Geophysical Society. EGS-AGU-EUG 2003 Joint Assembly
Type of conference edition: Conference **Year:** 2003
Town/city: Niza **Country:** France

Authors: Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Dynamics of small amplitude shoreline sand wave

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts, vol. 5. EGS-AGU-EUG Joint Assembly. 2003.

URL to publication:

Conference edition: XXVIII General Assembly. European Geophysical Society. EGS-AGU-EUG 2003 Joint Assembly

Type of conference edition: Conference

Year: 2003

Town/city: Niza

Country: France

Authors: Dodd, N.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphodynamic development of nearshore bedforms

Pages (first-last): 3321-3332

Type of document: Article-Conference Paper

ISBN: 981-238-238-0

Legal deposit no.:

Published: Coastal Engineering 2002 - Proceedings of the 28th International Conference on Coastal Engineering. American Society of Civil Engineers (ASCE), USA.. 2003.

URL to publication:

Conference edition: 28th International Conference on Coastal Engineering (ICCE 2002)

Type of conference edition: Conference

Year: 2002

Town/city: Cardiff

Country: United Kingdom

Authors: de Swart, H.E.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Nonlinear response of shoreface-connected sand ridges to interferences

Pages (first-last): 292-295

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: 11th International Biennial Conference on Physics of estuaries and Coastal Seas. Extended Abstracts.. H. Burchard, B. Gardeike, I. Garbemann, J. Kappenberg. 2002.

URL to publication:

Conference edition: 11th International Biennial Conference on Physics of Estuaries and Coastal Seas

Type of conference edition: Conference

Year: 2002

Town/city: Hamburg

Country: Germany

Authors: Calvete, D.; Dodd, N.; Damgaard, J.; Falques, A.; Chesher, T.; Hall, L.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the formation of rip channel systems

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts. European Geophysical Society. 2002.

URL to publication:

Conference edition: 27th General Assembly of the European Geophysical Society

Type of conference edition: Conference

Year: 2002

Town/city: Niça

Country: France

Authors: Dodd, N.; Damgaard, J.; Chesher, T.; Hall, L.; Calvete, D.; Falques, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphodynamic Modeling of Rip Channel Growth

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 0096-3941

Legal deposit no.:

Published: Eos Transactions. American Geophysical Union, 82(47), Fall Meet. Suppl.. American Geophysical Union. 2001.

URL to publication:

Conference edition: AGU Fall Meeting

Type of conference edition: Conference

Year: 2001

Town/city: San Francisco

Country: United States of America

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: On the long-term modeling of shoreface-connected sand ridges

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts. European Geophysical Society. 2001.

URL to publication:

Conference edition: 26th General Assembly of the European Geophysical Society (EGS)

Type of conference edition: Conference

Year: 2001

Town/city: Niza

Country: France

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Effect of depth-dependent wave stirring on the final amplitude of the shoreface-connected sand ridges

Pages (first-last): 208-211

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: 10th International biennial conference on physics of estuaries and coastal seas. Carl T. Friedrichs y Arnaldo Valle-Levinson. 2000.

URL to publication:

Conference edition: 10th International Biennial Conference on Physics of Estuaries and Coastal Seas

Type of conference edition: Conference

Year: 2000

Town/city: Norfolk, Virginia

Country: United States of America

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Influence of shoreface-connected sand ridges on water motions and transport processes in storm-dominated shelves

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN: 1029-7006

Legal deposit no.:

Published: Geophysical research abstracts, vol. 2. EUROPEAN GEOPHYSICAL SOCIETY. 2000.

URL to publication:

Conference edition: XXV GENERAL ASSEMBLY OF EUROPEAN GEOPHYSICAL SOCIETY

Type of conference edition: Conference

Year: 2000

Town/city: NICE

Country: France

Authors: Falques, A.; Calvete, D.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphodynamic of shoreface connected ridges

Pages (first-last): 2851-2864

Type of document: Article-Conference Paper

ISBN: 0-7844-0411-9

Legal deposit no.:

Published: International Conference on Coastal Engineering. Volum One. ASCE. 1999.

URL to publication:

Conference edition: 26th International Conference on Coastal Engineering (ICCE 1998)

Type of conference edition: Conference

Year: 1998

Town/city: Copenhagen

Country: Denmark

Authors: Calvete, D.; Falques, A.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Non-linear modeling of shore-face connected sand ridges

Pages (first-last): 1123-1138

Type of document: Article-Conference Paper

ISBN: 0-7844-0436-4

Legal deposit no.:

Published: Coastal Sediments '99. ASCE. 1999.

URL to publication:

Conference edition: Fourth International Symposium on Coastal Engineering and Science of Coastal Sediment Processes. Coastal Sediments 99

Type of conference edition: Conference

Year: 1999

Town/city: Long Island

Country: United States of America

Authors: Falques, A.; Calvete, D.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphodynamic modelling of shore-face connected sand ridges

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: Final workshop of the EC-MAST sponsored PACE project. Universitat de Twente. 1999.

URL to publication:

Conference edition: Final workshop of the EC-MAST sponsored PACE project

Type of conference edition: Conference

Year: 1999

Town/city: Venècia

Country: Italy

Authors: Falques, A.; Calvete, D.; Montoto, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Bed-flow instabilities of coastal currents

Pages (first-last): 417-424

Type of document: Article-Conference Paper

ISBN: 90-5410-965-3

Legal deposit no.:

Published: Physics of Estuaries and Coastal Seas. A.A. Balkema. 1998.

URL to publication:

Conference edition: 8th International Biennial Conference on Physics of Estuaries and Coastal Seas

Type of conference edition: Conference

Year: 1996

Town/city: La Haya

Country: Netherlands

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelos de inestabilidades morfológicas: barras de arena en la plataforma continental y asociados a la costa

Pages (first-last): 66-69

Type of document: Article-Conference Paper

ISBN: 84-7653-687-9

Legal deposit no.:

Published: Actes de les I Jornades de Doctorat. Edicions UPC. 1998.

URL to publication:

Conference edition: I Jornades de Doctorat. Departament de Física Aplicada

Type of conference edition: Conference

Year: 1998

Town/city: Barcelona

Country: Espanya

Authors: Falques, A.; Calvete, D.; Montoto, A.; Calatrava, J.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Beal-flow instabilities of coastal seas

Pages (first-last): 417-424

Type of document: Article-Conference Paper

ISBN: 9054109653

Legal deposit no.:

Published: PHYSICS OF ESTUARIES AND COASTAL SEAS. A.A. BALKEMA, ROTTERDAM. 1998.

