



Juan Fernández Gracia

Generated from: Editor CVN de FECYT

Date of document: 18/05/2022

v 1.4.3

25b4a47428ad88bcb83b417abd5a7011

This electronic file (PDF) has embedded CVN technology (CVN-XML). The CVN technology of this file allows you to export and import curricular data from and to any compatible data base. List of adapted databases available at: <http://cvn.fecyt.es/>



25b4a47428ad88bcb83b417abd5a7011

Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium- and long- term. It also includes other important aspects or peculiarities.

I have 29 publications, of which 3 are book chapters. 21 of them are in Q1 journals (8 in D1) and I have been cited 640 times and have an h-index of 12 (WOS). My work has been featured over 20 times in scientific blogs and news outlets. The multidisciplinary nature of my work is reflected by the journals where I have published: generalists (2 PNAS, 1 Plos ONE, 1 Science Advances, 7 Scientific Reports), physics (1 PRL, 2 PRE, 1 Frontiers in physics), ecology (1 TREE, 1 Ecological Applications, 1 Biological Conservation) and others that include medicine (Frontiers in Medicine), marine science (Frontiers in Marine Science), complex systems (Complexity) and even forensic science (Forensic Science International). I have made 41 contributions to congresses and workshops (25 oral, 16 poster). The congresses again reflect the interdisciplinarity of my work, as I have participated in congresses about network science (Costnet, Netsci, Complex Networks, Network Frontiers), physics (APS, DPG), complex systems (Crossroads in Complex Systems, International Conference on Complex Systems, BIFI, Orflow, Robust), social sciences (SBP-BRIMS, WEHIA, Sunbelt, CEF) and others at the interface between physics and other disciplines (Physics & Ecology at the Scientific Meetings in the Mediterranean, Econophysics workshop of the Spanish Econophysics Society, now COMSOTEC). I received the best paper award at SBP-BRIMS 2017.

I have been a postdoctoral fellow at IMEDEA (UIB-CSIC) for 6 months in 2014; at Harvard T.H. Chan School of Public Health for 2 years through project MIDAS (NIH) in 2015 and 2016; and since 2017 at IFISC (CSIC-UIB) through international (CAASE) and national (SPASSIM) projects, as well as with a competitive postdoctoral contract from UIB (2019-2021) and the excellence postdoctoral program of the government of the Balearic Islands, Vicenç Mut (2021- now).

I have participated as researcher in 9 projects: 3 international ones (MIDAS, CAASE, LASAGNE), 3 national ones (SPASSIM, MODASS, FISICOS), a regional one (Física Interdisciplinar) and 2 small regional outreach projects (EL IFISC - Una introducción a la Física de los Sistemas Complejos: Caos y Patrones, El IFISC y el paradigma de los sistemas complejos).

I have made 41 contributions to congresses and workshops (25 oral, 16 poster). The congresses again reflect the interdisciplinarity of my work, as I have participated in congresses about network science (Costnet, Netsci, Complex Networks, Network Frontiers), physics (APS, DPG), complex systems (Crossroads in Complex Systems, International Conference on Complex Systems, BIFI, Orflow, Robust), social sciences (SBP-BRIMS, WEHIA, Sunbelt, CEF) and others at the interface between physics and other disciplines (Physics & Ecology at the Scientific Meetings in the Mediterranean, Econophysics workshop of the Spanish Econophysics Society, now COMSOTEC).

I received the best paper award at SBP-BRIMS 2017.

I have been a postdoctoral fellow at IMEDEA (UIB-CSIC) for 6 months in 2014; at Harvard T.H. Chan School of Public Health for 2 years through project MIDAS (NIH) in 2015 and 2016;



and since 2017 at IFISC (CSIC-UIB) through international (CAASE) and national (SPASSIM) projects, as well as with a competitive postdoctoral contract from UIB (2019-2021) and the excellence postdoctoral program of the government of the Balearic Islands, Vicenç Mut (2021- now).

I have participated as researcher in 9 projects: 3 international ones (MIDAS, CAASE, LASAGNE), 3 national ones (SPASSIM, MODASS, FISICOS), a regional one (Física Interdisciplinar) and 2 small regional outreach projects (EL IFISC - Una introducción a la Física de los Sistemas Complejos:Caos y Patrones, El IFISC y el paradigma de los sistemas complejos).

I have made several short stays (1 to 4 weeks) at the Harvard T.H. Chan School of Public Health (Boston, USA), at King Abdullah University of Science and Technology (Thuwal, Saudi Arabia), the University of Western Australia (Perth, Australia), Telenor (Oslo, Norway), the Human Nature Lab (Cambridge, USA) and the COSIN3 group at Universitat Oberta de Catalunya (Castelldefels, Spain).

I have participated actively in outreach activities such as the Pint of Science, the Week of Science and Technology and the Science Fair of the Balearic Islands when there was one. I am currently codirecting the PhD thesis of Ms. Somaye Sheykhali. I have also codirected 2 master thesis. I have served as external evaluator for the Dutch Research Council. I am certified as 'contratado doctor' by the regional quality agency of the Balearic Islands (AQUIB).



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Number of publications: 29

Open access publications: 15

Information extracted from the ISI Web of Science on January 21st 2022:

Total number of citations: 606

Average number of citations/year in the period 2017-2021: 64.8

Q1 publications : 18

D1 publications: 8

h index : 12

Information extracted from the Google scholar profile on January 21st 2022 (<https://scholar.google.com/citations?hl=es&user=kVmTOj4AAAAJ>):

Total number of citations: 934

h index: 14

i10 index: 19



CURRÍCULUM VITAE NORMALIZAD

4

DNI: 47732959R ORCID: 0000-0001-9728-7666 ScopusID:
35185080200 ResearcherID: S-4344-2018 Date of birth:
22/03/1984 Gender: Male
Nationality: Spain
Country of birth: Spain
Aut. region/reg. of birth: Catalonia Contact province: Balearic
Islands City of birth: Barcelona

25b4a47428ad88bcb83b417abd5a7011

Juan Fernández Gracia

Surname(s): Fernández Gracia Name: Juan

Contact address: C/ Bisbe Cabanelles 14, 6 2
 Postcode: 07005
 Contact country: Spain
 Contact aut. region/reg.: Balearic Islands
 Contact city: Palma de Mallorca
 Land line phone: (+34) 971259518
 Email: juanf@ifisc.uib-csic.es
 Mobile phone: (+34) 622111786
 Personal web page: <https://ifisc.uib-csic.es/en/people/juan-fernandez-gracia/> Current professional

situation

Employing entity: Consejo Superior de Investigaciones Científicas Type of entity: State agency

Department: Instituto de física interdisciplinar y sistemas complejos (IFISC), UIB-CSIC
 Professional category: Postdoctoral researcher
 City employing entity: Palma de Mallorca, Balearic Islands, Spain
 Phone: (+34) 971259518
 Start date: 01/02/2017

Type of contract: Grant-assisted student Dedication regime: Full time
 (pre or post-doctoral, others)

Primary (UNESCO code): 229900 - Other physical specialities (specify)

Performed tasks: Complex Systems approach to movement ecology, spreading processes, social dynamics, complex networks.

Identify key words: Net dynamics; Percolation; Econophysics; Simulations outside data analysis; Nets; Natural sciences and health sciences

Previous positions and activities

	Employing entity	Professional category	Start date
1	Harvard T.H. Chan School of Public Health	Postdoctoral researcher	15/01/2015



	Employing entity	Professional category	Start date
2	Institut Mediterrani d'Estudis Avançats	Postdoctoral researcher	01/07/2014

1 Employing entity: Harvard T.H. Chan School of Public Health
City employing entity: United States of America
Professional category: Postdoctoral researcher
Type of entity: University

Start-End date: 15/01/2015 - 15/01/2017 Duration: 2 years
d'Estudis Avançats

2 Employing entity: Institut Mediterrani
Type of entity: Public Research Body

Department: Institut Mediterrani d'Estudis Avançats, Institut Mediterrani d'Estudis Avançats
City employing entity: Balearic Islands, Spain
Professional category: Postdoctoral researcher
Start-End date: 01/07/2014 - 31/12/2014 Duration: 6 months
Type of contract: Temporary
Dedication regime: Full time



University education

1st and 2nd cycle studies and pre-Bologna degrees

1 University degree: Official Master

Name of qualification: Physics M.Sc.

