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

<table>
<thead>
<tr>
<th>Surnames and first name</th>
<th>ID/passport number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daniel Calvete Manrique</td>
<td>44000252X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nationality</th>
<th>Date of birth</th>
<th>Sex</th>
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<tbody>
<tr>
<td>Espanya</td>
<td>09/08/1970</td>
<td>X</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept. Física Alicada. Modul B5-006. Campus Nord., 08034 Barcelona</td>
</tr>
</tbody>
</table>

2. Current job status

<table>
<thead>
<tr>
<th>Institution/organisation/company</th>
<th>School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universitat Politècnica de Catalunya</td>
<td>Barcelona School of Civil Engineering (ETSECCPB)</td>
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<table>
<thead>
<tr>
<th>Department/section/unit</th>
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<tr>
<td>Department of Physics</td>
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<table>
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<tr>
<th>Post held</th>
<th>Start date</th>
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<tr>
<td>Tenure-track 2 lecturers</td>
<td>01/09/2008</td>
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<tr>
<th>Administrative status</th>
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<tr>
<td>X Publicly contracted</td>
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<td>Open-ended contract</td>
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<tr>
<td>Grant holder</td>
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<tr>
<td>Untenured lecturer/Temporary</td>
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<td>Other</td>
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<tr>
<th>Commitment</th>
<th>Specialisation (UNESCO codes)</th>
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<td>X Full-time</td>
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<tr>
<td>Part-time</td>
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3. Education

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<th>Undergraduate degree/1st cycle/1st and 2nd cycle/2nd cycle</th>
<th>School</th>
<th>Date of graduation</th>
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<tbody>
<tr>
<td>1. Degree holder. Ciencies Físiques</td>
<td>1. UB</td>
<td>1. 27/06/1995</td>
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<table>
<thead>
<tr>
<th>Doctoral degree</th>
<th>School</th>
<th>Date of graduation</th>
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4. Scientific or professional activities prior to current status

<table>
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<th>Category</th>
<th>Institution</th>
<th>Period</th>
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<tbody>
<tr>
<td>1. Adjunct lecturers</td>
<td>1. Universitat Politècnica de Catalunya</td>
<td>1. 16/10/1995 - 31/05/1999</td>
</tr>
<tr>
<td>2. Adjunct lecturers</td>
<td>2. UPC</td>
<td>2. 16/10/1995 - 31/05/1999</td>
</tr>
<tr>
<td>3. Researcher</td>
<td>3. UPC</td>
<td>3. 10/02/1996 - 31/01/1999</td>
</tr>
<tr>
<td>4. Postdoctoral research staff</td>
<td>4. Utrecht University</td>
<td>4. 01/06/1999 - 31/05/2001</td>
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<td>5. Postdoctoral research staff</td>
<td>5. UPC</td>
<td>5. 01/07/2001 - 31/08/2002</td>
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<tr>
<td>7. Adjunct lecturers</td>
<td>7. UPC</td>
<td>7. 01/09/2002 - 31/08/2003</td>
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5. Languages (A = excellent, B = good, C = fair)

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<th>Language</th>
<th>Speaking</th>
<th>Reading</th>
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<td>1. English</td>
<td>1. Excellent</td>
<td>1. Excellent</td>
<td>1. Excellent</td>
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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
ISSN: 0278-4343 Year: 2015
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
ISSN: 8755-1209 Year: 2015
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
ISSN: 0094-8276 Year: 2015
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
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
ISSN: 0278-4343 Year: 2014
Category Name: Position of total number of Journals: Third: Quartile: Q2

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
ISSN: 1616-7341 Year: 2014
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

Research groups: DF - Nonlinear Fluid Dynamics
Title: Vulnerability of sandy coasts to climate variability
ISSN: 0936-577X Year: 2013
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
ISSN: 0094-8266 Year: 2013
Category Name: Position of total number of Journals: Third: Quartile: Q1

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
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)
ISSN: 1631-0713 Year: 2012
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
ISSN: 0148-0227 Year: 2012
Category Name:
Position of total number of Journals: Third: Quartile: Q1

