



Gabriel Riutort Mayol

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Gabriel Riutort Mayol

Surname(s): **Riutort Mayol**
Name: **Gabriel**
ORCID: **0000-0002-7645-4194**

Current professional situation

Employing entity: UNIVERSITAT POLITÈCNICA DE VALÈNCIA
Type of entity: University
Department: MINISTERIO DE ECONOMIA Y COMPETITIVIDAD, D. Ingeniería Cartográfica, Geodesia y F
Professional category: técnico superior de investigación
Educational Management (Yes/No): No
Email: gabriuma@upv.es
Start date: 01/01/2016
Type of contract: Temporary employment contract
Dedication regime: Full time

Previous positions and activities

	Employing entity	Professional category	Start date
1	Research Center in Business Management	Research assistant	03/03/2014
2	Department of Cartography, Geodesy and Photogrammetry	Research scholarship	07/11/2011
3	OMNIUM STRATEGIC INTELLIGENCE, S.L.	Ingeniero superior en Cartografía	01/06/2009
4	ARCOTEC INGENIEROS, S.L.	Ingeniero técnico en topografía	01/06/2007
5	Constructora Hispánica, S.A	Ingeniero técnico en topografía	01/06/2004
6	Profesional libre	Ingeniero técnico en topografía	01/03/2001

- 1** **Employing entity:** Research Center in Business Management
Professional category: Research assistant
Start date: 03/03/2014
Duration: 1 year - 2 months - 8 days
- 2** **Employing entity:** Department of Cartography, Geodesy and Photogrammetry
Professional category: Research scholarship
Start date: 07/11/2011
Duration: 2 years - 8 days
- 3** **Employing entity:** OMNIUM STRATEGIC INTELLIGENCE, S.L.
Professional category: Ingeniero superior en Cartografía
Start date: 01/06/2009
Duration: 1 year



- 4** **Employing entity:** ARCOTEC INGENIEROS, S.L.
Professional category: Ingeniero técnico en topografía
Start date: 01/06/2007 **Duration:** 1 year - 3 months - 29 days
- 5** **Employing entity:** Constructora Hispánica, S.A
Professional category: Ingeniero técnico en topografía
Start date: 01/06/2004 **Duration:** 1 year - 3 months
- 6** **Employing entity:** Profesional libre
Professional category: Ingeniero técnico en topografía
Start date: 01/03/2001 **Duration:** 3 years - 1 month



Education

University education

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

- 1** **University degree:** Máster en Bioestadística
Name of qualification: Máster en Bioestadística
City degree awarding entity: Valencia, Spain
Degree awarding entity: UNIVERSITAT DE VALENCIA
Type of entity: University
Date of qualification: 01/12/2013
Average mark: Good
- 2** **University degree:** Ingeniería en Geodesia y Cartografía
Name of qualification: Ingeniería en Geodesia y Cartografía
City degree awarding entity: Valencia, Spain
Degree awarding entity: UNIVERSITAT POLITÈCNICA DE VALÈNCIA
Type of entity: University
Date of qualification: 29/11/2012
Average mark: Pass
- 3** **University degree:** Ingeniería Técnica en Topografía
Name of qualification: Ingeniería Técnica en Topografía
City degree awarding entity: Valencia, Spain
Degree awarding entity: UNIVERSITAT POLITÈCNICA DE VALÈNCIA
Type of entity: University
Date of qualification: 11/01/2008
Average mark: Good

Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1** **Type of training:** Course
Training title: Introduction to Phyton
City awarding entity: Spain
Awarding entity: Univesitat Politècnica de València
End date: 22/11/2019
- 2** **Type of training:** Course
Training title: Gaussian process summer school
City awarding entity: United Kingdom
Awarding entity: University of Sheffield
End date: 12/09/2019

**3 Type of training:** Course**Training title:** Introduction to Bayesian statistics summer school**City awarding entity:** Spain**Awarding entity:** Department of Statistics and Operation Research, Universitat de València**End date:** 20/10/2017**4 Type of training:** Course**Training title:** Creating R-packages course**City awarding entity:** Valencia, Spain**Awarding entity:** Universidad de Cartagena**Type of entity:** University**End date:** 05/07/2017**5 Type of training:** Course**Training title:** Hidden markov and related models**City awarding entity:** Spain**Awarding entity:** Department of Statistics and Operation Research, Universitat de València**End date:** 02/12/2016**6 Type of training:** Course**Training title:** Máster en Ingeniería de Análisis de datos, Mejora de Procesos y Toma de Decisiones**City awarding entity:** Valencia, Spain**Awarding entity:** Universitat Politècnica de Valencia**Type of entity:** University**End date:** 01/06/2012**Language skills**

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Spanish					
English	B2	C1	B2	B2	C1
Catalan					

Teaching experience**General teaching experience****1 Type of teaching:** Unofficial teaching**Name of the course:** Spatial data management using R**End date:** 26/01/2017**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 30**Entity:** Universitat de València**2 Type of teaching:** Official teaching**Name of the course:** Geoestadística y análisis multivariante**University degree:** Máster Universitario en Ingeniería Geomática y Geoinformación**Course given:** 2018**Type of hours/ ECTS credits:** Credits**Hours/ECTS credits:** 0,4