City degree awarding entity: Spain

Degree awarding entity: UIB (Universitat de les Illes Balears)

Date of qualification: 03/02/2011

Average mark: Excellent

Name of qualification: Physics degree

City degree awarding entity: Spain

Type of entity: University

2 University degree: Higher degree

Degree awarding entity: Universitat de Barcelona Type of entity: University Date of qualification: 10/07/2009
Average mark: Good

Doctorates

Doctorate programme: Doctor en Física
Degree awarding entity: Universidad de las Islas Baleares Date of degree: 18/02/2014
Type of entity: University
City degree awarding entity: Spain

Thesis title: From Mechanisms to data inspired-modeling of collective social phenomena
Thesis director: Maxi San Miguel y Victor M. Eguiluz

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	B1	B1	B1	B1	A2
English	C1	C1	C1	C1	C1
German	C1	C1	C1	C1	C1
Catalan	C2	C2	C2	C2	C2
Spanish	C2	C2	C2	C2	C2

7



CURRÍCULUM VITAE NORMALIZADO

25b4a47428ad88bcb83b417abd5a7011

General teaching experience

1 Name of the course: Physics I

University degree: Chemistry degree

Start date: 16/09/2021 End date: 31/01/2022 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: Facultad de Ciencias

2 Name of the course: Statistical physics

University degree: Physics degree

Start date: 15/02/2021 End date: 30/06/2021 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: Facultad de Ciencias

3 Name of the course: Physics I

University degree: Chemistry degree

Start date: 16/09/2020 End date: 31/01/2021 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: Facultad de Ciencias

4 Name of the course: Physics I

University degree: Chemistry degree

Start date: 16/09/2019 End date: 31/01/2020 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: Facultad de Ciencias

5 Name of the course: Complex Networks

University degree: Complex Systems Master

Start date: 02/10/2018 End date: 30/03/2019 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: IFISC

6 Name of the course: Complex Networks

University degree: Complex Systems Master

Start date: 02/10/2017 End date: 30/03/2018 Entity: Universidad de las Islas

Baleares Type of entity: University Faculty, institute or centre: IFISC

7 Name of the course: Hands on Complex Networks

University degree: IV Summer School on Statistical Physics of Complex and Small Systems

Start date: 08/09/2014 End date: 19/09/2014

Entity: INSTITUTO DE FISICA COMPLEJOS

INTERDISCIPLINAR Y SISTEMAS Type of entity: State agency



Experience supervising doctoral thesis and/or final year projects

1 Project title: Aggression-affiliation Motifs in Bottlenose Dolphins' Social Networks

Type of project: Minor thesis

Co-director of thesis: José J Ramasco Sukia; Juan Fernández Gracia

Entity: University of the Balearic Islands Type of entity: University

Student: Ana Pérez Manrique

Date of reading: 06/03/2020

2 Project title: Multiple options noisy voter model: application to european elections

Type of project: Minor thesis

Co-director of thesis: José Javier Ramasco Sukia

Entity: University of the Balearic Islands

City of entity: Spain

Student: Gianmarco Pisano

Date of reading: 2017

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

1 Name of the project: EL IFISC - Una introducción a la Física de los Sistemas Complejos:Caos y Patrones

Entity where project took place: Universidad de las Islas Baleares
City of entity: Spain
Type of entity: **Universitats

Name principal investigator (PI, Co-PI...): Claudio Rubén Mirasso Santos

Nº of researchers: 5

Funding entity or bodies:

Conselleria d'Innovació, Interior i Justícia Type of entity: **Administracions Públiques City funding entity: Spain

Code according to the funding entity: 011FC2011

Start-End date: 17/01/2011 - 01/01/2050 Duration: 38 years - 11 months - 16 days Participating entity/entities: Universitat de les Illes Balears

Total amount: 4.500 €

2 Name of the project: Espacio-temporalidad en las interacciones sociobiológicas, modelos y métodos

Entity where project took place: Universidad de las Islas Baleares
City of entity: Spain
Type of entity: **Universitats

Name principal investigator (PI, Co-PI...): Victor Martinez Eguiluz; Konstantin Klemm -

Nº of researchers: 3

Funding entity or bodies:

Ministerio de Economía y Competitividad (MINECO) Type of entity: **Ministeris

9



CURRÍCULUM VITAE NORMALIZADO

25b4a47428ad88bcb83b417abd5a7011

City funding entity: Spain

Code according to the funding entity: FIS2016-80067-P

Start-End date: 30/12/2016 - 29/12/2020 Duration: 4 years Participating entity/entities: CSIC

Total amount: 54.450 €

3 Name of the project: MIDAS Center for Communicable Disease Dynamics

Entity where project took place: Harvard T.H. Chan School of Public Health
City of entity: Boston, United States of America
Funding entity or bodies: National Institutes of Health
Type of entity: University Centres and Structures and Associated Bodies

City funding entity: United States of America

Start-End date: 15/09/2009 - 31/08/2019

Total amount: 22.000.000 €

4 Name of the project: CAASSE - Coupled Animal and Artificial Sensing for Sustainable Ecosystems, finançat per 'King Abdullah University of Science and Technology'

Entity where project took place: City of entity: Spain
Universidad de las Islas Baleares Type of entity: **Universitats

Name principal investigator (PI, Co-PI...): Victor Martinez Eguiluz

Nº of researchers: 3

Funding entity or bodies:

King Abdullah University of Science and Technology Type of entity: **Universitats

City funding entity: Saudi Arabia

Code according to the funding entity: OSR-2015-SENSORS-2707

Start-End date: 01/01/2016 - 31/12/2018 Duration: 3 years Participating

entity/entities: Universitat de les Illes Balears

Total amount: 160.840,55 €

5 Name of the project: LASAGNE - multi-LAYer SpAtiotemporal Generalized NETWORKS

Entity where project took place: Type of entity: **Universitats

Universidad de las Islas Baleares

City of entity: Spain

Name principal investigator (PI, Co-PI...): Maximino San Miguel Ruibal

Nº of researchers: 6

Funding entity or bodies:

European Commission Type of entity: **Unió Europea City funding entity: Unknown

Code according to the funding entity: FP7-ECGA-318132

Start-End date: 01/11/2012 - 31/10/2015 Duration: 3 years Participating

entity/entities: Universitat de les Illes Balears

Total amount: 201.476,25 €

6 Name of the project: Física interdisciplinar

Entity where project took place: Type of entity: **Universitats

Universidad de las Islas Baleares

City of entity: Spain



Name principal investigator (PI, Co-PI...): Maximino San Miguel Ruibal

Nº of researchers: 36

Funding entity or bodies:

Conselleria d'Innovació, Interior i Justícia Type of entity: **Administracions Públiques City funding entity: Spain

Code according to the funding entity: 59/2011

Start-End date: 01/12/2011 - 30/11/2014 Duration: 3 years

Participating entity/entities: Universitat de les Illes Balears

Total amount: 36.000 €

7 Name of the project: MODASS: Modelización y análisis de sistemas sociales: evolución estructural, correlaciones temporales y propagación de opiniones

Entity where project took place: Consejo Superior de Investigaciones Científicas City of entity: Spain
Type of entity: **Altres organismes

Name principal investigator (PI, Co-PI...): Víctor M. Eguíluz

Nº of researchers: 4

Funding entity or bodies:

Fondos FEDER Type of entity: **Altres organismes City funding entity: Unknown

Ministerio de Ciencia e Innovación Type of entity: **Altres organismes City funding entity: Unknown

Code according to the funding entity: FIS2011-24785

Start-End date: 2012 - 2014 Duration: 2 years - 1 day Participating
entity/entities: Consejo Superior de Investigaciones Científicas Total amount:
77.440 €

8 Name of the project: FISICOS (Interdisciplinary Physics of Complex Systems)

Entity where project took place: Universidad de las Islas Baleares Type of entity: **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI...): Maximino San Miguel Ruibal

Nº of researchers: 9

Funding entity or bodies:

Secretaria de Estado de Universidades e Investigación del MEC FIS07-60327
Type of entity: **Altres organismes

City funding entity: Unknown

Code according to the funding entity:

Start-End date: 2007 - 2012 Duration: 5 years - 1 day Participating

entity/entities: Universitat de les Illes Balears

Total amount: 1.300.000 €

9 Name of the project: El IFISC y el paradigma de los sistemas complejos

Entity where project took place: Universidad de las Islas Baleares Type of entity: **Universitats

City of entity: Spain

Name principal investigator (PI, Co-PI...): Claudio Rubén Mirasso Santos

Nº of researchers: 5

Funding entity or bodies:

Conselleria d'Innovació, Interior i Justícia Type of entity: **Administracions Públiques