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
ISSN: 0924-7963 Year: 2011
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
ISSN: 0749-0208 Year: 2011
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
ISSN: 0148-0227 Year: 2010
Category Name:
Position of total number of Journals: Third: Quartile: Q1
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


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


ISSN: 0378-3839 Year: 2010


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&_func=&_orig=search&sort=d&_docanchor=&view=c&_acct=C000053450&_version=1&_urlVersion=0&_userid=1517299&md5=5de1a241d8a6c5c34437c9507659c

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


ISSN: 1616-7341 Year: 2009


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 proprieties of modelled finite-amplitude sand ridges on the inner shelf


ISSN: 1023-5809 Year: 2008


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


ISSN: 0378-3839 Year: 2008


Category Name: Position of total number of Journals: Third: Quartile: Q1

Link to text: http://www.sciencedirect.com/science/article/pii/S0378383907001573
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
ISSN: 0148-0227
Year: 2007
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
ISSN: 0378-3839
Year: 2007
Category Name: Position of total number of Journals: Third: Quartile: Q1

Authors: Calvete, D.; Coco, G.; Falques, A.; Dodd, N.
Research groups: DF - Nonlinear Fluid Dynamics

Title: (Un)predictability in rip channel systems
ISSN: 0094-8276
Year: 2007
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 os shore-oblique/transverse sand bars
ISSN: 0022-1120
Year: 2006
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
ISSN: 0148-0227
Year: 2006
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
ISSN: 0148-0227 Year: 2005
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
ISSN: 0148-0227 Year: 2005
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
ISSN: 1616-7341 Year: 2004
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
ISSN: 1616-7341 Year: 2003
Category Name:
Position of total number of Journals: Third: Quartile: Q2
Link to text: http://springerlink.metapress.com/content/v5e5bteyl4v991wg

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
ISSN: 0148-0227 Year: 2003
Category Name:
Position of total number of Journals: Third: Quartile: Q1
Link to text: http://hdl.handle.net/2117/9486

Daniel Calvete Manrique, 44000252X
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
ISSN: 0148-0227 Year: 2003
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
ISSN: 0749-0208 Year: 2003
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
ISSN: 0278-4343 Year: 2002
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
ISSN: 0278-4343 Year: 2002
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.; Schuttelbaars, H.; Calvete, D.; Dijkstra, H.
Research groups: DF - Nonlinear Fluid Dynamics
Title: Instability of time-dependent wind-driven ocean gyres
ISSN: 1070-6631 Year: 2002
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 channel 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
ISSN: 0022-1120 Year: 2001
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
ISSN: 0148-0227 Year: 2001
Category Name: Position of total number of Journals: Third: Quartile: Q1

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.:
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.:
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
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
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: Nna¿e, 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
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): 1-1  Type of document: Abstract-Conference Paper
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
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
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
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
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
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
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
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Conference edition: EGU General Assembly 2012
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Year: 2012
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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
URL to publication: http://www.geophysical-research-abstracts.net/gra_volume_14.pdf
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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
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Published: Proceeding of the 7th IAHR Symposium on River, Coastal and Estuarine Morphodynamics. 2011.
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Conference edition: The 7th Symposium on River, Coastal and Estuarine Morphodynamics
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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.
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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
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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.:
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
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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.:
URL to publication: Conference edition: VIII Jornadas Españolas de Ingeniería de Costas y Puertos
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.
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.:
URL to publication: Conference edition: 29th International Conference on Coastal Engineering (ICCE 2004)
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.
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:
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
ISBN: 978-981-256-298-2

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):
ISBN: 84-95662-29-9

URL to publication:

Conference edition: Jornadas sobre avances en Ingenieria de Costas y Oceanografia 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
ISBN: 9080564966

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


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

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

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): 1-1

Type of document: Article-Conference Paper

ISBN: 981-238-422-7


URL to publication: http://www.coastalsediments.net


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/accreción a lo largo de la costa

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper


URL to publication: http://www.puertosycostas.com/almeria2003

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

Year: 2003

Town/city: Almeria

Country: Espanya

Authors: Falques, A.; Calvete, D.

Research groups: DF - Nonlinear Fluid Dynamics

Title: Dynamics of small amplitude shoreline sand waves

Pages (first-last): 1-1

Type of document: Abstract-Conference Paper

ISBN: 1607-7962


URL to publication: 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.; Damgaard, J.; Chesher, T.; Hall, L.; Calvete, D.; Falques, A.