URL to publication:

Conference edition: 8th. INTERNATIONAL BIENNIAL CONFERENCE ON PHYSICS OF ESTUARIES AND COASTAL SEA

Type of conference edition: Conference

Year: 1996

Town/city:

Country: Netherlands

Authors: Falques, A.; Calvete, D.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Sand ridges and bed-flow instabilities on the inner continental shelf

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Annales Geophysicae. Part II: Hydrology, Oceans & Atmosphere Supplement II to Vol 16. European Geophysical Society. 1998.

URL to publication:

Conference edition: XXIII European Geophysical Society General Assembly

Type of conference edition: Conference

Year: 1998

Town/city: Niça

Country: France

Authors: Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modeling shoreface-connected sand ridges

Pages (first-last):

Type of document: Article-Conference Paper

ISBN:

Legal deposit no.:

Published: PACE Overall Workshop. H. de Vriend Universitat de Twente. 1998.

URL to publication:

Conference edition: PACE Overall Workshop

Type of conference edition: Conference

Year: 1998

Town/city: Londres

Country: United Kingdom

Authors: Falques, A.; Calvete, D.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Sand ridges and bed-flow instabilities on the inner continental shelf

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: Annales Geophysicae. Part IV. Nonlinear Geophysics & Natural Hazards. European Geophysical Society European Geophysical Society. 1997.

URL to publication:

Conference edition: XXII General Assembly. European Geophysical Society (E.G.S.)

Type of conference edition: Conference

Year: 1997

Town/city: Viena

Country: Austria

Authors: Falques, A.; Calvete, D.; de Swart, H.E.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Linear modelling of shoreface-connected ridges

Pages (first-last):

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: ?. H. de Vriend University of Twente (Holanda). 1997.

URL to publication:

Conference edition: 1st Overall workshop of the EC MAST sponsored PACE project

Type of conference edition: Conference

Year: 1997

Town/city: Barcelona

Country: Espanya

Authors: Falques, A.; Calvete, D.; Montoto, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Bed-flow instabilities of coastal currents

Pages (first-last): 109-111

Type of document: Abstract-Conference Paper

ISBN:

Legal deposit no.:

Published: 8th International Biennial Conference on Physics of Estuaries and Coastal Seas. Extended Abstracts. National Institute for Coastal and Marine Management (RIKZ). 1996.

URL to publication:

Conference edition: 8th International Biennial Conference on Physics of Estuaries and Coastal Seas

Type of conference edition: Conference

Year: 1996

Town/city: La Haya

Country: Netherlands

A.3 Books

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphological stability models: Shoreface-connected sand ridges

Publisher: Universitat Politècnica de Catalunya

ISBN: 84-699-8444-6

Legal deposit no.:

Year: 1999

Link to book:

A.4 Book chapters

Author/s of the chapter: Ribas, F.; Calvete, D.; Falques, A.; de Swart, H.E.; Kroon, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Comparing observed surfzone transverse finger bars with model results.

Author/s of the book:

Title of the book: Proc. 5th IAHR Symp. River, Coastal and Estuarine Morphodynamics.

Publisher: C. Marjolein Dohmen-Janssen, Suzanne J.M.H. Hulscher

ISBN: 978-0-415-45363-9

Legal deposit no.:

Year: 2007

Pages (first-last): 713-720

Link to book chapter:

Author/s of the chapter: Ribas, F.; Falques, A.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Observation and modelling of crescentic bars in Barcelona embayed beaches.

Author/s of the book:

Title of the book: Coastal Sediments '07

Publisher: American Society of Civil Engineers (ASCE)

ISBN: 978-0-7844-0926-8

Legal deposit no.:

Year: 2007

Pages (first-last): 2111-2123

Link to book chapter:

Author/s of the chapter: Ribas, F.; de Swart, H.E.; Calvete, D.; Falques, A.; Leeuwen, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Sensivity of modeled nearshore morphology to wave and sediment transport formulations.

Author/s of the book:

Title of the book: Coastal Dynamics 2005. Proceedings of the 5th International Conference

Publisher: ASCE

ISBN: 0-7844-0855-6

Legal deposit no.:

Year: 2006

Pages (first-last): 1-14

Link to book chapter: <http://www.coastaldynamics.org>

Author/s of the chapter: Falques, A.; Calvete, D.; Ribas, F.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Modelling the dynamics of beach profiles, bars and ridges near uninterrupted coasts

Author/s of the book:

Title of the book: Advances in Coastal and Operational Oceanography Engineering

Publisher: Real Academia de Ingeniería

ISBN: 84-95662-29-9

Legal deposit no.:

Year: 2004

Pages (first-last): 75-107

Link to book chapter:

Author/s of the chapter: Calvete, D.; Falques, A.; Dodd, N.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Morphological Development of Nearshore Bed-forms

Author/s of the book:

Title of the book: Coastal Engineering 2002

Publisher: World Scientific Publishing Co. Pte. Ltd.

ISBN: 981-238-328-0

Year: 2003

Link to book chapter:

Legal deposit no.:

Pages (first-last): 3321-3332

Author/s of the chapter: Falques, A.; Calvete, D.; Montoto, A.

Research groups : DF - Nonlinear Fluid Dynamics

Title of the chapter: Bed-flow instabilities of coastal currents

Author/s of the book:

Title of the book: Physics of estuaries and coastal seas : proceedings of the 8th International Biennial Conference on Physics of Stuaries and Coastal Seas

Publisher: Balkema

ISBN: 9054109643

Year: 1998

Link to book chapter:

Legal deposit no.:

Pages (first-last): 417-424

A.7 Other scientific and technical documents

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Dynamics of shoreface-connected sand ridges

Description:

Date: 04/2001

Number of pages: 40

Funding:

Link to document:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Dynamics of shoreface-connected sand ridges.

Description:

Date: 09/1999

Number of pages: 15

Funding:

Link to document:

Authors: Falques, A.; Calvete, D.; de Swart, H.E.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Combined tidal and steady current model for shoreface connected ridges

Description: Modelat de bancs de sorra connectats a la costa en la plataforma continental

Date: 02/1997

Number of pages: 33

Funding:

Link to document:

A.8 Software

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Description: MORFO45

Programming language: FORTRAN90

Database manager:

Platform: PC/Estacions de treball

Year: 2000

Authors: Calvete, D.; Falques, A.; de Swart, H.E.; Iranzo, V.

Research groups : DF - Nonlinear Fluid Dynamics

Description: MORFO30

Programming language: Fortran

Database manager:

Platform: PC/Estacions de treball/VAX

Year: 1996

Authors: Calvete, D.; Falques, A.; Iranzo, V.