City funding entity: Spain

Code according to the funding entity: 034FC2010

Start-End date: 01/01/2010 - 15/09/2010 Duration: 8 months - 15 days

Participating entity/entities: Universitat de les Illes Balears

Total amount: 1.900 €

Scientific production

1 H index: 12

Date of application: 21/01/2022

Fuente de Indice H: WOS

2 H index: 14

Date of application: 26/01/2022

Fuente de Indice H: GOOGLE SCHOLAR

Publications, scientific and technical documents

1 Amanda E. Bates; Richard B. Primack; Brandy S. Biggar; Tomas J. Bird; Mary E. Clinton; Rylan J. Command; Cerren Richards; Marc Shellard; Nathan R. Gheraldi; Valeria Vergara; Orlando Acevedo-Charry; Zuania Colón-Piñeiro; David Ocampo; Natalia Ocampo-Peñuela; Lina M. Sánchez-Clavijo; Cristian M. Adamescu; Sorin Cheval; Tudor Racoviceanu; Matthew D. Adams; Egide Kalisa; Vincent Z. Kuuire; Vikram Aditya; Pia Anderwald; Samuel Wiesmann; Sonja Wipf; Gal Badihi; Matthew G. Henderson; Hanspeter Loetscher; Katja Baerenfaller; Lisandro Benedetti-Cecchi; Fabio Bulleri; Iacopo Bertocci; Elena Maggi; Luca Rindi; Chiara Ravaglioli; Kristina Boerder; Julien Bonnel; Delphine Mathias; Philippe Archambault; Laurent Chauvaud; Camrin D. Braun; Simon R. Thorrold; Jacob W. Brownscombe; Jonathan D. Midwood; Christine M. Boston; Jill L. Brooks; Steven J. Cooke; Victor China; Uri Roll; Jonathan Belmaker; Assaf Zvuloni; Marta Coll; Miquel Ortega; Brendan Connors; Lisa Lacko; Dinusha R.M. Jayathilake; Mark J. Costello; Theresa M. Crimmins; LoriAnne Barnett; Ellen G. Denny; Katharine L. Gerst; R.L. Marsh; Erin E. Posthumus; Reilly Rodriguez; Alyssa Rosemartin; Sara N. Schaffer; Jeff R. Switzer; Kevin Wong; Susan J. Cunningham; Petra Sumasgutner; Arjun Amar; Robert L. Thomson; Miqkayla Stofberg; Sally Hofmeyr; Jessleena Suri; Rick D. Stuart-Smith; Paul B. Day; Graham J. Edgar; Antonia T. Cooper; Fabio Cabrera {De Leo}; Grant Garner; Paulson G. {Des Brisay}; Michael B. Schrimpf; Nicola Koper; Michael S. Diamond; Ross G. Dwyer; Cameron J. Baker; Craig E. Franklin; Ron Efrat; Oded Berger-Tal; Ohad Hatzofe; Víctor M. Eguíluz; Jorge P. Rodríguez; Juan Fernández-Gracia; David Elustondo; Vicent Calatayud; Philina A. English; Stephanie K. Archer; Sarah E. Dudas; Dana R. Haggarty; Austin J. Gallagher; Brendan D. Shea; Oliver N. Shipley; Ben L. Gilby; Jasmine Ballantyne; Andrew D. Olds; Christopher J. Henderson; Thomas A. Schlacher; William D. Halliday; Nicholas A.W. Brown; Mackenzie B. Woods; Sigal Balshine; Francis Juanes; Mitchell J. Rider; Patricia S. Albano; Neil Hammerschlag; Graeme C. Hays; Nicole Esteban; Yuhang Pan; Guojun He; Takanao Tanaka; Marc J.S. Hensel; Robert J. Orth; Christopher J. Patrick; Jonas Hentati-Sundberg; Olof Olsson; Margot L. Hensing-Lewis; Nicholas D. Higgs; Mark A. Hindell; Clive R. McMahon; Rob Harcourt; Christophe Guinet; Sarah E. Hirsch; Justin R. Perrault; Shelby R. Hoover; Jennifer D. Reilly; Catherine Hobaiter; Thibaud Gruber; Charlie Huveneers; Vinay Udyawer; Thomas M. Clarke; Laura P. Kroesen; David S. Hik; Seth G. Cherry; Justin A. {Del Bel Belluz}; Jennifer M. Jackson; Shengjie Lai; Clayton T. Lamb; Gregory D. LeClair; Jeffrey R. Parmelee; Matthew W.H. Chatfield; Cheryl A. Frederick; Sangdon Lee; Hyomin Park; Jaein Choi; Frédéric LeTourneau; Thierry Grandmont; Frédéric Dulude de-Broin; Joël Bêty; Gilles Gauthier; Pierre Legagneux; Jesse S. Lewis; Jeffrey Haight; Zhu Liu; Jarod P. Lyon; Robin Hale; Dallas D'Silva; Ian MacGregor-Fors; Enrique Arbeláez-Cortés; Felipe A. Estela; Camilo E. Sánchez-Sarria; Michelle García-Arroyo; Gianni K. Aguirre-Samboní; Juan C. {Franco Morales}; Shahar Malamud; Tal Gavriel; Yehezkel Buba; Shira Salinger; Mai Lazarus; Ruthy Yahel; Yigael Ben Ari; Eyal Miller; Rotem Sade; Guy Lavian; Ziv Birman; Manor Gury; Harel Baz; Ilia Baskin; Alon



Penn; Amit Dolev; Ogen Licht; Tabi Karkom; Sharon Davidzon; Avi Berkovitch; Ofer Yaakov; Raoul Manenti; Emiliano Mori; Gentile Francesco Ficetola; Enrico Lunghi; David March; Brendan J. Godley; Cecilia Martin; Steven F. Mihaly; David R. Barclay; Dugald J.M. Thomson; Richard Dewey; Jeannette Bedard; Aroha Miller; Amber Dearden; Jennifer Chapman; Lauren Dares; Laura Borden; Donna Gibbs; Jessica Schultz; Nikita Sergeenko; Fiona Francis; Amanda Weltman; Nicolas Moity; Jorge Ramírez-González; Gonzalo Mucientes; Alexandre Alonso-Fernández; Itai Namir; Avi Bar-Massada; Ron Chen; Shmulik Yedvab; Thomas A. Okey; Steffen Oppel; Volen Arkumarev; Samuel Bakari; Vladimir Dobrev; Global COVID-19 lockdown highlights humans as both threats and custodians of the environment. *Biological Conservation*. 263, pp. 109175 - 109175. 2021. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S0006320721002275>>. ISSN 0006-3207 Type of production: Scientific paper Format: Journal

2 Jorge P. Rodríguez; Juan Fernández-Gracia; Carlos M. Duarte; Xabier Irigoien; Víctor M. Eguíluz. The global network of ports supporting high seas fishing. *Science Advances*. 7 - 9, pp. eabe3470 - eabe3470. 2021. Available on-line at: <<https://www.science.org/doi/abs/10.1126/sciadv.abe3470>>.

Type of production: Scientific paper Format: Journal

3 Víctor M. Eguíluz; Juan Fernández Gracia; Jorge P. Rodríguez; Juan M Pericás; Carlos J Melián. Risk of secondary infection waves of COVID-19 in an insular region: the case of the Balearic Islands, Spain. *Frontiers in Medicine*. 09/11/2020.

DOI: 10.3389/fmed.2020.563455

Type of production: Scientific paper Format: Journal

Position of signature: 2

Total no. authors: 5 Corresponding author: No

4 Somaye Sheykhal; Juan Fernández Gracia; Anna Traveset; Maren Ziegler; Christian R Voolstra; Carlos M Duarte; Víctor Martínez Eguíluz. Robustness to extinction and plasticity derived from mutualistic bipartite ecological networks. *Scientific Reports*. 10, pp. 9783. 17/06/2020.

Type of production: Scientific paper Format: Journal

Position of signature: 2

Total no. authors: 7 Corresponding author: Yes

5 Rebecca Kahn; Corey M Peak; Juan Fernández Gracia; Alexandra Hill; Amara Jambai; Louisa Ganda; Marcia C Castro; Caroline O. Buckee. Incubation periods impact the spatial predictability of cholera and Ebola outbreaks in Sierra Leone. *Proceedings of the National Academy of Science USA*. 117 - 9, pp. 5067 - 5073. 03/03/2020.

Type of production: Scientific paper Format: Journal

Position of signature: 3

Total no. authors: 8 Corresponding author: No

6 Víctor M. Eguíluz; Guillem Salazar; Juan Fernández-Gracia; John K. Pearman; Josep M. Gasol; Silvia G. Acinas; Shinichi Sunagawa; Xabier Irigoien; Carlos M. Duarte. Scaling of species distribution explains the vast potential marine prokaryote diversity. *Scientific Reports*. 9 - 1, pp. 1 - 8. 10/12/2019.

