



GOT ENERGY TALENT fellowship programme 2nd call for fellowships

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GOT ENERGY TALENT fellowship programme

Second call for fellowships

1. Overview of the Programme
2. Second Call for Fellowships
 - A. Fellowships available and conditions
 - B. Timeline, requirements, how to apply
3. More information

1. Overview of the Programme. What



- Got Energy Talent is a fellowship programme co-funded by the EU as part of the H2020-MSCA-COFUND programme (Grant Agreement number 754382)
- A total of **34 fellowships** for experienced researchers to develop a 24-month research project in Madrid through 2 open calls at international level
- 2 calls: July 2018 (closed) and April 2019

1. Overview of the Programme. Who

Two Spanish public universities located in Madrid region – Academic Host Institutions

University of Alcalá

- ✓ Spanish public university located in the city of Alcalá de Henares
- ✓ City located 35 km (22 miles) Northeast of Madrid city, third-largest city in the region
- ✓ Founded in 1499, re-opened in 1977



Universidad de Alcalá

Universidad Rey Juan Carlos

- ✓ Spanish public university located in the Southern area of Madrid region
- ✓ 5 campuses at different locations in Madrid: Móstoles, Alcorcón, Vicálvaro, Fuenlabrada and Aranjuez
- ✓ Founded in 1996



Universidad
Rey Juan Carlos

**Applications to UAH and to URJC will be treated separately, i.e. two separate raking lists will be drawn up: one for the applicants applying to UAH and one for the applicants applying to URJC.*

2. Second call for fellowships. Research areas: Smart Energy

*We are looking forward
to receiving your
research ideas!!*

21 fellowships are available. 8 fellows will be hired by UAH and 13 by URJC.

Opportunity for experienced researchers from around the world to spend **two years at Madrid** (two year contract) to undertake an independent, interdisciplinary research project in the field of **smart energy and related areas**.

Open to the fellows to freely define their research project. However, the research should fall within one of the research lines offered and be supported by current research strengths at UAH, URJC and partner organisations.

 *In Part C of 'Research Proposal' form, applicants must explain how and why their research fits into the research line they have chosen, and show complementarities. **Applicants must get in contact with the relevant research group in order to get the necessary information to complete the application!***

2. Second call for fellowship. Research areas

How to find the research line where your research idea fits?

Where can you get the contact details?

All information is on the website! Please check the research lines available under “Research Lines”

Un proyecto de

GOT Energy TALENT | [Got Energy Talent](#) | [Calls](#) | [Research Lines](#) | [Researchers](#) | [News](#) | [Contact](#)

General information | *First & Second* | *Blog & Events* | *Contact info*

Research Lines - Second Call for Fellowships

HOME \

i You will find below the research lines available under the second call for fellowships. **Applicants must identify the research line where they want to be integrated** and get in contact with the corresponding research group, in order to get the necessary information to complete the application.

Under specific research lines, applicants can choose to go on a 1-year secondment during the second year of stay in Madrid in one of our partner host institutions from the non-academic sector. **If you are interested in doing a second year of applied research, please inform the research group from the academic host institution (UAH/URJC).**

Research Lines

A bi-lateral optimization through novel Artificial Intelligence applications, based on High Energy Performance approach in buildings

This research activity will be focused on the creation of novel tools and services through a High Energy Performance approach. The main goal is to develop an AI service for optimal control of energy considering behind the meter resources (management of energy sources at user level), with local (building or district) overall efficiency.

[Read more](#)

A Complexity approach modelling for decision support towards Circular Cities (3C Model)

Faced with the current global challenges of sustainable development and the mitigation of climate change, there is an urgent need for a transition from the currently dominant linear economy towards a circular economy (CE). here exists a lack of consensus regarding what constitutes a “circular city”, and also the need to determine yet further the rationales and the ways forward how to transform cities towards circular models. With the aim of helping to meet this need, our research will precisely explore these issues by conducting research at three different but interconnected areas: 1. Field Research. The project involves the need to gather new data from relevant public urban institutions and corporate stakeholders by means of a field survey, meetings and interviews. 2. Modelling and Analysis. Upon gathering the data from the field research, our team of researchers will conduct a comprehensive analysis and diagnosis of the

2. Second call for fellowship. Research areas

You will find all necessary information to get in contact with the research group under each research line: contact details, mentor, description of the research, relevant projects and publications.