Research groups : DF - Nonlinear Fluid Dynamics

Description: MORFO20

Programming language: Fortran

Database manager:

Platform: PC/Estacions de treball/VAX

Year: 1996

A.9 Theses

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Morphological stability models : shoreface-connectes sand ridges

Type: Tesi doctoral

Date of oral defence: 29/07/1999

Mark: Excellent Cum Laude

European doctor (thesis):

Supervisor/s: Falques, A.

Name of institution: Universitat Politècnica de Catalunya

Supervisory body (UPC): Department of Applied Physics

Link to thesis:

A.10 Teaching materials or lecture notes

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Física Aplicada: Transparencias teoría. OP, 2009-2010

Type: Notes

Date: 10/12/2009

No. of pages:

Link to teaching materials or lecture notes : <http://atenea.upc.edu/moodle/course/view.php?id=27805>

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Física Aplicada: Colección problemas. OP, 2009-2010

Type: Exercises

Date: 10/12/2009

No. of pages:

Link to teaching materials or lecture notes : <http://atenea.upc.edu/moodle/course/view.php?id=27805>

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Física Aplicada: Transparencias teoría. OP, 2008-2009

Type: Notes

Date: 10/12/2008

No. of pages:

Link to teaching materials or lecture notes : <http://atenea.upc.edu/moodle/course/view.php?id=18201>

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Física Aplicada: Colección problemas. OP, 2008-2009

Type: Exercises

Date: 10/12/2008

No. of pages:

Link to teaching materials or lecture notes : <http://atenea.upc.edu/moodle/course/view.php?id=18201>

Authors: Falques, A.; Sanchez, J.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Problemes de Mecànica Racional

Type: Exercises

Date: 09/1996

No. of pages: 42

Link to teaching materials or lecture notes :

Authors: Falques, A.; Sanchez, J.; Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Problemes de Mecànica Racional

Type: Exercises

Date: 09/1995

No. of pages: 40

Link to teaching materials or lecture notes :

B. Conferences, courses and other events

B.1 Presentation of conference papers

Authors: Fernandez-Mora, A; Calvete, D.; Falques, A.; Ribas, F.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Process-based modelling of equilibrium beach profiles

Type of participation: Poster presentation

Date of presentation: 01/09/2015

Conference edition: 9th symposium

Type of conference edition: Conference

Year: 2015

Town/city: Iquitos

Country: Peru

Published: RCEM 2015. 2015.

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Nonlinear dynamics and predictability properties of sand ridges on the inner shelf.

Type of participation: Guest lecture

Date of presentation: 25/08/2008

Conference edition: Dynamics Days Europe 2008

Type of conference edition: Conference

Year: 2008

Town/city: Delft

Country: Netherlands

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Modelling the interaction between transverse and crescentic bar systems.

Type of participation: Guest lecture

Date of presentation: 25/08/2008

Conference edition: Dynamics Days Europe 2008

Type of conference edition: Conference

Year: 2008

Town/city: Delft

Country: Netherlands

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Modelling the characteristics and dynamics of surfzone transverses sand bars observed at Noordwijk beach.

Type of participation: Poster presentation

Date of presentation: 25/08/2008

Conference edition: Dynamics Days Europe 2008

Type of conference edition: Conference

Year: 2008

Town/city: Delft

Country: Netherlands

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Nueva formulación del modelo de una línea para la dinámica de la línea de costa

Type of participation: Lecture

Date of presentation: 17/05/2005

Conference edition: VIII Jornadas Españolas de Ingeniería de Costas y Puertos

Type of conference edition: Working session

Year: 2005

Town/city: Sitges

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Generación y evolución no lineal de barras transversales y oblicuas cerca de la costa

Type of participation: Lecture

Date of presentation: 17/05/2005

Conference edition: VIII Jornadas Españolas de Ingeniería de Costas y Puertos

Type of conference edition: Working session

Year: 2005

Town/city: Sitges

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Large scale dynamics of sandy coastlines

Type of participation: Lecture

Date of presentation: 18/03/2004

Conference edition: NCK - Dagen 2004

Type of conference edition: Conference

Year: 2004

Town/city: Yerseke, Holanda

Country: Netherlands

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Morfo60 applications to the single cell

Type of participation: Lecture

Date of presentation: 03/02/2004

Conference edition: Final workshop of the EC sponsored HUMOR project.

Type of conference edition: Conference

Year: 2004

Town/city: La Barrosa, Andalucia

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Large scale dynamics of sandy coastlines

Type of participation: Lecture

Date of presentation: 03/02/2004

Conference edition: Final workshop of the EC sponsored HUMOR project.

Type of conference edition: Conference

Year: 2004

Town/city: La Barrosa, Andalucia

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Morfo55 applications to the single cell

Type of participation: Lecture

Date of presentation: 03/02/2004

Conference edition: Final workshop of the EC sponsored HUMOR project.

Type of conference edition: Conference

Year: 2004

Town/city: La Barrosa, Andalucia

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Modelling the formation of rip chanel systems

Type of participation: Poster presentation

Date of presentation: 21/04/2002

Conference edition: 27th General Assembly of the European Geophysical Society

Type of conference edition: Conference

Year: 2002

Town/city: Niça

Country: France

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Development of morfo55 and morfo60

Type of participation: Lecture

Date of presentation: 06/02/2002

Conference edition: Semestral Workshop of the EC sponsored HUMOR project

Type of conference edition: Conference

Year: 2002

Town/city: Cádiz

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Morfo 60

Type of participation: Lecture

Date of presentation: 06/02/2002

Conference edition: Semestral Workshop of the EC sponsored HUMOR project

Type of conference edition: Conference

Year: 2002

Town/city: Cádiz

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: A nonlinear model for shoreface-connected sand ridges.

Type of participation: Lecture

Date of presentation: 02/06/1999

Conference edition: Euromech 395: Coastal estuarine and river forms

Type of conference edition: Conference

Year: 1999

Town/city: Enschede

Country: Netherlands

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Non-linear modeling of shoreface-connected ridges

Type of participation: Communication presentation

Date of presentation: 05/09/1998

Conference edition: Workshop of the EC MAST sponsored PACE project

Type of conference edition: Working session

Year: 1998

Town/city: Lund

Country: Sweden

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Modeling shoreface-connected sand ridges

Type of participation: Communication presentation

Date of presentation: 01/02/1998

Conference edition: PACE Overall Workshop

Type of conference edition: Conference

Year: 1998

Town/city: Londres

Country: United Kingdom

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Modelos de inestabilidades morfológicas: barras de arena en la plataforma continental y asociados a la costa.