DOI: <https://doi.org/10.1038/s41598-019-54936-y>

Type of production: Scientific paper Format: Journal

Position of signature: 3

Total no. authors: 9

Impact source: ISI Category: MULTIDISCIPLINARY SCIENCES -- SCIE Impact index in year of publication:

3.998 Journal in the top 25%: Yes

Position of publication: 17 No. of journals in the cat.: 71

7 Ana Micaela Martins Sequeira; Graeme Clive Hays; David W. Sims; Víctor M. Eguíluz; Jorge P. Rodríguez; Michelle R. Heupel; Rob Harcourt; Hannah Calich; Nuno Queiroz; Daniel Paul Costa; Juan Fernández-Gracia; Luciana C. Ferreira; Simon David Goldsworthy; Mark A. Hindell; Mary-Anne Lea; Mark G. Meekan; Anthony M. Pagano; Scott A. Shaffer; Julia Reisser; Michele Thums; Michael Weise; Carlos M. Duarte. Overhauling Ocean



CURRÍCULUM VITAE NORMALIZADO

25b4a47428ad88bcb83b417abd5a7011

Spatial Planning to Improve Marine Megafauna Conservation. *Frontiers in Marine Science*. 6 - November, pp. 1 - 12. 01/09/2019.

DOI: <https://doi.org/10.3389/fmars.2019.00639>

Type of production: Scientific paper Format: Journal

Position of signature: 11

Total no. authors: 22

Impact source: ISI Category: MARINE & FRESHWATER BIOLOGY -- SCIE

Impact index in year of publication: 3.661 Journal in the top 25%: Yes

Position of publication: 7 No. of journals in the cat.: 106

8 Juan Fernández-Gracia; Jukka Pekka Onnela. Flexible model of network embedding. *Scientific Reports*. 9 - 1, pp. 1 - 7. 12/08/2019.

DOI: <https://doi.org/10.1038/s41598-019-48217-x>

Type of production: Scientific paper Format: Journal

Position of signature: 1

Total no. authors: 2 Corresponding author: Yes

Impact source: ISI Category: MULTIDISCIPLINARY SCIENCES -- SCIE Impact index in year of publication:

3.998 Journal in the top 25%: Yes

Position of publication: 17 No. of journals in the cat.: 71

9 Rob Harcourt; Ana M. M. Sequeira; Xuelei Zhang; Fabien Roquet; Kosei Komatsu; Michelle Heupel; Clive McMahon; Fred Whoriskey; Mark Meekan; Gemma Carroll; Stephanie Brodie; Colin Simpfendorfer; Mark Hindell; Ian Jonsen; Daniel P. Costa; Barbara Block; Mônica Muelbert; Bill Woodward; Mike Weise; Kim Aarestrup; Martin Biuw; Lars Boehme; Steven J. Bograd; Dorian Cazau; Jean-Benoit Charrassin; Steven J. Cooke; Paul Cowley; P. J. Nico de Bruyn; Tiphaine Jeanniard du Dot; Carlos Duarte; Víctor M. Eguíluz; Luciana C. Ferreira; Juan Fernández-Gracia; Kimberly Goetz; Yusuke Goto; Christophe Guinet; Mike Hammill; Graeme C. Hays; Elliott L. Hazen; Luis A. Hückstädt; Charlie Huvneers; Sara Iverson; Saifullah Arifin Jaaman; Kongkiat Kittiwattanawong; Kit M. Kovacs; Christian Lydersen; Tim Moltmann; Masaru Naruoka; Lachlan Phillips; Baptiste Picard; Nuno Queiroz; Gilles Reverdin; Katsufumi Sato; David W. Sims; Eva B. Thorstad; Michele Thums; Anne M. Treasure; Andrew W. Trites; Guy D. Williams; Yoshinari Yonehara; Mike A. Fedak. Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. *Frontiers in Marine Science*. 6, pp. 326 - 326. 26/06/2019. Available on-line at: <<https://www.frontiersin.org/article/10.3389/fmars.2019.00326>>.

DOI: <https://doi.org/10.3389/fmars.2019.00326>

Type of production: Scientific paper Format: Journal

Position of signature: 33

Total no. authors: 61 Corresponding author: No

Impact source: ISI Category: MARINE & FRESHWATER BIOLOGY -- SCIE

Impact index in year of publication: 3.661 Journal in the top 25%: Yes

Position of publication: 7 No. of journals in the cat.: 106

10 Ana M.M. Sequeira; Michelle R. Heupel; Mary-Anne Lea; Víctor M. Eguíluz; Carlos M Duarte; Mark G. Meekan; H J Calich; Ruth H. Carmichael; Dan P. Costa; Luciana C Ferreira; Juan Fernández Gracia; Robert Harcourt; A-L Harrison; Ian Jonsen; Clive R McMahon; David W Sims; RP Wilson; Graeme C Hays. The importance of sample size in marine megafauna tagging studies. *Ecological Applications*. Ecological society of America, 10/06/2019.

DOI: <https://doi.org/10.1002/eap.1947>

Type of production: Scientific paper Format: Journal

Position of signature: 11

Total no. authors: 18 Corresponding author: No

Impact source: ISI Category: ECOLOGY -- SCIE



Impact index in year of publication: 4.248 Journal in the top 25%: Yes

Position of publication: 28 No. of journals in the cat.: 168

- 11 Somaye Sheykhal; Juan Fernández Gracia; Traveset, Anna; Víctor M. Eguíluz. Extinction-induced community reorganization in bipartite networks. *Applied Network Science*. 4 - 1, pp. 23 - 23. 21/05/2019. Available on-line at: <<https://doi.org/10.1007/s41109-019-0131-6>>. ISSN 2364-8228
 Type of production: Scientific paper Format: Journal
 Position of signature: 2
 Total no. authors: 4 Corresponding author: No
- 12 Paula Tuzón; Juan Fernández Gracia; Víctor M. Eguíluz. From continuous to discontinuous transitions in social diffusion. *Frontiers in Physics*. 6, pp. 21. *Frontiers*, 07/03/2018.
 DOI: <https://doi.org/10.3389/fphy.2018.00021>
 Type of production: Scientific paper Format: Journal
 Position of signature: 2
 Total no. authors: 3 Corresponding author: No
 Impact source: ISI Category: PHYSICS, MULTIDISCIPLINARY -- SCIE Impact index in year of publication: 1.895 Journal in the top 25%: No
 Position of publication: 36 No. of journals in the cat.: 81
- 13 Ana M.M. Sequeira; Jorge P. Rodríguez; Víctor M. Eguíluz; Robert Harcourt; Mark Hindell; David W. Sims; Carlos M. Duarte; Daniel P. Costa; Juan Fernández Gracia; Luciana C. Ferreira; Graeme C. Hays; Michelle R. Heupel; Mark G. Meekan; Allen Aven; Fred Baileul; Alastair M.M. Baylis; Michael L. Berumen; Camrin D. Braun; Jennifer Burns; M. Julian Caley; Richard Campbell; Ruth H. Carmichael; Eric Clua; Luke D. Einoder; Ari Friedlaender; Mike E. Goebel; Simon D. Goldsworthy; Christophe Guinet; John Gunn; Derek Hamer; Neil Hammerschlag; M Hammill; Luis A. Hückstädt; Nicolas E. Humphries; M-A Lea; Andrew Lowther; Alice Mackay; Elizabeth McHuron; Jane McKenzie; Lachlan McLeay; Clive R. McMahon; Kerrie Mengersen; MMC Muelbert; Anthony M. Pagano; Bradley Page; Nuno Queiróz; Patrick W. Robinson; Scott A. Shaffer; Mahmood Shivji; Gregory B. Skomal; Simon R. Thorrold; Stella Villegas-Amtmann; Michael Weise; R Wells; B Wetherbee; Annalise Wiebkin; Barbara Wienecke; Michele Thums. Convergence of marine megafauna movement patterns in coastal and open oceans. *Proceedings of the National Academy of Sciences*. 115 - 12, pp. 3072 - 3077. *National Academy of Sciences*, 21/02/2018. DOI: 10.1073/pnas.1716137115
 Type of production: Scientific paper
 Position of signature: 9
 Total no. authors: 58 Corresponding author: No
 Impact source: ISI Category: MULTIDISCIPLINARY SCIENCES -- SCIE Impact index in year of publication: 9.58 Journal in the top 25%: Yes
 Position of publication: 7 No. of journals in the cat.: 69
- 14 Michele Thums; Juan Fernández Gracia; Ana M.M. Sequeira; Víctor M. Eguíluz; Carlos M. Duarte; Mark M. Meekan. How Big Data Fast Tracked Human Mobility Research and the Lessons for Animal Movement Ecology. *Frontiers in Marine Science*. 5, pp. 21. *Frontiers*, 13/02/2018.
 DOI: <https://doi.org/10.3389/fmars.2018.00021>
 Type of production: Scientific paper Format: Journal
 Position of signature: 2
 Total no. authors: 6 Corresponding author: No
 Impact source: ISI Category: MARINE & FRESHWATER BIOLOGY -- SCIE
 Impact index in year of publication: 3.086 Journal in the top 25%: Yes
 Position of publication: 13 No. of journals in the cat.: 108