Entity: Universitat Politècnica de València

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Análisis geoestadístico de la salinidad del suelo en cultivos de la Albufera de València
Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: , SANTILLANA FERNANDEZ, DANIEL
Obtained qualification: 9.0
Date of reading: 20/09/2019
- 2** **Project title:** DISPERSIÓN URBANA Y SOSTENIBILIDAD AMBIENTAL EN LA COMUNITAT VALENCIANA.
Type of project: End of course project
Entity: Universitat Politècnica de València
Student: , MIÑANA FAYOS, SALVADOR
Obtained qualification: 10.0
Date of reading: 25/11/2016
- 3** **Project title:** FACTORES DETERMINANTES DE LA RENTABILIDAD EMPRESARIAL
Type of project: Minor thesis
Entity: Universitat Politècnica de València
Student: , GANDIA CUENCA, MIGUEL ANGEL
Obtained qualification: 10.0
Date of reading: 30/09/2015

Scientific and technological experience

Research and development groups/teams

Name of the group: Dpto. De Ingeniería Cartográfica Geodesia Y Fotogrametría

Scientific or technological activities

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

- 1** **Name of the project:** ANALISIS Y PREDICCIÓN DE LA SALINIDAD DE LAS AGUAS DE LA ALBUFERA DE VALENCIA MEDIANTE MODELIZACIÓN ESTADÍSTICA BAYESIANA ESPACIO-TEMPORAL (GV/2017/140)
Entity where project took place: Universitat Politècnica de València
Name principal investigator (PI, Co-PI....): Ángel Marqués Mateu
Nº of researchers: 5
Funding entity or bodies:
GENERALITAT VALENCIANA

Start date: 07/02/2018
Duration: 1 year - 9 months - 22 days



Total amount: 3.700 €

2 Name of the project: ANALISIS ESPECTROFOTOMETRICO Y CALIBRACION DE CAMARAS APLICADOS AL ESTUDIOS DEL ARTE RUPESTRE (HAR2014-59873-R)

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): José Luis Lerma García

Nº of researchers: 8

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y EMPRESA

Start date: 01/01/2016

Duration: 2 years

Total amount: 21.780 €

3 Name of the project: AYUDA CONTRATO FORMACION DOCTORES-RIUTORT MAYOL (BES-2015-073476)

Entity where project took place: Universitat Politècnica de València

Nº of researchers: 3

Funding entity or bodies:

MINISTERIO DE ECONOMIA Y EMPRESA

Start date: 23/11/2015

Duration: 4 years - 2 months

Total amount: 91.250 €

R&D non-competitive contracts, agreements or projects with public or private entities

Name of the project: ASISTENCIA TECNICA PARA EL PROYECTO DE CALLEJEADOR VIRTUAL

Entity where project took place: Universitat Politècnica de València

Name principal investigator (PI, Co-PI....): José Luis Lerma García

Nº of researchers: 8

Funding entity or bodies:

TRABAJOS CATASTRALES, S.A.

Start date: 23/09/2008

Duration: 2 years

Total amount: 136.827 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** ADOLFO MOLADA TEBAR; Gabriel Riutort Mayol; Ángel Marqués Mateu; José Luis Lerma García. A Gaussian Process Model for Color Camera Characterization: Assessment in Outdoor Levantine Rock Art Scenes. *Sensors*. 19, pp. 4610. 2019. ISSN 1424-8220. DOI: 10.3390/s19214610
Type of production: Scientific paper **Format:** Journal
- 2** Eric Madeleine Pierre Gielen .; Gabriel Riutort Mayol; José Luís Miralles García; José Sergio Palencia Jiménez. Cost assessment of urban sprawl on municipal services using hierarchical regression. *Environment and Planning B Planning and Design*. pp. 0 - 18. 2019. ISSN 0265-8135. DOI: <https://doi.org/10.1177/2399808319869345>
Type of production: Scientific paper **Format:** Journal
- 3** JULIO MELVIN DEL HOYO MELÉNDEZ; BERTA CARRIÓN RUIZ; Gabriel Riutort Mayol; José Luis Lerma García. Lightfastness assessment of Levantine rock art by means of microfading spectrometry. *Color Research & Application*. 44, pp. 547 - 555. 2019. ISSN 0361-2317. DOI: <https://doi.org/10.1002/col.22372>
Type of production: Scientific paper **Format:** Journal
- 4** Eric Madeleine Pierre Gielen .; Gabriel Riutort Mayol; José Sergio Palencia Jiménez; Isidro Cantarino Martí. An urban sprawl index based on multivariate and Bayesian factor analysis with application at the municipality level in Valencia. *Environment and Planning B Planning and Design*. 45, pp. 888 - 914. 2018. ISSN 0265-8135. DOI: 10.1177/2399808317690148
Type of production: Scientific paper **Format:** Journal
- 5** Eric Madeleine Pierre Gielen .; José Luís Miralles García; Gabriel Riutort Mayol. MULTIDIMENSIONAL CHARACTERIZATION OF THE REGIONAL URBAN MODEL AND THE URBAN SPRAWL IN VALENCIA. *International Journal of Sustainable Development and Planning*. 13, pp. 493 - 505. 2018. ISSN 1743-761X. DOI: 10.2495/SDP-V13-N4-493-505
Type of production: Scientific paper **Format:** Journal
- 6** Ángel Marqués Mateu; José Luis Lerma García; Gabriel Riutort Mayol. Statistical Grey Level and Noise Evaluation of Foveon X3 and CFA Image Sensors. *Optics & Laser Technology*. 48, pp. 1 - 15. 2013. ISSN 0030-3992. DOI: 10.1016/j.optlastec.2012.09.034
Type of production: Scientific paper **Format:** Journal
- 7** Gabriel Riutort Mayol; Ángel Marqués Mateu; Ana Elena Seguí Gil; José Luis Lerma García. Grey Level and Noise Evaluation of a Foveon X3 Image Sensor: A Statistical and Experimental Approach. *Sensors*. 12, pp. 10339 - 10368. 2012. ISSN 1424-8220. DOI: 10.3390/s120810339
Type of production: Scientific paper **Format:** Journal