Decentralized intelligent energy grids

HOME \ RESEARCH-LINE

Decentralized intelligent energy grids

Mentor:	Miguel Ángel Sicilia Urbán
Email:	msicilia@uah.es
Phone:	(+34) 918856640
University:	Universidad de Alcalá
Partner Host Institution:	
Keywords:	blockchain, decentralized energy grids, smart contracts

< PREVIOUS RESEARCH LINE

NEXT RESEARCH LINE >

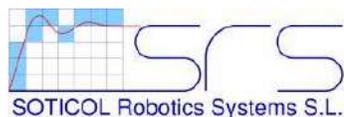


Decentralized intelligent energy grids

The emergence of blockchain as secure decentralized ledgers has opened possibilities for the decentralization of the distribution of energy. The Energy Web Foundation (EWF) and a number of startups had started the process of defining the use cases, and fitting them in the current infrastructure and regulatory frameworks. However, there is still a lack of understanding of which of the emerging blockchains-related technologies supporting smart contracts (including Ethereum, R-Chain, EOS, Hyperledger and Cardano) fit the requirements of the sector. Also, mechanism design for making the exchange, production and prediction (including prediction market dynamics) of demand and supply is still to be explored. This research line aims at (1) contrasting current platforms with the requirements and use cases of the EWF for a scientifically sound understanding of the best options, and (2) design and evaluate (probably using simulation) a set of incentive alternatives using mechanism design theory that may inform industry and the scientific community. It is expected that this will have an important impact in the ongoing initiatives towards the deployment of decentralized energy grids based on automated contracts.

3. Second call for fellowship. Secondment

- Under certain research lines, applicants can choose to go on a 1-year secondment during the second year of their stay in Madrid in one of our non-academic partner host institutions, i.e. in this case, the fellowship will consist of a 12-month advanced research project in one of the academic host institutions (UAH or URJC) combined with a 12-month period devoted to applied research in one of the non-academic institutions.
- *The 1st year at the academic host institution is compulsory! The contract will still be with the academic HI!*
 - *Part C of 'Research Proposal' form, applicants explain the reasoning of the secondment.*
 - *If you are interested, please inform the research group from the academic host institution.*



Advanced organic-inorganic hybrid materials for CO2 capture and conversion

[HOME](#) \ [RESEARCH-LINE](#)

Advanced organic-inorganic hybrid materials for CO2 capture and conversion

Mentor: Guillermo Calleja

Email: guillermo.calleja@urjc.es

Phone: (+34) 914887006

University: Universidad Rey Juan Carlos

Partner Host Institution: IMDEA Energy - Advanced Porous Materials Unit - Researcher Patricia Horcajada (patricia.horcajada@imdea.org)
CEPSA

Keywords: Porous materials, Metal-Organic Framework, Covalent-organic Framework, CO2 Capture and conversion, Heterogeneous Catalysis

[PREVIOUS RESEARCH LINE](#)[NEXT RESEARCH LINE](#)

Advanced organic-inorganic hybrid materials for CO2 capture and conversion

Metal organic frameworks (MOFs) are hybrid crystalline materials, exhibiting high specific surface areas, controllable pore sizes and surface chemistry. These properties have made MOFs attractive for a wide range of applications including gas separation, gas storage and catalysis. They are one of the most promising candidates for CO2 capture due to their adsorption selectivity towards CO2. The optimization of the physical-chemical interactions between MOFs and CO2 molecules is the key to further

2. Second call for fellowship. Conditions

A. Two-year full-time employment contract with either the UAH or the URJC (academic host institutions). Contract subject to the Spanish law.

B. Financial conditions:

- **€4,490.00 monthly** (€4,890.00 monthly for fellows with family duties)
Important: these amounts correspond to the total amount **before both employer contributions (economic rights and social costs) **and employee contributions** (fiscal obligations and social security and other taxes).*
- **Contribution to research costs:** €4,200.00 per fellow per year as a contribution towards the direct costs of conducting the research proposal (i.e. consumables, publications, travel, specific workshop or training activities).
**Please note that the contribution to the research costs is NOT part of the salary.*

2. Second call for fellowship. Conditions

Fellow Development Plan, mentorship and guidance

- ✓ All successful applicants will have an academic mentor at UAH or URJC.
- ✓ At the beginning of the fellowship, the fellow together with his/her mentor will develop a Fellow Development Plan (FDP) detailing knowledge gaps, training needs, milestones and deliverables. To be reviewed yearly.