Research groups: DF - Nonlinear Fluid Dynamics

Title: Morphodynamic Modeling of Rip Channel Growth

Type of document: Abstract-Conference Paper


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

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

Type of document: Abstract-Conference Paper


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

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

Type of document: Article-Conference Paper

Pages (first-last): ISBN:


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

Type of document: Abstract-Conference Paper


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

Conference edition: XXV GENERAL ASSEMBLY OF EUROPEAN GEOPHYSICAL SOCIETY

Type of conference edition: Conference

Year: 2000

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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.: 


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.: 


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

Type of document: Abstract-Conference Paper


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

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

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

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

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


Legal deposit no.: Year: 1999
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.

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

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


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.

Title of the book: Coastal Sediments '07

Publisher: American Society of Civil Engineers (ASCE)

ISBN: 978-0-7844-0926-8

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.

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

Publisher: ASCE

ISBN: 0-7844-0855-6

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

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

Publisher: Real Academia de Ingeniería

ISBN: 84-95662-29-9

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

Pages (first-last): 3321-3332

Link to book chapter:

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 Estuaries and Coastal Seas

Publisher: Balkema

ISBN: 9054109643

Year: 1998

Pages (first-last): 417-424

Link to book chapter:

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

Daniel Calvete Manrique, 44000252X
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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
Conference edition: 9th symposium
Type of conference edition: Conference
Year: 2015
Town/city: Iquitos
Country: Peru
Published: RCEM 2015. 2015.
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: 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: 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 oblícuas 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

Conference edition: NCK - Dagen 2004

Type of conference edition: Conference

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

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

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

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 channel systems

Type of participation: Poster presentation

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. |
| Title of paper | Development of morfo55 and morfo60 |
| Type of participation | Lecture |
| Conference edition | Semestral Workshop of the EC sponsored HUMOR project |
| Town/city | Cádiz |
| Country | Espanya |
| Year | 2002 |
| Date of presentation | 06/02/2002 |

| Authors | Calvete, D. |
| Type of participation | Lecture |
| Conference edition | Semestral Workshop of the EC sponsored HUMOR project |
| Town/city | Cádiz |
| Country | Espanya |
| Year | 2002 |
| Date of presentation | 06/02/2002 |

| Authors | Calvete, D. |
| Title of paper | A nonlinear model for shoreface-connected sand ridges. |
| Type of participation | Lecture |
| Conference edition | Euromech 395: Coastal estuarine and river forms |
| Town/city | Enschede |
| Country | Netherlands |
| Year | 1999 |
| Date of presentation | 02/06/1999 |

| Authors | Calvete, D. |
| Title of paper | Non-linear modeling of shoreface-connected ridges |
| Type of participation | Communication presentation |
| Conference edition | Workshop of the EC MAST sponsored PACE project |
| Town/city | Lund |
| Country | Sweden |
| Year | 1998 |
| Date of presentation | 05/09/1998 |

| Authors | Calvete, D. |
| Title of paper | Modeling shoreface-connected sand ridges |
| Type of participation | Communication presentation |
| Conference edition | PACE Overall Workshop |
| Town/city | Londres |
| Country | United Kingdom |
| Year | 1998 |
| Date of presentation | 01/02/1998 |
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
Conference edition: I Jornades de Doctorat. Departament de Física Aplicada
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
Conference edition: 1st Overall workshop of the EC MAST sponsored PACE project
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
Conference edition: 8th International Biennial Conference on Physics of Estuaries and Coastal Seas
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
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
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

Name of course or seminar: Numerical models for coastal processes

Type of edition: Course

School: Granada

Country: Espanya

Hours given:

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: Zahara de los atunes

Country:

B.8

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

Type of edition: Course

Year of edition: 2015

Start date: 05/11/2015

End date: 26/11/2015

School: Barcelona

Country: Espanya

Town/city:

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: Barcelona

Country: Espanya

Town/city:

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: Santander

Country: Espanya

Town/city:

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: Barcelona

Country: Espanya

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C. Projects and intellectual and industrial property