Type of participation: Lecture

Date of presentation: 29/01/1998

Conference edition: I Jornades de Doctorat. Departament de Física Aplicada

Type of conference edition: Conference

Year: 1998

Town/city: Barcelona

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Linear modelling of shoreface-connected ridges

Type of participation: Lecture

Date of presentation: 03/03/1997

Conference edition: 1st Overall workshop of the EC MAST sponsored PACE project

Type of conference edition: Conference

Year: 1997

Town/city: Barcelona

Country: Espanya

Published:

Link to presentation:

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Bed-flow instabilities of coastal currents

Type of participation: Lecture

Date of presentation: 08/09/1996

Conference edition: 8th International Biennial Conference on Physics of Estuaries and Coastal Seas

Type of conference edition: Conference

Year: 1996

Town/city: La Haya

Country: Netherlands

Published:

Link to presentation:

B.2 Imparting courses

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Hydro- and morphodynamics of coastal seas and estuaries

Date of presentation: 07/2007

Hours given: 26

Name of course or seminar: Hydro- and morphodynamics of coastal seas and estuaries

Type of edition: Course

Year: 2007

School:

Town/city: Motril

Country: Espanya

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: BBOS/NCK Hydro- and Morphodynamic processes in coastal seas

Date of presentation: 29/06/2003

Hours given: 32

Name of course or seminar: BBOS/NCK Hydro- and Morphodynamic processes in coastal seas

Type of edition: Curs o seminari de recerca

Year: 2003

School:

Town/city: Renesse

Country: Netherlands

Authors: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title of paper: Numerical models for coastal processes

Date of presentation: 22/01/2003

Hours given:

Name of course or seminar: Numerical models for coastal processes

Type of edition: Course

Year: 2003

School:

Town/city: Granada

Country: Espanya

B.5 Organisation of courses and seminars

Name of course or seminar: Sediment Transport

Type of edition: Seminar

Year of edition: 2002

Type of participation: Organització/Direcció

School:

Town/city: Zahara de los atunes

Country:

B.8

Name of course or seminar: Academic & scientific writing (3^a edició - Barcelona)

Type of edition: Course

Year of edition: 2015

Start date: 05/11/2015

End date: 26/11/2015

School:

Town/city: Barcelona

Country: Espanya

Name of course or seminar: Segona Jornada Docent del Departament de Física i Enginyeria Nuclear

Type of edition: Jornada ICE

Year of edition: 2014

Start date: 15/07/2014

End date: 15/07/2014

School:

Town/city: Barcelona

Country: Espanya

Name of course or seminar: Bedforms and Sorting

Type of edition: Conference

Year of edition: 2013

Start date: 09/06/2013

End date: 09/06/2013

School:

Town/city: Santander

Country: Espanya

Name of course or seminar: Advance Wave Climate Analysis For Coastal Engineers And Scientists

Type of edition: Conference

Year of edition: 2013

Start date: 01/07/2012

End date: 01/07/2012

School:

Town/city: Santander

Country: Espanya

Name of course or seminar: Estratègies per emetre la veu d'una manera eficient i sana

Type of edition: Workshop

Year of edition: 2012

Start date: 08/03/2012

End date: 09/03/2012

School:

Town/city: Barcelona

Country: Espanya

Name of course or seminar: Qüestionaris a ATENEA. Més que simples qüestions, tota una eina de correcció automàtica de problemes al teu servei (FNB) (2a edició)

Type of edition: Course

Year of edition: 2009

Start date: 11/11/2009

End date: 12/11/2009

School:

Town/city: Facultat de nautica de Barcelona

Country:

Name of course or seminar: BBOS/NCK Hydro- and Morphodynamic processes in coastal seas

Type of edition: Curs o seminari de recerca

Year of edition: 2003

Start date: 29/06/2003

End date: 12/07/2003

School:

Town/city: Renesse

Country: Netherlands

Name of course or seminar: Numerical models for coastal processes

Type of edition: Course

Year of edition: 2003

Start date: 22/01/2003

End date: 23/01/2003

School:

Town/city: Granada

Country: Espanya

Name of course or seminar: Sediment Transport

Type of edition: Seminar

Year of edition: 2002

Start date: 06/02/2002

End date: 06/02/2002

School:

Town/city: Zahara de los atunes

Country:

Name of course or seminar: Hydro- and Morphodynamic processes on the outer delta of tidal inlet systems

Type of edition: Seminar

Year of edition: 2001

Start date: 05/10/2001

End date: 21/12/2001

School:

Town/city: Utrecht

Country:

Name of course or seminar: Hydro- and Morphodynamic processes in coastal seas

Type of edition: Course

Year of edition: 1998

Start date: 28/06/1998

End date: 11/07/1998

School:

Town/city: Renesse

Country:

Name of course or seminar: EC/MAST Advanced Study Course "Hydro and morphodynamic processes in coastal seas"

Type of edition: Course

Year of edition: 1998

Start date: 28/06/1998

End date: 10/07/1998

School:

Town/city: Renesse

Country:

Name of course or seminar: Coastal Morphodynamics

Type of edition: Seminar

Year of edition: 1997

Start date: 26/02/1997

End date: 28/05/1997

School:

Town/city: Utrecht

Country:

C. Projects and intellectual and industrial property

C.1 Participation in R&D calls

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : CGL2012-33989

Title: Formas de fondo y su dinámica actual en el margen continental Mediterraneo español

Start date: 01/01/2013

End date: 31/12/2015

Duration: 3 Year/s

Funding: 147420.00 €

Scope: National

Participants: 0

Institution in which the research was undertaken: Institut de Ciències del Mar (ICM) - CSIC

Funding bodies: Ministerio de Economía y Competitividad

Participating institutions:

Head researcher: Guillén, J.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : CTM2012-35398

Title: PATRONES MORFODINAMICOS COSTEROS: MODELOS, OBSERVACIONES Y APLICACIONES

Start date: 01/01/2013

End date: 31/12/2015

Duration: 3 Year/s

Funding: 85410.00 €

Scope: National

Participants: 1

Institution in which the research was undertaken: FÍSICA

Funding bodies: MIN DE ECONOMIA Y COMPETITIVIDAD

Participating institutions:

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: EVK3-CT-2000-00037 HUMOR - HUMAN INTERACTION WITH LASRGE SCALE COASTAL MORPHOLOGICAL EVOLUTION

Start date: 01/02/2001

End date: 31/01/2004

Duration: 2 Year/s 12 Month/s 4 Day/s

Funding: 193000.00 €

Scope: European

Participants: 2

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: U.E.

Participating institutions: Universidad de Granada (UGR)

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : CTM2009-07806

Title: DINAMICA SEDIMENTARIA ACTUAL EN LA TRANSICION PLATAFORMA-TALUD DEL MARGEN CONTINENTAL DEL EBRO

Start date: 10/01/2010

End date: 10/01/2013

Duration: 3 Year/s

Funding: 196000.00 €

Scope: National

Participants: 9

Institution in which the research was undertaken: Institut de Ciències del Mar de Barcelona (C.S.I.C.)

