



## Open positions in the Research Institute ITACA, Universitat Politècnica de València in the Margarita Salas grants program.

The Microwave Division (DIMAS) of the research institute ITACA undertakes scientific and applied research, technological development and technology transfer initiatives in the field of microwave engineering. The division is mainly composed by renowned researchers, including University staff with the assistance of contracted researchers, technicians and fellowship students.

The team of researchers is well established with close links to industry and has one of the best independent microwave design and test facilities in Spain, including an excellent starting-up hardware and software equipment to confront the diverse systems and prototype designs. At the same time ITACA has appropriate resources to develop the project according to the requests of the business, in the framework of professional agreement or contract.

We develop our scientific activity and technological development in the framework of competition projects with European, national and local financing. The team disseminates the results of its research through publications in refereed journals, presentations at conferences and workshops, and participation in standards organizations. During last years, the team of researchers has participated in more than 150 projects and published more than 100 scientific papers. Please, visit [www.itaca.upv.es/dimas/](http://www.itaca.upv.es/dimas/) for more information.

ITACA's research lines are grouped into research fields. ITACA promotes collaboration across different research fields with multidisciplinary teams to address societal challenges and to find solutions to real-life complex problems. Some of the research topics of the microwave division are: Design of Microwave and RF Circuits and Subsystems, Microwave Measurement Techniques and Microwave Processing of Materials.

The team is internationally recognized for its successes in the field of microwave application for energy applications and contribution to the decarbonisation of process industry. Specifically, his research on hydrogen production can be seen at the following links:

<https://www.upv.es/noticias-upv/noticia-12415-una-revolucion-en.html>

[https://www.eurekalert.org/pub\\_releases/2020-11/updv-rda110320.php](https://www.eurekalert.org/pub_releases/2020-11/updv-rda110320.php)

<https://www.nature.com/articles/s41560-020-00720-6>

<https://www.h2-view.com/story/research-hydrogen-production-from-microwaves/>

DIMAS wants to take advantage of the Margarita Salas Grants to invite young doctors, who wish to continue their scientific career, to make a stay with us, starting or growing in the field of research on **the use of microwaves for energy applications** and improvement of the environment, for its contribution to the decarbonisation of industrial processes.