25b4a47428ad88bcb83b417abd5a7011

- 15 Juan Fernández Gracia; Lucas Lacasa. Bipartisanship Breakdown, Functional Networks, and Forensic Analysis in Spanish 2015 and 2016 National Elections. *Complexity*. 2018, pp. 9684749. 24/01/2018.
DOI: <https://doi.org/10.1155/2018/9684749>
Type of production: Scientific paper Format: Journal
Position of signature: 1
Total no. authors: 2 Corresponding author: No
Impact source: ISI Category: MATHEMATICS, INTERDISCIPLINARY APPLICATIONS -- SCIE
Impact index in year of publication: 2.591 Journal in the top 25%: Yes
Position of publication: 21 No. of journals in the cat.: 105
- 16 Oriol Artime; Juan Fernández-Gracia; José J. Ramasco; Maxi San Miguel. Joint effect of ageing and multilayer structure prevents ordering in the voter model. 917079 - *Scientific Reports*. 7, pp. 7166. (United Kingdom): Nature Publishing Group, 02/08/2017. Available on-line at: <https://www.nature.com/articles/s41598-017-07031-z>. ISSN 2045-2322
Type of production: Scientific paper Format: Journal
Position of signature: 2
Total no. authors: 4 Corresponding author: No
Impact source: ISI Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 4,122 Journal in the top 25%: Yes
Position of publication: 12 No. of journals in the cat.: 64
- 17 J. Fernández-Gracia; J.-P. Onnela; M.L. Barnett; V.M. Eguíluz; N.A. Christakis. Influence of a patient transfer network of US inpatient facilities on the incidence of nosocomial infections. 917079 - *Scientific Reports*. 7, pp. 2930. (United Kingdom): Nature Publishing Group, 07/06/2017. Available on-line at: <https://www.nature.com/articles/s41598-017-02245-7>. ISSN 2045-2322
DOI: <https://doi.org/10.1038/s41598-017-02245-7>
Type of production: Scientific paper Format: Journal
Position of signature: 1
Total no. authors: 5 Corresponding author: Yes
Impact source: ISI Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 4,122 Journal in the top 25%: Yes
Position of publication: 12 No. of journals in the cat.: 64
- 18 Jorge P. Rodríguez; Juan Fernández-Gracia; Michele Thums; Mark A. Hindell; Ana M. M. Sequeira; Mark G. Meekan; Daniel P. Costa; Christophe Guinet; Robert G. Harcourt; Clive R. McMahon; Monica Muelbert; Carlos M. Duarte; Víctor M. Eguíluz. Big data analyses reveal patterns and drivers of the movements of southern elephant seals. 917079 - *Scientific Reports*. 7, pp. 112. (United Kingdom): Nature Publishing Group, 08/03/2017. Available on-line at: <http://www.nature.com/articles/s41598-017-00165-0>. ISSN 2045-2322
DOI: <https://doi.org/10.1038/s41598-017-00165-0>
Type of production: Scientific paper Format: Journal
Position of signature: 2
Total no. authors: 13 Corresponding author: No
Impact source: ISI Category: Science Edition - MULTIDISCIPLINARY SCIENCES
Impact index in year of publication: 4,122 Journal in the top 25%: Yes
Position of publication: 12 No. of journals in the cat.: 64



25b4a47428ad88bcb83b417abd5a7011

- 19 VM Eguíluz; J Fernández-Gracia; X Irigoien; CM Duarte. A quantitative assessment of Arctic shipping in 2010-2014. 917079 - Scientific Reports. 6, pp. 30682. (United Kingdom): Nature Publishing Group, 01/08/2016. Available on-line at: <<http://www.nature.com/articles/srep30682>>. ISSN 2045-2322 DOI: <https://doi.org/10.1038/srep30682>
 Type of production: Scientific paper Format: Journal
 Position of signature: 2
 Total no. authors: 4 Corresponding author: No
 Impact source: ISI Category: MULTIDISCIPLINARY SCIENCES Impact index in year of publication: 4.259 Journal in the top 25%: Yes
 Position of publication: 10 No. of journals in the cat.: 64
- 20 Eguíluz V. M.; Masuda N.; Fernández-Gracia J.. Bayesian decision making in human collectives with binary choices. 915133 - Plos One. 10 - 4, (United States of America): Public Library of Science, 13/04/2015. Available on-line at: <<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0121332>>. ISSN 1932-6203 DOI: <https://doi.org/10.1371/journal.pone.0121332>
 Type of production: Scientific paper Format: Journal
 Position of signature: 3
 Total no. authors: 3 Corresponding author: No
 Impact source: ISI Category: MULTIDISCIPLINARY SCIENCES Impact index in year of publication: 3.057 Journal in the top 25%: Yes
 Position of publication: 11 No. of journals in the cat.: 63
- 21 Fernández-Gracia, J.; Suchecki, K.; Ramasco, J.J.; San Miguel, M.; Martínez, V.. Is the Voter Model a Model for Voters?. 903244 - Physical Review Letters. 112, pp. 158701. (United States of America): 18/04/2014. Available on-line at: <<http://journals.aps.org/prl/abstract/10.1103/PhysRevLett.112.158701>>. ISSN 0031-9007 DOI: <https://doi.org/10.1103/PhysRevLett.112.158701>
 Type of production: Scientific paper Format: Journal
 Position of signature: 1
 Total no. authors: 5 Corresponding author: Yes
 Impact source: ISI Category: PHYSICS, MULTIDISCIPLINARY Impact index in year of publication: 7.512 Journal in the top 25%: Yes
 Position of publication: 6 No. of journals in the cat.: 78
- 22 Fernández-Gracia, J.; Castelló, X.; Eguíluz, V.M.; San Miguel, M.. Dynamics of link states in complex networks: The case of a majority rule. 908787 - Physical Review E. 86, (United States of America): American Physical Society, 17/12/2012. Available on-line at: <<http://link.aps.org/doi/10.1103/PhysRevE.86.066113>>. ISSN 1539-3755 DOI: <https://doi.org/10.1103/PhysRevE.86.066113>
 Type of production: Scientific paper Format: Journal
 Position of signature: 1
 Total no. authors: 4 Corresponding author: Yes
 Impact source: ISI Category: PHYSICS, FLUIDS & PLASMAS Impact index in year of publication: 2.313 Journal in the top 25%: No
 Position of publication: 10 No. of journals in the cat.: 31
 Impact source: ISI Category: PHYSICS, MATHEMATICAL Impact index in year of publication: 2.313 Journal in the top 25%: Yes
 Position of publication: 6 No. of journals in the cat.: 55



25b4a47428ad88bcb83b417abd5a7011

- 23 Fernández-Gracia, Juan; M. Eguíluz, Víctor; San Miguel, Maxi. Update rules and interevent time distributions: slow ordering versus no ordering in the voter model. 908787 - Physical Review E. 84, pp. 015103. (United States of America): American Physical Society, 18/07/2011. Available on-line at: <Paper at PRE>. ISSN 1539-3755 DOI: <https://doi.org/10.1103/PhysRevE.84.015103>
 Type of production: Scientific paper Format: Journal
 Position of signature: 1
 Total no. authors: 3 Corresponding author: Yes
 Impact source: ISI Category: PHYSICS, FLUIDS & PLASMAS Impact index in year of publication: 2.26 Journal in the top 25%: No
 Position of publication: 10 No. of journals in the cat.: 31
 Impact source: ISI Category: PHYSICS, MATHEMATICAL Impact index in year of publication: 2.26 Journal in the top 25%: Yes
 Position of publication: 6 No. of journals in the cat.: 55
- 24 Juan Fernández Gracia; Bartomeu Fiol. No-hair theorems for black holes in the Abelian Higgs model. Journal of High Energy Physics. 2009 - 11, pp. 054. 11/09/2009.
 Type of production: Scientific paper Format: Journal
 Position of signature: 1
 Total no. authors: 2 Corresponding author: No
- 25 Juan Fernández Gracia; Jukka-Pekka Onnela; Michael L Barnett; Víctor M Eguíluz; Nicholas A Christakis. Spread of Pathogens in the Patient Transfer Network of US Hospitals. Social, Cultural, and Behavioral Modeling. SBP-BRIMS 2017. Lecture Notes in Computer Science. 10354, pp. 271 - 280. Springer, Cham, 15/06/2017. ISBN 978-3-319-60240-0
 Type of production: Book chapter Format: Book
 Position of signature: 1
 Total no. authors: 5 Corresponding author: Yes
- 26 Toni Pérez; Juan Fernández Gracia; José J Ramasco; Víctor M Eguíluz. Persistence in Voting Behavior: Stronghold Dynamics in Elections. Social, Cultural, and Behavioral Modeling. SBP-BRIMS 2015. Lecture Notes in Computer Science. 9021, pp. 173 - 181. Springer, Cham, 17/03/2015. ISBN 978-3-319-16268-3 Type of production: Book chapter Format: Book
 Position of signature: 2
 Total no. authors: 4 Corresponding author: No
- 27 Fernández-Gracia, J.; Eguíluz, V.M.; San Miguel, M.. Timing Interactions in Social Simulations: The Voter Model. Temporal Networks, Series: Understanding Complex Systems VIII, Holme, P.; Saramäki, J. (Eds.). pp. 331 - 352. (Germany): Springer-Verlag, 15/04/2013. Available on-line at: <<http://www.springer.com/physics/complexity/book/978-3-642-36460-0>>. ISBN 978-3-642-36460-0
 Type of production: Book chapter Format: Book
 Position of signature: 1
 Total no. authors: 3 Corresponding author: Yes
- 28 Lucas Lacasa; Juan Fernández Gracia. Election forensics: Quantitative methods for electoral fraud detection. Forensic science international. 294, pp. e19 - e22. Elsevier, 22/11/2018.
 DOI: <https://doi.org/10.1016/j.forsciint.2018.11.010>
 Type of production: Review Format: Journal
 Position of signature: 2