Training and guidance

- ✓ GET-COFUND fellows will have access to the normal research training offer of UAH and URJC, as well as to the normal training offer of their host non-academic institution (*if applicable*).
- ✓ In addition, fellows will be offered a complementary dedicated agenda of activities to further develop their competences, with particular attention to technology transfer and innovation.

GET is supported by a full array of partner organisations that will support us in putting in place a targeted training agenda. Partner Organisations include international universities as well as entrepreneurship and innovation support agencies.

2. Second call for fellowship. Timeline

Call opened from 3rd April to 2nd July (12:00 Madrid time)!!

1. Application via the online application system. BUT YOU SHOULD WORK OFFLINE IN YOUR APPLICATION and once is ready, submit it.
2. Eligibility check by GET's Secretariat
2. Scientific Evaluation*. Each application will be independently and individually assessed by 3 experts. The outcome of the evaluation will be the "Individual Evaluation Report" (IER), which will be provided to all applicants.

**The scientific evaluation and the selection of evaluators will be provided by the Department for Coordination and Evaluation (Subdivisión de Coordinación y Evaluación, SCE) of the Spanish Ministry of Science, Innovation and Universities. Evaluators will assess the proposals according to the principles, guidelines and forms included in the Guide for Evaluators (available online)*



2. Second call for fellowship. Timeline

3. Consensus meeting and drawing of ranking lists*.
4. Communication of results.
5. Negotiation.

**Important to note: Applications to UAH and to URJC will be treated separately, i.e. two separate raking lists will be drawn up, one for the applicants applying to UAH and one for the applicants applying to URJC.*



2. Second call for fellowship. How to apply

Application package:

- Administrative form
- CV of the Applicant
- CV of the Research Group
- Research Proposal
- Letters of recommendation from 3 referees

INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED!!

Applications which do not use GET templates will be considered ineligible and will be excluded from further review.

GOT ENERGY TALENT – Second Call for Fellowships will open on 3rd April 2019 with deadline 2nd July 2019!

Got Energy Talent (GET) second call for fellowships will open on **3rd April 2019 until 2nd July 2019!**

Up to twenty one (21) fellowships are available under the second call. Out the 21 fellowships available, **UAH will recruit eight (8) fellows and URJC will recruit thirteen (13) fellows.**

We will upload the Guide for Applicants, the Guide for Evaluators and the application forms for the 2nd call on this website on the date of the opening of the call.

In the section Overview, you will find detailed information about the fellowship conditions (total number, duration and financial conditions), the eligibility criteria as well as the selection process.

Call schedule

Launch of the call:

- 3rd April 2019
- **Call deadline (2nd July 2019, 12:00 Madrid time): three months after call opening**
- Candidates will receive a confirmation email when submitting the application

Selection process:

- Communication of results of first eligibility check: July 2018
- Consensus meeting and drawing of ranking lists: December 2019
- Communication of results after the scientific evaluation: December 2019

Start of the fellowship:

- Redress and negotiation period: December 2019 to February 2020
- Approximate start of the fellowships: April 2020

Research Lines

It is open to the fellows to freely define the subject area of the proposed research. However, the research should fall within one of the research lines offered under GOT ENERGY TALENT fellowship programme and it should be supported by the current research strengths at UAH, URJC and its partner organisations.

[On-line application tool](#) 

▾ [Guide for Applicants](#)

▾ [Application Forms](#)

The application package of Got Energy Talent second call for fellowships is made of four (4) templates that you can download below. In addition to the four templates, applicants must provide 3 letters of recommendation (in English).

[GET_2nd_call_Application Forms_Administrative Form](#)

[GET_2nd_call_Application Forms_CV of the Applicant](#)

[GET_2nd_call_Application Forms_CV of the Research Group](#)

[GET_2nd_call_Application Forms_Research proposal](#)

[Letters of recommendation from 3 referees.](#)

The letters of recommendation do not need to follow any specific template. The letters of recommendation must be in English. Please be aware that, for reasons of conflict of interest, the letters cannot come from the mentor, the host research group, the host academic institution nor the partner host institution from the non-academic sector you are applying to. The three letters should be merged in a single .pdf document.