Works submitted to national or international conferences

- 1** **Title of the work:** A non-parametric probabilistic model for monotonic functions
Name of the conference: Thirty-second Conference on Neural Information Processing Systems (NIPS 2018)
City of event: Montreal, Canada,
Date of event: 08/12/2018
Michael Riis Andersen; Eero Siivola; Gabriel Riutort Mayol; Aki Vehtari. "Advances in Neural Information Processing Systems 31 (NIPS 2018)". pp. 1 - 5. Neural Information Processing Systems Foundation,
- 2** **Title of the work:** Spatio-temporal modelling of MFS measurements using Gaussian processes with derivative information
Name of the conference: XXIX International Biometric Conference
City of event: Barcelona, Spain,
Date of event: 13/07/2018
Gabriel Riutort Mayol. pp. null - null.
- 3** **Title of the work:** Spatio-temporal Gaussian processes with derivative information
Name of the conference: 4th Bayesian Young Statisticians Meeting (BAYSM 2018)
City of event: Warwick, UK,
Date of event: 03/07/2018
Gabriel Riutort Mayol. pp. null - null.
- 4** **Title of the work:** DISPERSIÓN URBANA Y SOSTENIBILIDAD AMBIENTAL EN LA COMUNITAT VALENCIANA
Name of the conference: 1st Congress in Geomatics Engineering (CIGeo 2017)
City of event: Valencia, Spain,
Date of event: 06/07/2017
Salva Miñana Fayos; Eric Madeleine Pierre Gielen .; Gabriel Riutort Mayol. "Primer congreso en ingeniería geomática. Libro de actas". pp. 144 - 152. Editorial Universitat Politècnica de València,
- 5** **Title of the work:** Image sensor noise estimation using Bayesian modeling
Name of the conference: II Jornadas Científicas de Estudiantes de la Sociedad Española de Biometría
City of event: Barcelona,
Date of event: 09/09/2016
Gabriel Riutort Mayol; Ángel Marqués Mateu; José Luis Lerma García; Antonio López Quílez; Virgilio Gómez Rubio. "II Jornadas Científicas de Estudiantes de la Sociedad Española de Biometría. Libro de Resúmenes". pp. 0 - 0. Sociedad Española de Biometría,
- 6** **Title of the work:** La dispersión urbana en la Comunidad Valenciana. Propuesta de índice de dispersión municipal
Name of the conference: VIII Congreso Internacional de Ordenación del Territorio. VIII Congreso de Derecho Urbanístico (CIOT-DU 2016)
City of event: Fuerteventura, Spain,
Date of event: 27/05/2016
Eric Madeleine Pierre Gielen .; Gabriel Riutort Mayol; José Sergio Palencia Jiménez. "VIII Congreso Internacional de Ordenación del Territorio. VIII Congreso de Derecho Urbanístico. Nuevos tiempos, nuevos objetivos". pp. 245 - 260. Asociación Interprofesional de Ordenación del Territorio, FUNDICOT,



Other achievements

Stays in public or private R&D centres

- | | | |
|----------|---|---|
| 1 | Entity: Aalto University. Department of Computer Science, Probabilistic Machine Learning Group
City of entity: Espoo, Finland
Start date: 01/05/2018 | Type of entity: University

Duration: 10 months |
| 2 | Entity: Aalto University. Department of Computer Science, Probabilistic Machine Learning Group
City of entity: Espoo, Finland
Start date: 05/10/2017 | Type of entity: University

Duration: 1 month |

Periods of research activity

Nº of recognized periods: 0

Certifying entity: Comisión Nacional Evaluadora de la Actividad Investigadora (CNEAI)