C.1 Participation in R&D calls

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<td>CTM2006-08875 MORFODINÁMICA DE PLAYAS: PREDICCIÓNEN LAS GRANDES ESCALAS ESPACIO-Temporales</td>
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<td>Head researcher</td>
<td>Falques, A.</td>
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Type of participation: Researcher

Research groups: DF - Nonlinear Fluid Dynamics

Code of funding body:

Title: Dinàmica de fluidos: 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: Morfodinámica de playas urbanizadas: integración 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: Modellering 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: Modellering 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 Failliteren (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 SEDIMIENTO 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

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 Symposiun 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: Nnafe, 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 batimetria 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
Acquisition date: 2004
Acquisition date: 01/01/2009
Number of segments recognized: 1
Scope: Autonòmic
Awarding body: Universitat Politècnica de Catalunya

Name: Mèrits bàsics docència (Quinquenni)
Level: G1
Acquisition date: 2010
Acquisition date: 01/01/2012
Number of segments recognized: 1
Scope: Autonòmic
Awarding body: Universitat Politècnica de Catalunya

Name: Mèrits bàsics recerca (Sexenni)
Level: G1
Acquisition date: 2003
Acquisition date: 01/01/2009
Number of segments recognized: 1
Scope: 
Awarding body:

Name: Mèrits bàsics recerca (Sexenni)
Level: G1
Acquisition date: 2009
Acquisition date: 01/01/2010
Number of segments recognized: 1
Scope: 
Awarding body:

Name: Mèrits add. docència (Compl. autonòmic)
Level: G1A1
Acquisition date: 2004
Acquisition date: 01/01/2009
Number of segments recognized: 1
Scope: Autonòmic
Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: Mèrits add. docència (Compl. autonòmic)
Level: G1A7
Acquisition date: 2010
Acquisition date: 01/01/2012
Number of segments recognized: 1
Scope: Autonòmic
Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Name: Mèrits add. recerca (Compl. autonòmic)
Level: G1A1
Acquisition date: 2003
Acquisition date: 01/01/2009
Number of segments recognized: 1
Scope: Autonòmic
Awarding body: AQU - Agència de la Qualitat Universitària de Catalunya

Daniel Calvete Manrique, 44000252X

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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, Periode 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, Renesse, Países 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, Renesse, Países 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
Town/city: Utrecht
Country: Netherlands
Start date: 01/06/1999
End date: 01/06/2001
Duration: 2 Year/s 1 Day/s
Comparable tasks: Investigación 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
Town/city: Utrecht
Country: Netherlands
Start date: 01/08/1996
End date: 31/12/1996
Duration: 5 Month/s 2 Day/s
Comparable tasks: Investigació sobre bancs de sorra connectats a la costa a la plataforma continental

H. Actividades de docencia

H.1 Subject taught

Code course: 13388
Credits course: -
Course: -
Academic year: 1995
Semester: Segon Quadrimestre
Course/level: Obligatòria
Type course: Obligatòria
Type program: Enginyeria tècnica

Code course: 18003
Credits course: 9.0
Course: MECHANICS
Hours laboratory/directed activities/theory/practice: - / 40.0 / - / -
Academic year: 1995
Semester: Primer Quadrimestre
Course/level: Obligatòria
Type course: Obligatòria
Type program: Enginyeria

Code course: 18003
Credits course: 9.0
Course: MECHANICS
Hours laboratory/directed activities/theory/practice: - / - / - / 23.33
Academic year: 1995
Semester: Segon Quadrimestre
Course/level: Obligatòria
Type course: Obligatòria
Type program: Enginyeria
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Daniel Calvete Manrique, 44000252X
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| School: Barcelona School of Civil Engineering |
| Cycle: Primer |
| Type course: PR Type program: Graduat/da |

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| School: Barcelona School of Nautical Studies (FNB) |
| Cycle: Primer |
| Type course: Obligatòria Type program: Graduat/da |

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| Body: Universitat Politècnica de Catalunya |
| School: Barcelona School of Civil Engineering |
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Cycle: Primer
Type course: Obligatòria
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: 2011
Body: Universitat Politècnica de Catalunya
School: Barcelona School of Civil Engineering
Course: 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
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.