Funding bodies: Ministerio de Ciencia e Innovación

Participating institutions: Universitat Politècnica de Catalunya; Universitat Autònoma de Barcelona (UAB); Institut de Ciències del Mar de Barcelona (C.S.I.C.)

Head researcher: Puig Alenyà, P.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : CTM2009-11892

Title: MODELIZACIÓN Y MONITARIZACIÓN INTEGRADAS EN MORFODINAMICA DE PLAYAS NATURALES Y REGENERADAS

Start date: 01/01/2010

End date: 30/06/2013

Duration: 3 Year/s 6 Month/s

Funding: 122210.01 €

Scope: National

Participants: 1

Institution in which the research was undertaken: FÍSICA

Funding bodies: Ministerio de Ciencia e Innovación (MICINN)

Participating institutions:

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : CTM2009-06609-E

Title: Linear stability analysis in coastal morphodynamics: essential or useless?

Start date: 01/10/2009

End date: 01/10/2010

Duration: 1 Year/s 1 Day/s

Funding: 4000.00 €

Scope: National

Participants: 5

Institution in which the research was undertaken: Universitat Politècnica de Catalunya

Funding bodies: Ministerio de Ciencia e Innovación

Participating institutions:

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body : 2009 SGR 1045

Title: Dinàmica de fluids; formació d'estructures i aplicacions geofísiques

Start date: 01/01/2009

End date: 31/12/2013

Duration: 4 Year/s 11 Month/s 30 Day/s

Funding:

Scope: Regional

Participants: 13

Institution in which the research was undertaken: UPC

Funding bodies: Agència de Gestió d'Ajuts Universitaris i de Recerca (Agaur)

Participating institutions:

Head researcher: Marques, F.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: CTM2006-08875 MORFODINÁMICA DE PLAYAS: PREDICCIONES EN LAS GRANDES ESCALAS ESPACIO-TEMPORALES

Start date: 01/10/2006

End date: 30/09/2009

Duration: 3 Year/s

Funding: 73810.00 €

Scope: National

Participants: 3

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: MINISTERIO DE EDUCACIÓN Y CIENCIA

Participating institutions: UPC

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Dinàmica de fluïds: formació d'estructures i aplicacions geofísiques 2005SGR-00024

Start date: 19/10/2005

End date: 18/10/2008

Duration: 3 Year/s

Funding: 52600.00 €

Scope: National

Participants: 6

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: AGAUR. Agència de Gestió d'Ajuts Universitaris i de Recerca

Participating institutions:

Head researcher: Marques, F.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Morfodinàmica de playas urbanizadas: integració de datos experimentales y modelos teóricos (PUDEM)

Start date: 15/12/2003

End date: 14/12/2006

Duration: 3 Year/s

Funding: 39215.00 €

Scope: National

Participants: 4

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: Ministerio de Ciencia y Tecnología

Participating institutions: UPC, ICM

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Human interaction with large scale coastal morphological evolution (HUMOR)

Start date: 01/02/2001

End date: 31/01/2004

Duration: 2 Year/s 12 Month/s 4 Day/s

Funding: 193000.00 €

Scope: European

Participants: 3

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: U.E. (Environment and Sustainable Development Program)

Participating institutions:

Head researcher: Falques, A.; Losada, M.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Modelling van geulen, platen en drempels in getijbekkens

Start date: 05/07/2000

End date: 06/07/2001

Duration: 1 Year/s 1 Day/s

Funding:

Scope: European

Participants: 2

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: Stichting Nationale Computer Failiteren (NCF)

Participating institutions:

Head researcher: de Swart, H.E.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: PB98-0929 INTERACCIÓN DE ONDAS LARGAS Y CORRIENTE LONGITUDINAL EN LA MORFODINAMICA DE LA ZONA DE ROMPIENTES

Start date: 31/12/1999

End date: 31/12/2002

Duration: 3 Year/s 1 Day/s

Funding: 21203.71 €

Scope: National

Participants: 3

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: DGES (ANTIGA DGICYT)

Participating institutions: UPC

Head researcher: Falques, A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Modelling van geulen, platen en drempels in getijbekkens

Start date: 17/03/1999

End date: 16/03/2000

Duration: 1 Year/s

Funding:

Scope: European

Participants: 2

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: Stichting Nationale Computer Failiteren (NCF)

Participating institutions:

Head researcher: de Swart, H.E.

Type of participation: Researcher

Research groups : LIM/UPC - Maritime Engineering Laboratory

Code of funding body :

Title: MAR98-0691-C02-02-01. TRANSPORTE DE SEDIMENTO A VARIAS ESCALAS EN EL MEDITERRANEO. IMPLICACIONES PARA LA EVOLUCION COSTERA (TRASEDVE).

Start date: 31/08/1998

End date: 31/08/2001

Duration: 3 Year/s 1 Day/s

Funding: 6250.52 €

Scope: National

Participants: 2

Institution in which the research was undertaken: Department of Hydraulic, Maritime and Environmental Engineering

Funding bodies: CICYT

Participating institutions:

Head researcher: Jimenez, J.A.

Type of participation: Researcher

Research groups : DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Prediction of aggregated-scale coastal evolution (PACE)

Start date: 01/02/1996

End date: 31/01/1999

Duration: 3 Year/s

Funding: 110600.00 €

Scope: European

Participants: 2

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: U.E. (MAST3) contrato no. PL950021

Participating institutions:

Head researcher: De Vriend, H.

Type of participation: Researcher

Research groups : LIM/UPC - Maritime Engineering Laboratory; DF - Nonlinear Fluid Dynamics

Code of funding body :

Title: Prediction of aggregated-scale coastal evolution (PACE)

Start date: 01/01/1996

End date: 31/12/1999

Duration: 4 Year/s

Funding:

Scope: European

Participants: 3

Institution in which the research was undertaken: Department of Applied Physics

Funding bodies: Unión Europea (DG-XII, MAST-III Programme)

Participating institutions: CIIRC, UPC, U. Twente, H.R. Wallingford, Tecnomare, Delft Hydraulics,

Head researcher: Jimenez, J.A.; De Vriend, H.