▾ [Documents for evaluators](#)

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2. Second call for fellowship. How to apply

APPLICANTS SHOULD WORK ON THEIR APPLICATION OFFLINE USING THE OFFICIAL TEMPLATES OF THE PROGRAMME!

THE TEMPLATES CAN BE DOWNLOADED FROM THE WEBSITE!

ONCE YOUR APPLICATION IS COMPLETE, YOU SHOULD SUBMIT IT VIA THE ON-LINE APPLICATION TOOL!

ALL DOCUMENTS MUST BE UPLOADED IN A SINGLE FILE (PREFERABLY .ZIP OR .RAR).

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GET_2nd_call_Application Forms_Research proposal

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▾ [Documents for evaluators](#) 15

2. Second call for fellowship. Eligibility

Reference date for experience and mobility (as well as for family allowance) is

CALL DEADLINE!!

- ✓ Nationality: GET fellowships are open to applicants of **any nationality**.
- ✓ Experienced Researchers– PhD or 4 years of full-time research experience
*“Applicants must be experienced researchers as defined by MSCA rules, i.e. applicants must be in possession of a doctoral degree or have at least four years of full-time equivalent research experience **immediately prior to the date of the call deadline**. Full-time equivalent research experience is measured from the date when a researcher obtained the degree which would formally entitled him/her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited, irrespective of whether or not a doctorate is or was ever envisaged”.*
- ✓ Mobility Rule – No more than 12 months in Spain in the 3 years previous to call deadline
*“Applicants must not have resided, or conducted their main activity (work, studies, etc.), in Spain for over 12 months in the 3 years **immediately prior to the call deadline**. In this regard, compulsory national service, short stays such as holidays and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not taken into account. Applications can be made by Spanish researchers as far as they comply with the MSCA mobility rule just described.”*
- ✓ Applicants cannot be permanent employees of UAH or URJC, or any of the organisations participating

2. Second call for fellowship. Evaluation criteria

A) Part A - Quality of the applicant and of the research group 70%

- ✓ Quality of the applicant (30%)
- ✓ Impact and benefit of the fellowship in his/her research career (25%)
- ✓ Quality of the hosting research group (15%)

B) Part B – Scientific quality of the project 30%

- ✓ Scientific/technological quality (25% on Part B)
- ✓ Research methodology (20% on Part B)
- ✓ Originality and innovative character of the project (20% on Part B)
- ✓ Expertise of the candidate and the hosting institutions (15% on Part B)
- ✓ Impact. Timeline and relevance of the project in the specified research areas and the regional context (20% on Part B)

Applicants will receive the IER (Individual Evaluation Report)

INDIVIDUAL EVALUATION REPORT (IER)

PART A (overall weight 70%) QUALITY OF THE APPLICANT AND OF THE RESEARCH GROUP	
[0 = Fail, missing or incomplete; 1 = Poor; 2 = Fair; 3 = Good; 4 = Very good; 5 = Excellent]	
Criterion 1.1. Quality of the applicant (overall weight 30%)	
<ul style="list-style-type: none">- Biographical sketch, including list of publications, congress communications, patents and impact factor evolution- Scientific skills and competences: knowledge areas, acquisition of new knowledge/skills throughout the career, teaching experience, soft skills.- Complementary skills and competences: project/team management/leadership experience, change of sector, and exploitation of results- Letters of interest, references, and academic awards/honours received- Postdoctoral experience, locations, role, responsibilities- Research groups and collaborative projects, considering degree of participation/responsibility	
Score:	____ (out of 5)
Threshold:	4
Comments:	
Criterion 1.2. Impact and benefit of the fellowship in his/her research career (overall weight 25%)	
<ul style="list-style-type: none">- Independent thinking and leadership qualities. Candidate's capacities to propose new research lines and to create networking for his/her research activity.- Match between the applicant's profile and the research proposal, i.e. if the candidate has based his/her career development as a researcher on the scientific area proposed in the research proposal.- Potential to acquire new knowledge. Candidate's capacities to diversify and enrich his/her research activity within the interaction with other research players in the UAH/URJC network.	
Score:	____ (out of 5)
Threshold:	3
Comments:	

Please carefully read the Guide for Evaluators!!