Total no. authors: 2 Corresponding author: No

Impact source: ISI Category: MEDICINE, LEGAL -- SCIE Impact index in year of publication:

1.99 Journal in the top 25%: No

18



25b4a47428ad88bcb83b417abd5a7011

Position of publication: 5 No. of journals in the cat.: 17

29 Mark G. Meekan; Carlos M. Duarte; Juan Fernández-Gracia; Michele Thums; Ana M.M. Sequeira; Rob Harcourt; Víctor M. Eguíluz. The ecology of human mobility. 904565 - Trends in Ecology & Evolution. 32, pp. 198 - 210.

(United Kingdom): 01/03/2017. Available on-line at: <http://Online publication>. ISSN 0169-5347 DOI: <https://doi.org/10.1016/j.tree.2016.12.006>

Type of production: Review Format: Journal

Position of signature: 3

Total no. authors: 7 Corresponding author: No

Impact source: ISI Category: Science Edition - ECOLOGY Impact index in year of publication:

15,938 Journal in the top 25%: Yes

Position of publication: 1 No. of journals in the cat.: 158

Works submitted to national or international conferences

1 Title of the work: Dynamical models from microbial communities abundance data

Name of the conference: COMPLEX NETWORKS 2021 The 10th International Conference on Complex Networks and their Applications

Type of event: Conference

City of event: Madrid, Community of Madrid, Spain

Date of event: 30/11/2021

End date: 02/12/2021

2 Title of the work: Inferring leader-follower behavior from presence data

Name of the conference: ECONET 2021 V Symposium on Ecological Networks

Type of event: Conference

Corresponding author: Yes

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of event: 10/11/2021

End date: 12/11/2021

Organising entity: Universidad de las Islas Baleares Type of entity: University

City organizing entity: Palma de Mallorca, Spain

Fernández Gracia; Rodríguez; Eguíluz.

3 Title of the work: Ocean microbiome ecological dynamics model from longitudinal abundance data

Name of the conference: ECONET 2021 V Symposium on Ecological Networks

Type of event: Conference

Corresponding author: Yes

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of event: 10/11/2021

End date: 12/11/2021

Organising entity: Universidad de las Islas Baleares Type of entity: University

City organizing entity: Palma de Mallorca, Spain

Sheykhali; Fernández Gracia; Irigoien; Duarte; Eguíluz.

4 Title of the work: OTU ecological dynamics models from longitudinal abundance data
Name of the conference: Networks 2021: a Joint Sunbelt and Netsci Conference
Type of event: Conference
Corresponding author: Yes

19



25b4a47428ad88bcb83b417abd5a7011

City of event: Virtual,
Date of event: 05/07/2021
End date: 10/07/2021
Organising entity: INSNA and NSS
Sheykhali; Fernández Gracia; Duarte; M Eguíluz.

5 Title of the work: The global network of ports supporting high seas fishing
Name of the conference: Networks 2021: a Joint Sunbelt and Netsci Conference
Type of event: Conference
Corresponding author: Yes
City of event: Virtual,
Date of event: 05/07/2021
End date: 10/07/2021
Organising entity: INSNA and NSS
Rodríguez; Fernández Gracia; Irigoien; Duarte; M Eguíluz.

6 Title of the work: Inferring social relations from presence data. Manta Rays case study.
Name of the conference: Costnet'19
Type of event: Conference
Corresponding author: Yes
City of event: Bilbao, Basque Country, Spain
Date of event: 09/10/2019
End date: 11/10/2019
Organising entity: Hospital de Cruces Type of entity: Healthcare Institutions City organizing
entity: Bilbao, Basque Country, Spain
Juan Fernández Gracia; Jorge Pablo Rodríguez; Lauren Peel; Mark M. Meekan; Víctor M. Eguíluz.
"Inferring social relations from presence data. Manta Rays case study."

7 Title of the work: Inferring social relations from presence data. Manta Rays case study. Name of
the conference: Netsci 2019 International school and conference on network science Type of
event: Conference
Corresponding author: Yes
City of event: Burlington, United States of America
Date of event: 27/05/2019
End date: 31/05/2019
Organising entity: Vermont University Type of entity: University
City organizing entity: Burlington, United States of America
Juan Fernández Gracia; Jorge Pablo Rodríguez; Lauren Peel; Mark M. Meekan; Víctor M. Eguíluz.
"Inferring social relations from presence data. Manta Rays case study."

8 Title of the work: A flexible model of network embedding
Name of the conference: Netsci 2019 International school and conference on network science
Corresponding author: Yes
City of event: Burlington, United States of America

Date of event: 27/05/2019

End date: 31/05/2019

Organising entity: Vermont university Type of entity: University

City organizing entity: Burlington, United States of America

Juan Fernández Gracia; Jukka-Pekka Onnela. "A flexible model of network embedding".

20



25b4a47428ad88bcb83b417abd5a7011

9 Title of the work: Cooccurrence plasticity increases modularity and stability in bipartite networks.

Name of the conference: Netsci 2019 International school and conference on network science

Corresponding author: Yes

City of event: Burlington, United States of America

Date of event: 27/05/2019

End date: 31/05/2019

Organising entity: Vermont university Type of entity: University

City organizing entity: Burlington, United States of America

Somaye Sheykhali; Juan Fernández Gracia; Víctor M. Eguíluz. "Cooccurrence plasticity increases modularity and stability in bipartite networks."

10 Title of the work: Inferring social relations from presence data. Manta Rays case study.

Name of the conference: COMPLENET 2019

Corresponding author: Yes

City of event: Tarragona, Catalonia, Spain

Date of event: 18/03/2019

End date: 21/03/2019

Organising entity: Universitat Rovira i Virgili Type of entity: University

City organizing entity: Tarragona, Catalonia, Spain

Juan Fernández Gracia; Jorge Pablo Rodríguez; Lauren Peel; Mark M. Meekan; Víctor M. Eguíluz. "Inferring social relations from presence data. Manta Rays case study."

11 Title of the work: Cooccurrence plasticity increases modularity and stability in bipartite networks.

Name of the conference: COMPLENET 2019

Corresponding author: Yes

City of event: Tarragona, Catalonia, Spain

Date of event: 11/12/2018

End date: 13/12/2018

Organising entity: Universitat Rovira i Virgili Type of entity: University

City organizing entity: Tarragona, Catalonia, Spain

Somaye Sheykhali; Juan Fernández Gracia; Víctor M. Eguíluz. "Cooccurrence plasticity increases modularity and stability in bipartite networks."

12 Title of the work: Cooccurrence plasticity increases modularity and stability in bipartite networks. Name of the conference: COMPLEX NETWORKS 2018 The 7th International Conference on Complex Networks and Their Applications

Corresponding author: Yes

City of event: Cambridge, East Anglia, United Kingdom

Date of event: 11/12/2018

End date: 13/12/2018

Organising entity: Cambridge University

City organizing entity: Cambridge, East Anglia, United Kingdom

Somaye Sheykhali; Juan Fernández Gracia; Víctor M. Eguíluz. "Cooccurrence plasticity increases

modularity and stability in bipartite networks.".

- 13 Title of the work: Inferring social relations from presence data. Manta Rays case study. Name of the conference: COMPLEX NETWORKS 2018 The 7th International Conference on Complex Networks and Their Applications
Corresponding author: Yes
City of event: Cambridge, East Anglia, United Kingdom
Date of event: 11/12/2018

21



25b4a47428ad88bcb83b417abd5a7011

End date: 13/12/2018
Organising entity: Cambridge University
City organizing entity: Cambridge, East Anglia, United Kingdom
Juan Fernández Gracia; Jorge Pablo Rodríguez; Lauren Peel; Mark M. Meekan; Víctor M. Eguíluz.
"Inferring social relations from presence data. Manta Rays case study.".