C.3 Participation in teaching innovation projects

Type of participation: Collaborator

Research groups : ICARUS - Intelligent Communications and Avionics for Robust Unmanned Aerial Systems; DF - Nonlinear Fluid Dynamics; SPCOM - Signal Processing and Communications Group

Code of funding body : generalitat de catalunya, DURSI

Title: Prova Pilot per a l'Adaptació a l'Espai Europeu d'Educació Superior de la titulació Enginyeria Tècnica de Telecomunicació, especialitats en Sistemes de Telecomunicació i en Telemàtica impartides a l'Escola Politècnica Superior de Castelldefels Universitat Politècnica de Catalunya

Start date: 01/07/2004

End date: 01/07/2005

Duration: 1 Year/s

Funding:

Scope: Regional

Participants: 0

Type: Teaching innovation project

Town/city:

Country:

Funding bodies: Generalitat de Catalunya, DURSI

Participating institutions: Escola Politècnica Superior de Castelldefels (EPSC)

D. Committees and societies

D.2 Membership of conference organising committees

Type of participation: Member

Name of conference edition: The 7th Symposium on River, Coastal and Estuarine Morphodynamics

Name of committee: International advisory board

Type of committee: Scientific committee

Body on which it depends:

Start date: 09/06/2010

End date:

E. Contributions to publications and theses

E.4 Supervision or tutoring of theses and membership of assessment panels

Type of contribution: Supervisor

Work type: Tesi doctoral

Research groups : LIM/UPC - Maritime Engineering Laboratory; DF - Nonlinear Fluid Dynamics

Title: On Cross-shore Beach Profile Morphodynamics

Date of oral defence: 17/12/2015

Authors: Fernández, M.

Institution: Universitat Politècnica de Catalunya

Link to document:

Type of contribution: Supervisor

Work type: Pla de recerca

Research groups : SIMCON - Computer Simulation in Condensed Matter Research Group; DONLL - Nonlinear dynamics, nonlinear optics and lasers; DF - Nonlinear Fluid Dynamics

Title: Modelling the interactions of nearshore morphological patterns and shoreline dynamics.

Date of oral defence: 18/06/2015

Authors: Kakeh, N.

Institution: Universitat Politècnica de Catalunya

Link to document:

Type of contribution: Examination panel member

Work type: Tesi doctoral

Research groups : DF - Nonlinear Fluid Dynamics

Title: Formation and long-term evolution of shoreface-connected sand ridges: Modeling the effects of sand extraction and sea level rise

Date of oral defence: 03/12/2014

Authors: Nnafie, A.

Institution: Utrecht University

Link to document:

Type of contribution: Supervisor

Work type: TREBALL DE FI DE GRAU

Research groups : FLUMEN - Research Group in River Dynamics and Hydrological Engineering; EC - Enginyeria de la Construcció; DF - Nonlinear Fluid Dynamics

Title: Aplicación de técnicas de video para la determinación de la batimetría de la playa de Castelldefels (Barcelona).

Date of oral defence: 15/07/2014

Authors: Alvarez Van-strahlen, Javier Enrique

Institution: Universitat Politècnica de Catalunya

Link to document:

Type of contribution: Supervisor

Work type: PLA DE RECERCA

Research groups : SIMCON - Computer Simulation in Condensed Matter Research Group; DONLL - Nonlinear dynamics, nonlinear optics and lasers; DF - Nonlinear Fluid Dynamics; LIM/UPC - Maritime Engineering Laboratory

Title: On cross-shore beach profile morphodynamics

Date of oral defence: 12/02/2014

Authors: Fernández, M.

Institution: Universitat Politècnica de Catalunya

Link to document:

Type of contribution: Secretari

Work type: Tesi doctoral

Research groups : DF - Nonlinear Fluid Dynamics

Title: Modelling the dynamics of large scale shoreline sand waves

Date of oral defence: 11/05/2012

Authors: Van den Berg, N.

Institution: Universitat Politècnica de Catalunya

Link to document: <http://www.tdx.cat/handle/10803/96173>

Type of contribution: Supervisor

Work type: PROPOSTA DE TESI

Research groups : MSR - Soil and Rock Mechanics; LACÀN - Numerical Methods for Applied Sciences and Engineering; (MC)2 - Group of Computational Mechanics on Continuous Medium; DF - Nonlinear Fluid Dynamics

Title: Effects of cross-shore transport on nearshore morphodynamics

Date of oral defence: 15/03/2012

Authors: Fernández Mora, Maria De Los Angeles

Institution: Universitat Politècnica de Catalunya

Link to document:

Type of contribution: Supervisor

Work type: Projecte final de carrera

Research groups : DF - Nonlinear Fluid Dynamics

Title: Formació de corrents de retorn a la platja de Castelldefels, Barcelona

Date of oral defence: 16/07/2010

Authors: Pablo Sánchez Hernández

Institution: Universitat Politècnica de Catalunya

Link to document:

F. Personal acknowledgements

F.5 Stretches of research, teaching and management

Name: Mèrits bàsics docència (Quinquenni)

Level: G1

Number of segments recognized: 1

Acquisition date: 2004

Scope: Autonòmic

Date of acknowledgement: 01/01/2009

Awarding body: Universitat Politècnica de Catalunya

Name: Mèrits bàsics docència (Quinquenni)

Level: G1

Number of segments recognized: 1

Acquisition date: 2010

Scope: Autonòmic

Date of acknowledgement: 01/01/2012

Awarding body: Universitat Politècnica de Catalunya

Name: Mèrits bàsics recerca (Sexenni)

Level: G1

Number of segments recognized: 1

Acquisition date: 2003

Scope:

Date of acknowledgement: 01/01/2009

Awarding body:

Name: Mèrits bàsics recerca (Sexenni)

Level: G1

Number of segments recognized: 1

Acquisition date: 2009

Scope:

Date of acknowledgement: 01/01/2010

Awarding body:

Name: Mèrits add. docència (Compl. autonòmic)

Level: G1A1

Number of segments recognized: 1

Acquisition date: 2004

Scope: Autonòmic

Date of acknowledgement: 01/01/2009

Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: Mèrits add. docència (Compl. autonòmic)

Level: G1A7

Number of segments recognized: 1

Acquisition date: 2010

Scope: Autonòmic

Date of acknowledgement: 01/01/2012

Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: Mèrits add. recerca (Compl. autonòmic)

Level: G1A1

Number of segments recognized: 1

Acquisition date: 2003

Scope: Autonòmic

Date of acknowledgement: 01/01/2009

Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: Mèrits add. recerca (Compl. autonòmic)

Level: G1A6

Number of segments recognized: 1

Acquisition date: 2009

Scope: Autonòmic

Date of acknowledgement: 01/01/2010

Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

F.6 Accreditations

Name: ACREDITACIÓ DE RECERCA

Date of acknowledgement: 01/01/2008

Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: INFORME ACTIVITAT DOCENT, Període avaluació: 1995-2004

Date of acknowledgement: 09/10/2009

Awarding body: Universitat Politècnica de Catalunya

F.7 Other merits

Acknowledged authorship: Calvete, D.