2. Second call for fellowship. Wrap-up

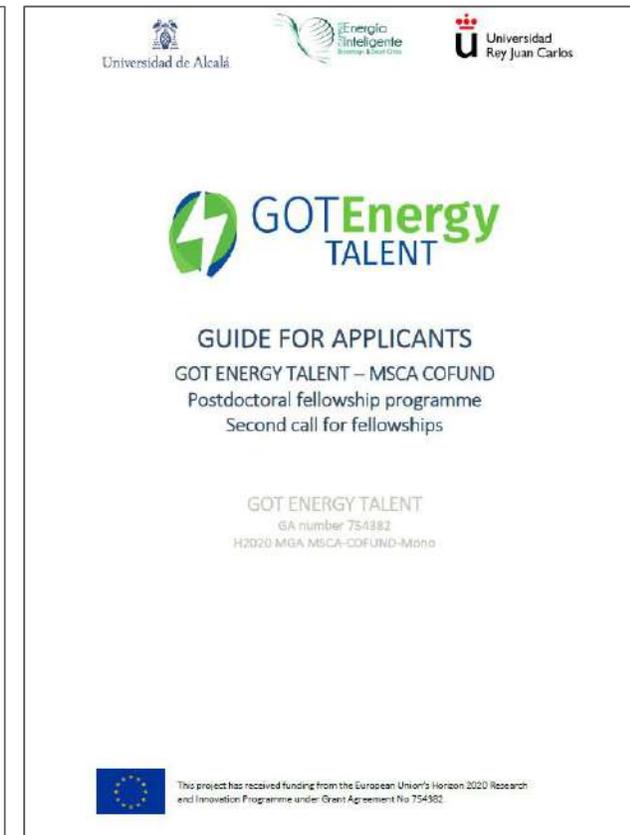
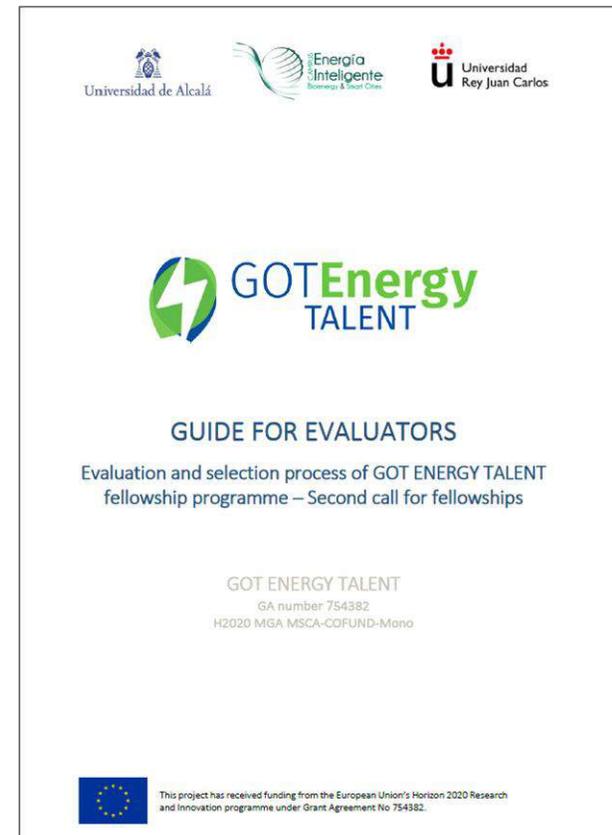


Before applying, please make sure that you have carefully read both the:

- ✓ Guide for Applicants and
- ✓ Guide for Evaluators

... and that your application is complete:

- ✓ Administrative form
- ✓ CV of the Applicant
- ✓ CV of the Research Group
- ✓ Research Proposal
- ✓ Letters of recommendation from 3 referees



4. More information

Got Energy Talent website
<http://gotenergytalent.uah.es/>

We also recommend potential applicants to read:

“Guidelines for the management of the mobility of the foreign researcher in Spain 2017”
<https://www.fecyt.es/en/publicacion/guidelines-management-mobility-foreign-researcher-spain-2017>

**Disclaimer: the information provided in this presentation is only for clarification purposes. Applicants must read the information provided in the Guide for Applicants, the Guide for Evaluators and Got Energy Talent website. In case of discrepancies or inconsistencies between the content herein and the content in the Guide for Applicants, the Guide for Evaluators or Got Energy Talent website, the latter will prevail.*





THANK YOU FOR YOUR ATTENTION!

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