- 14 Title of the work: Inferring social relations from presence data. Manta Rays case study. Name of the conference: PHYSICS AND ECOLOGY: Challenges at the frontier. XXXIV Scientific meetings in the Mediterranean. -Josep Miquel Vidal- Menorca,
Corresponding author: Yes
City of event: Mahón, Balearic Islands, Spain
Date of event: 09/10/2018
End date: 11/10/2018
Organising entity: Sociedad Catalana de Física Type of entity: Associations and Groups City organizing entity: Barcelona, Catalonia, Spain
Juan Fernández Gracia; Jorge Pablo Rodríguez; Lauren Peel; Mark M. Meekan; Víctor M. Eguíluz.
"Inferring social relations from presence data. Manta Rays case study.".

- 15 Title of the work: From continuous to discontinuous transitions in social contagion Name of the conference: NetSci2018: International School and Conference on Network Science City of event: París, Île de France, France
Date of event: 13/06/2018
End date: 15/06/2018
Organising entity: NetSci Type of entity: Associations and Groups

- 16 Title of the work: Gromov-Wasserstein distance of complex networks
Name of the conference: Costnet17
Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 2017
End date: 2017
Fernández-Gracia, J.; Vicente, D.; Eguíluz, V.M.

- 17 Title of the work: Influence of a Patient Transfer Network of US Inpatient Facilities on the Incidence of Nosocomial Infections
Name of the conference: Crossroads in Complex Systems
Type of event: Conference Geographical area: International Type of participation: Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2017
End date: 2017

- 18 Title of the work: Using Gromov-Wasserstein distances to compute how far are two graphs Name of the conference: Macfang. Mapping Complexity Foundations and Applications of Network Geometry Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication City of event: Barcelona, Spain Date of event: 2017

22



25b4a47428ad88bcb83b417abd5a7011

End date: 2017
Fernández-Gracia, J.; Vicente, D.; Eguíluz, V.M.

- 19 Title of the work: Flexible embedding of networks Name of the conference: APS March Meeting 2016 Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication City of event: Baltimore, MD, United States of America Date of event: 2016 End date: 2016 Fernández-Gracia,J.; Onnela,J.P.

- 20 Title of the work: Flexible embedding of networks Name of the conference: Complex Networks, from theory to interdisciplinary applications Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication City of event: Marseille, France Date of event: 2016 End date: 2016 Fernández-Gracia,J.; Onnela,J.P.

- 21 Title of the work: Persistence in Voting Behavior: Stronghold Dynamics in Elections Name of the conference: CompleNet 2015 - 6th Workshop on Complex Networks Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication City of event: New York, United States of America Date of event: 2015 End date: 2015 Pérez,T.; Fernández-Gracia,J.; Ramasco,J.J.; Eguíluz,V.M.

- 22 Title of the work: Persistence in Voting Behavior: Stronghold Dynamics in Elections Name of the conference: 2015 International Social Computing, Behavioral-Cultural Modeling and Prediction Conference (SBP15) Type of event: Conference Geographical area: International Type of participation: Participatory - poster City of event: Washington DC, United States of America Date of event: 2015 End date: 2015 Pérez,T.; Fernández-Gracia,J.; Ramasco,J.J.; Eguíluz,V.M.

- 23 Title of the work: Spreading of antibiotic-resistant infections in the hospital transfer network Name

of the conference: NetSci 2015 International school and conference on network science Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Zaragoza, Spain

Date of event: 2015

End date: 2015

Fernández-Gracia,J; Onnela,J.P.; Barnett,M.L.; Eguíluz,V.M.; Christakis,N.A.

23



25b4a47428ad88bcb83b417abd5a7011

24 Name of the conference: 5th Bio-logging science symposium

Type of event: Conference Geographical area: International Type of participation: Participatory - others

City of event: Estrasburg, France

Date of event: 2014

End date: 2014

Juan Fernandez Gracia.

25 Name of the conference: Connected Insight Summit

Type of event: Conference Geographical area: International Type of participation: Participatory - others

City of event: Cambridge, MA, United States of America

Date of event: 2014

End date: 2014

Fernández-Gracia,J.

26 Title of the work: Recurrent Mobility Networks and Imperfect Imitation Shape Voting Behavior

Name of the conference: Network Frontier workshop

Type of event: Conference Geographical area: International Type of participation: Participatory - poster

City of event: Evanston, Il, United States of America

Date of event: 2014

End date: 2014

Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

27 Title of the work: Agent based model for voting behavior incorporating spatial and demographic heterogeneities

Name of the conference: 18th Annual Workshop on the Economic Science with Heterogeneous Interacting Agents (WEHIA)

Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Reykjavic, Iceland

Date of event: 2013

End date: 2013

Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

28 Title of the work: Modeling spatial patterns in voting behavior

Name of the conference: DPG spring meeting

Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Regensburg, Germany

Date of event: 2013

End date: 2013

Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

- 29 Title of the work: Opinion diffusion on a network of commuting agents: confrontation with election data
Name of the conference: XXXIII Sunbelt Social Networks Conference of the International Network for Social Network Analysis (INSNA)
Type of event: Conference Geographical area: International Type of participation:
Participatory - oral communication
City of event: Hamburg, Germany

24



25b4a47428ad88bcb83b417abd5a7011

Date of event: 2013

End date: 2013

Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

- 30 Title of the work: Recurrent mobility networks and imperfect imitation shape voting behavior
Name of the conference: Netsci 2013
Type of event: Conference Geographical area: International Type of participation:
Participatory - oral communication
City of event: Copenhagen, Denmark
Date of event: 2013
End date: 2013
Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

- 31 Name of the conference: IV econophysics workshop of the spanish econophysics society
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Zaragoza, Spain
Date of event: 2012
End date: 2012
Fernández-Gracia, J.

- 32 Title of the work: Link dynamics: the case of a majority rule
Name of the conference: DPG spring meeting
Type of event: Conference Geographical area: International Type of participation:
'Participatory - poster
City of event: Germany
Date of event: 2012
End date: 2012
Fernández-Gracia, J.; Eguíluz, V.M.; San Miguel, M.

- 33 Title of the work: Link-based social dynamics in complex networks: time evolution and heterogeneous asymptotic states
Name of the conference: XVIII Congreso de Física Estadística
Type of event: Conference Geographical area: International Type of participation:
'Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2012
End date: 2012

34 Title of the work: Opinion diffusion shaped by human mobility

Name of the conference: 18th International conference on Computing in Economics and Finance

Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Prague, Czech Republic

Date of event: 2012

End date: 2012

Fernández Gracia,J.; Eguíluz,V.M.; San Miguel,M.

25



25b4a47428ad88bcb83b417abd5a7011

35 Title of the work: Opinion diffusion on commuting populations

Name of the conference: DPG spring meeting

Type of event: Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Germany

Date of event: 2012

End date: 2012

Fernández-Gracia, J.; Suchecki, K; Ramasco, J. J.; San Miguel, M.; Eguíluz, V.M.

36 Title of the work: Implementing human activity patterns in social simulations Name of the

conference: International conference on complex systems 2011 (ICCS 2011) Type of event:

Conference Geographical area: International Type of participation: Participatory - oral communication

City of event: Boston, United States of America

Date of event: 2011

End date: 2011

Fernández-Gracia, Juan; M. Eguíluz, Víctor; San Miguel, Maxi.

37 Title of the work: Interevent times and the voter model.

Name of the conference: FisEs2011, XVII Congreso de Fisica Estadística (Barcelona)

Type of event: Conference Geographical area: International Type of participation:

'Participatory - poster

City of event: Spain

Date of event: 2011

End date: 2011

Fernández-Gracia, Juan; M. Eguíluz, Víctor; San Miguel, Maxi.

38 Name of the conference: BIFI (Zaragoza)

Type of event: Conference Geographical area: International Type of participation:

Participatory - others

City of event: Zaragoza, Spain

Date of event: 2010

End date: 2010

Juan Fernández Gracia.

39 Name of the conference: DPG spring meeting

Type of event: Conference Geographical area: International Type of participation:
Participatory - others
City of event: Regensburg, Germany
Date of event: 2010
End date: 2010
Fernández Gracia, J.

40 Name of the conference: IARS TSCS'10 - Turunc Summer School on Complex Systems 2010, ITAP, (Turunc, Marmaris, Turkey).

Type of event: Conference Geographical area: International Type of participation:
Participatory - others
City of event: Turkey
Date of event: 2010
End date: 2010
Fernández-Gracia, Juan.

26



25b4a47428ad88bcb83b417abd5a7011

41 Title of the work: Update rules and interevent time distributions: Slow ordering vs. no ordering in the Voter Model.

Name of the conference: TWCS'2010 - Turunc Workshop on Complex Systems 2010, ITAP (Turunc, Marmaris, Turkey).

Type of event: Conference Geographical area: International Type of participation:
Participatory - oral communication
City of event: Turunc, Turkey
Date of event: 2010
End date: 2010
Fernández Gracia, Juan; M. Eguíluz, Víctor; San Miguel, Maxi.