Research groups : DF - Nonlinear Fluid Dynamics

Title: Revisión de artículos en revistas científicas:

" Journal of Fluid Mechanics

" Continental Shelf Research

" Journal of Geophysical Research

Docencia de postgrado en cursos de verano:

" BBOS/NCK Hydro- and Morphodynamic processes in coastal seas, 2003, Rennes, Països Baixos

" International Summerschool Hydro- and Morphodynamic processes in coastal seas and estuaries, 2007, Motril, Granada

Docencia de doctorado y master (UPC):

" Dinámica de Fluidos Geofísicos

" Estructuras Espacio-temporales en Morfodinámica de Costas

" Programación y métodos numéricos

" Aplicaciones geofísicas y morfodinámicas de la mecánica de fluidos

Acreditaciones

" Agregado (AQU)

" Programa I3 (ANEP)

" Evaluacion positiva 4º año Programa Ramón y Caj

Description: Revisión de artículos en revistas científicas:

" Journal of Fluid Mechanics

" Continental Shelf Research

" Journal of Geophysical Research

Docencia de postgrado en cursos de verano:

" BBOS/NCK Hydro- and Morphodynamic processes in coastal seas, 2003, Rennes, Països Baixos

" International Summerschool Hydro- and Morphodynamic processes in coastal seas and estuaries, 2007, Motril, Granada

Docencia de doctorado y master (UPC):

" Dinámica de Fluidos Geofísicos

" Estructuras Espacio-temporales en Morfodinámica de Costas

" Programación y métodos numéricos

" Aplicaciones geofísicas y morfodinámicas de la mecánica de fluidos

Acreditaciones

" Agregado (AQU)

" Programa I3 (ANEP)

" Evaluacion positiva 4º año Programa Ramón y Caj

Date of acknowledgement: 03/12/2008

Awarding body:

G. Stays and other activities

G.1 Stays in R&D centres

Type of participation: Post-doctoral

Name of centre: Institute for Marine and Atmospheric Research, Utrecht University

Type of centre: R&D centre

Type of stay: Research

Town/city: Utrecht

Country: Netherlands

Start date: 01/06/1999

End date: 01/06/2001

Duration: 2 Year/s 1 Day/s

Comparable tasks: Investigaci3n de bancos de arena en la plataforma continental

Type of participation: Doctoral student

Name of centre: Institute for Marine and Atmospheric Research Utrecht (IMAU)

Type of centre: R&D centre

Type of stay: Doctoral thesis

Town/city: Utrecht

Country: Netherlands

Start date: 01/08/1996

End date: 31/12/1996

Duration: 5 Month/s 2 Day/s

Comparable tasks: Investigaci3n sobre bancs de sorra connectats a la costa a la plataforma continental

H. Actividades de docencia

H.1 Subject taught

Code course: 13388

Course: -

Credits course:

Hours laboratory/directed activities/theory/practice: - / - / - / 15.0

Academic year: 1995

Semester: Segon Quadrimestre

Course/level:

Body: Universitat Polit3cnica de Catalunya

School: UPC

Cycle: Primer

Type course: Obligat3ria

Type program: Enginyeria t3cnica

Code course: 18003

Course: MECHANICS

Credits course: 9.0

Hours laboratory/directed activities/theory/practice: - / 40.0 / - / -

Academic year: 1995

Semester: Primer Quadrimestre

Course/level:

Body: Universitat Polit3cnica de Catalunya

School: UPC

Cycle: Primer i segon

Type course: Obligat3ria

Type program: Enginyeria

Code course: 18003

Course: MECHANICS

Credits course: 9.0

Hours laboratory/directed activities/theory/practice: - / - / - / 23.33

Academic year: 1995

Semester: Segon Quadrimestre

Course/level:

Body: Universitat Polit3cnica de Catalunya

School: UPC

Cycle: Primer i segon

Type course: Obligat3ria

Type program: Enginyeria

Code course: 18004 **Course:** PHYSICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / 27.0 / - / -
Academic year: 1995 **Semester:** Segon Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer i segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: 18503 **Course:** MECANICA
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / 20.0 / - / -
Academic year: 1995 **Semester:** Segon Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer
Type course: Altres **Type program:** Enginyeria tècnica

Code course: 18003 **Course:** MECHANICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / 83.99 / - / 55.99
Academic year: 1996 **Semester:** Segon Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer i segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: 18003 **Course:** MECHANICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / 55.99 / - / 60.0
Academic year: 1997 **Semester:** Anual **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer i segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: 18309 **Course:** APPLIED PHYSICS
Credits course: 4.5
Hours laboratory/directed activities/theory/practice: - / 32.0 / - / -
Academic year: 1997 **Semester:** Primer Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer i segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: 18003 **Course:** MECHANICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / 100.0 / - / -
Academic year: 1998 **Semester:** Anual **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Primer i segon

Cycle: Primer i segon

Type course: Obligatòria

Type program: Enginyeria

Code course: 18309

Course: APPLIED PHYSICS

Credits course: 4.5

Hours laboratory/directed activities/theory/practice: - / - / 30.0 / 15.0

Academic year: 1998

Semester: Primer Quadrimestre

Course/level:

Body: Universitat Politècnica de Catalunya

School: UPC

Cycle: Primer i segon

Type course: Obligatòria

Type program: Enginyeria

Code course: 50622

Course: RETALLS DE FÍSICA

Credits course:

Hours laboratory/directed activities/theory/practice: - / - / 10.0 / -

Academic year: 1998

Semester: Segon Quadrimestre

Course/level:

Body: Universitat Politècnica de Catalunya

School: UPC

Cycle: Primer i segon

Type course: Lliure elecció

Type program: Enginyeria

Code course: 5002

Course: FONAMENTS FÍSICS

Credits course:

Hours laboratory/directed activities/theory/practice: - / 60.0 / 120.0 / -

Academic year: 2002

Semester: Primer Quadrimestre

Course/level:

Body: Universitat Politècnica de Catalunya

School: UPC

Cycle: Segon

Type course: Obligatòria

Type program: Enginyeria tècnica

Code course: 5002

Course: FONAMENTS FÍSICS

Credits course:

Hours laboratory/directed activities/theory/practice: - / - / 60.0 / -

Academic year: 2002

Semester: Segon Quadrimestre

Course/level:

Body: Universitat Politècnica de Catalunya

School: UPC

Cycle: Segon

Type course: Obligatòria

Type program: Enginyeria tècnica

Code course: 5002

Course: FONAMENTS FÍSICS

Credits course:

Hours laboratory/directed activities/theory/practice: - / 60.0 / - / 30.0

Academic year: 2003

Semester: Primer Quadrimestre

Course/level:

Body: Universitat Politècnica de Catalunya

School: UPC

Cycle: Segon

Type course: Obligatòria

Type program: Enginyeria tècnica

Code course: 5002 **Course:** Fonaments Físics
Credits course:
Hours laboratory/directed activities/theory/practice: - / - / 60.0 / 90.0
Academic year: 2004 **Semester:** Primer Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Segon
Type course: Obligatòria **Type program:** Enginyeria tècnica

Code course: E5002 **Course:** FUNDAMENTALS OF PHYSICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / - / 60.0 / 90.0
Academic year: 2005 **Semester:** Primer Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: E5002 **Course:** FUNDAMENTALS OF PHYSICS
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / - / 60.0 / -
Academic year: 2006 **Semester:** Primer Quadrimestre **Course/level:**
Body: Universitat Politècnica de Catalunya
School: UPC
Cycle: Segon
Type course: Obligatòria **Type program:** Enginyeria

Code course: 34055 **Course:** Programming and Numerical Methods
Credits course: 7.5
Hours laboratory/directed activities/theory/practice: - / - / 10.5 / -
Academic year: 2008 **Semester:** Primer Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Department of Physics
Cycle: Segon
Type course: Obligatòria **Type program:** Master oficial

Code course: 250104 **Course:** Physics
Credits course: 6.0
Hours laboratory/directed activities/theory/practice: - / 3.6 / 9.13 / -
Academic year: 2010 **Semester:** Primer Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer
Type course: Obligatòria **Type program:** Graduat/da

Code course: 250205 **Course:** Applied Physics
Credits course: 6.0
Hours laboratory/directed activities/theory/practice: 29.07 / 3.0 / 65.37 / 51.27
Academic year: 2010 **Semester:** Segon Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

Code course: 250205

Course: Applied Physics

Credits course: 6.0

Hours laboratory/directed activities/theory/practice: 51.4 / - / 88.0 / 40.0

Academic year: 2011

Semester: Segon Quadrimestre

Course/level: 1

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

Code course: 250205

Course: Applied Physics

Credits course: 6.0

Hours laboratory/directed activities/theory/practice: 28.0 / 12.0 / 52.0 / -

Academic year: 2012

Semester: Primer Quadrimestre

Course/level: 1

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

Code course: 250205

Course: Applied Physics

Credits course: 6.0

Hours laboratory/directed activities/theory/practice: 32.0 / 12.0 / 52.0 / 40.0

Academic year: 2012

Semester: Segon Quadrimestre

Course/level: 1

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

Code course: 250262

Course: Bachelor's Thesis

Credits course: 12.0

Hours laboratory/directed activities/theory/practice: 15.0 / - / - / -

Academic year: 2012

Semester: Primer Quadrimestre

Course/level: 2

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Cycle: Primer

Type course: PR

Type program: Graduat/da

Code course: 250205

Course: Applied Physics

Credits course: 6.0

Hours laboratory/directed activities/theory/practice: 5.6 / 6.0 / - / -

Academic year: 2013

Semester: Primer Quadrimestre

Course/level: 1

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

Code course: 250205 **Course:** Applied Physics
Credits course: 6.0
Hours laboratory/directed activities/theory/practice: 5.6 / 12.0 / - / -
Academic year: 2013 **Semester:** Segon Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer
Type course: Obligatòria **Type program:** Graduat/da

Code course: 250262 **Course:** Bachelor's Thesis
Credits course: 12.0
Hours laboratory/directed activities/theory/practice: - / 30.0 / - / -
Academic year: 2013 **Semester:** Primer Quadrimestre **Course/level:** 2
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer
Type course: PR **Type program:** Graduat/da

Code course: 280633 **Course:** Physics
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / - / - / 105.0
Academic year: 2013 **Semester:** Primer Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Nautical Studies (FNB)
Cycle: Primer
Type course: Obligatòria **Type program:** Graduat/da

Code course: 280601 **Course:** Physics
Credits course: 9.0
Hours laboratory/directed activities/theory/practice: - / - / - / 45.0
Academic year: 2013 **Semester:** Primer Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Nautical Studies (FNB)
Cycle: Primer
Type course: Obligatòria **Type program:** Graduat/da

Code course: 250104 **Course:** Physics
Credits course: 6.0
Hours laboratory/directed activities/theory/practice: 24.0 / 60.0 / - / -
Academic year: 2014 **Semester:** Primer Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer
Type course: Obligatòria **Type program:** Graduat/da

Code course: 250205 **Course:** Applied Physics
Credits course: 6.0
Hours laboratory/directed activities/theory/practice: 44.0 / 18.0 / 52.0 / 40.0
Academic year: 2014 **Semester:** Segon Quadrimestre **Course/level:** 1
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Cycle: Primer

Cycle: Primer

Type course: Obligatoria

Type program: Graduat/da

H.2 Coordination teaching

Type coordination: Participació en projectes lligats a l'EEES (ECTS/Pla pilot DURSI)

Course academic: 2010

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 10

Type coordination: Responsable d'assignatures

Course academic: 2010

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 3

Type coordination: Participació en projectes lligats a l'EEES (ECTS/Pla pilot DURSI)

Course academic: 2010

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Physics

Hours coordination:

Type coordination: Responsable d'assignatures

Course academic: 2011

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 6

Type coordination: Responsable d'assignatures

Course academic: 2012

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 6

Type coordination: Responsable d'assignatures

Course academic: 2013

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 6

Type coordination: Responsable d'assignatures

Course academic: 2014

Body: Universitat Politècnica de Catalunya

School: Barcelona School of Civil Engineering

Course: Applied Physics

Hours coordination: 5

I. Scientific career summary and contribution relevant

I.1 Scientific career summary

Summary: My research focuses on the study of coastal geomorphology with the aim of understand the underlying physical processes in the complex dynamics of morphological changes. To do this, I have studied the formation and evolution of wide variety of coastal morphological patterns through numerical modeling. The patterns that I have studied cover a broad range of scales and include the cusps in the coastline, crescentic bars and sandbars on the continental shelf. I have specialized studying the mechanisms and processes involved in the formation of these patterns, their maintenance and eventual destruction. Nowadays, I am focusing my studies on the interactions between different patterns.

The results of this research not only increases the scientific understanding of the processes in the coastal region but it may also be useful to improve engineering tools and contribute to coastal management. In this sense some of my research has been directed to theoretical studies on the effect of human interventions (regeneration, dredging) can cause on the coastal environment

As part of the research work I have participated in the development of different numerical codes. Some of the codes are developed myself and others result of collaborations with other researchers. The code development and, in general, the scientific studies have been carried out in collaboration with several research groups of international prestige.

Throughout my career, I have taken part on 13 research funded projects, I am author of 43 peer-review papers on JCR indexed journals (over 81 scientific publications) and of more than 80 presentations in congresses and symposiums.