42 Title of the work: Update rules in agent based models

Name of the conference: International Workshop on Living Organisms in Flows: From Small-scale Turbulence to Geophysical Flows (Orflow10)

Type of event: Conference Geographical area: International Type of participation:
'Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 2010
End date: 2010
Fernández-Gracia, Juan; M. Eguíluz, Víctor; San Miguel, Maxi.

43 Title of the work: Updating rules in social simulations

Name of the conference: ROBUST: Conference on Emergence and Design of Robustness: General Principles and Applications to Biological, Social and Industrial Networks

Type of event: Conference Geographical area: International Type of participation:
'Participatory - poster
City of event: Spain
Date of event: 2010
End date: 2010
Fernández-Gracia, J.; Eguíluz V.M.; San Miguel M.

44 Name of the conference: 150 Years after Darwin: From Molecular Evolution to Language (Palma de Mallorca)

Type of event: Conference Geographical area: International Type of participation:

Organizing committee

City of event: Palma de Mallorca, Spain

Date of event: 2009

End date: 2009

Castello, Xavi; Hernandez-Garcia, Emilio; Herrada, E. Alejandro; Lopez, Cristobal; Patriarca, Marco; San Miguel, Maxi; Tugrul, Murat; Vaz Martins, Teresa; Fernandez Gracia, Juan; Vazquez, Federico.

45 Name of the conference: A Topological Approach To Cultural Dynamics. (Barcelona) Type

of event: Conference Geographical area: International Type of participation:

Participatory - others

City of event: Barcelona, Spain

Date of event: 2009

End date: 2009

Juan Fernández Gracia.

27



25b4a47428ad88bcb83b417abd5a7011

Other dissemination activities

1 Title of the work: Quo Vadis? Modelos de movilidad humana

Name of the event: Pint of Science

Type of event: Conferences given

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of event: 15/05/2018

Organising entity: Pint of Science Palma de Mallorca

City organizing entity: Palma de Mallorca, Balearic Islands, Spain

2 Title of the work: Representative of the IFISC at the science fair of the Balearic Islands in Ibiza (IFISC and complex systems).

Name of the event: Science Fair of the Balearic Islands

Type of event: Fairs and exhibitions

City of event: Ibiza, Balearic Islands, Spain

Date of event: 07/04/2011

Organising entity: Govern de les Illes Balears Type of entity: State agency

3 Title of the work: SCIT10 Week of science 2010. IFISC goes to Menorca with an exhibition called 'IFISC and complex systems' and another one called '50 years of the laser' (Mahón, Menorca). Name of the event: IFISC and complex systems' and another one called '50 years of the laser' Type of event: Fairs and exhibitions

City of event: Mahón, Balearic Islands, Spain

Date of event: 11/11/2010

Organising entity: IFISC Type of entity: University Research Institute

4 Title of the work: Representative of the IFISC-OSA Solar Car Race in Palma de Mallorca for the World Environmental Day

Name of the event: World Environmental day Solar Car Race

Type of event: Fairs and exhibitions

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of event: 05/06/2010

5 Title of the work: Representative of IFISC at the Balearic Islands Science Fair

Name of the event: Fira de la Ciència de les Illes Balears

Type of event: Fairs and exhibitions

City of event: Palma de Mallorca, Balearic Islands, Spain

Date of event: 13/05/2010

Organising entity: Govern de les Illes Balears Type of entity: State agency

City organizing entity: Palma de Mallorca, Balearic Islands, Spain

28



25b4a47428ad88bcb83b417abd5a7011

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

1 Committee title: Organising committee ECONET 2021 V Symposium on Ecological Networks 2

Committee title: PC member CCS 2021 Conference on Complex Systems 2021

3 Committee title: PC member CompleNet 2020 (11th International Conference on Complex Networks) 4

Committee title: PC member CompleNet Live 2021 2021 Online Conference on Complex Networks 5

Committee title: PC member ENIC'17 (4th European Network Intelligence Conference 2017) 6 Committee

title: PC member NetSci X 2016 (International School and Conference on Network Science)

7 Committee title: PC member SBP-BRiMS 2019 (2019 International Conference on Social Computing, Behavioral-Cultural Modeling, Prediction and Behavior Representation in Modeling and Simulation)

8 Committee title: PC member SBP-BRiMS 2020 (2020 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction and Behavior Representation in Modeling and Simulation)



Other achievements

Stays in public or private R&D centres

1 Entity: Universitat Oberta de Catalunya Type of entity: University

Faculty, institute or centre: COSIN3

City of entity: Castelldefels, Catalonia, Spain

Start-End date: 07/03/2022 - 04/04/2022 Duration: 1 month

Goals of the stay: Guest

Provable tasks: Study the frontier between ecology and social information systems.

2 Entity: Harvard T.H. Chan School of Public Health

City of entity: Boston, United States of America

Start-End date: 31/05/2019 - 07/06/2019 Duration: 7 days

Goals of the stay: Guest

Provable tasks: Work with Dr. JP Onnela on statistical network theory and with Dr. Caroline O Buckee on network epidemiology.

Science and Technology

3 Entity: King Abdullah University of

Type of entity: University

Faculty, institute or centre: Red Sea Research Center

City of entity: Thuwal, Saudi Arabia

Start-End date: 03/05/2018 - 09/05/2018 Duration: 6 days Goals of the

stay: Guest

Provable tasks: Work on animal movement ecology with Prof. Carlos M. Duarte.

4 Entity: University of Western Australia

City of entity: Perth, Australia

Start-End date: 08/02/2018 - 19/02/2018 Duration: 11 days Goals of the

stay: Guest

Provable tasks: Work on marine animal movement with Dr. Ana M.M. Sequeira.
Science and Technology

5 Entity: King Abdullah University of Science and Technology Type of entity: University

Faculty, institute or centre: Red Sea Research Center

City of entity: Thuwal, Saudi Arabia

Start-End date: 05/05/2017 - 11/05/2017 Duration: 6 days Goals of the stay: Guest

Provable tasks: Work on animal movement ecology with Prof. Carlos M. Duarte.

6 Entity: Telenor Type of entity: Business City of entity: Oslo, Norway

Start-End date: 07/12/2015 - 11/12/2015 Duration: 5 days Goals of the stay: Guest

Provable tasks: Work on digital epidemiology using CDR data.

30



25b4a47428ad88bcb83b417abd5a7011

7 Entity: Harvard University Type of entity: University Faculty, institute or centre:

Harvard School of Public Health

City of entity: Boston, United States of America

Start-End date: 03/05/2011 - 30/07/2011 Duration: 88 days

Goals of the stay: PhD Student

Provable tasks: Develop analysis methods for patient transfers between hospitals and the spread of diseases

Obtained grants and scholarships

1 Name of the grant: Vicenç Mut postdoctoral fellow

Aims: Post-doctoral

Awarding entity: Government of the Balearic Islands

Conferral date: 01/03/2021 Duration: 2 years

End date: 28/02/2023

Entity where activity was carried out: Consejo Superior de Investigaciones Científicas

Faculty, institute or centre: IFISC

2 Name of the grant: UIB postdoctoral fellow

Aims: Post-doctoral

Awarding entity: University of the Balearic Islands

Conferral date: 01/03/2019 Duration: 2 years

End date: 28/02/2021

Entity where activity was carried out: INSTITUTO DE FISICA INTERDISCIPLINAR Y SISTEMAS COMPLEJOS

Faculty, institute or centre: IFISC

3 Name of the grant: FPI

Aims: Pre-doctoral

Awarding entity: Govern de les Illes Balears Type of entity: State agency Conferral

date: 01/10/2009 Duration: 4 years

End date: 01/10/2013

Entity where activity was carried out: Universidad de las Islas Baleares

4 Name of the grant: Collaboration scholarship

Aims: Research assistant during end of the degree

Awarding entity: MEPSYD Type of entity: State agency Conferral date: 01/01/2009

Duration: 6 months

End date: 30/06/2009

Entity where activity was carried out: Universitat de Barcelona

Faculty, institute or centre: Facultat de Física, department of fundamental physics.

31



25b4a47428ad88bcb83b417abd5a7011

Prizes, mentions and distinctions

Description: Best paper award

Awarding entity: SBP-BRIMS Type of entity: University

City awarding entity: Washington DC, United States of America

Conferral date: 15/06/2017

Obtained accreditations/recognitions

Description: Assistant professor

Accrediting entity: AQUIB

City accrediting entity: Palma de Mallorca, Balearic Islands, Spain

Date of recognition: 12/02/2019

Summary of other achievements

1 Description of the achievement: Heavy Equipment: Harvard-MIT computation cluster; Casual user

2 Description of the achievement: Heavy Equipment: Nuredduna: cluster de computació a IFISC; Regular user; 01/10/2009

