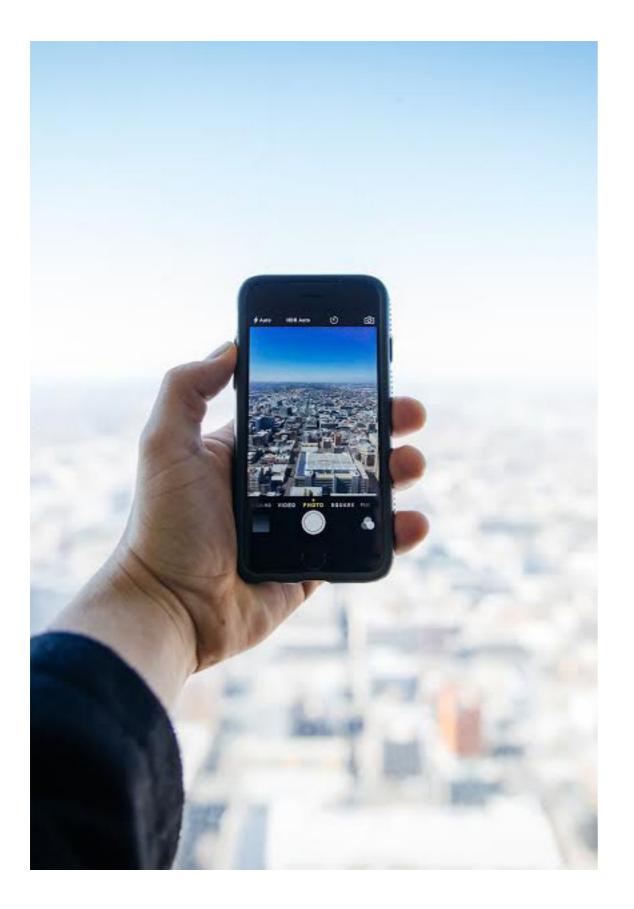
GRITA Advanced Telecommunications



Polytechnical High School





The Research Group in Advanced Telecommunications (GRITA) is formed by doctors in telecommunication, physics and engineering. It is oriented towards the application of telecommunications to improve the quality of life of people in today's society through the use of sensors and wireless technologies. Specifically, it proposes collaboration with the line of Internet of Things and Smart Cities.

GRITA's expertise in IoT devices, wireless communication networks, and cloud based platforms allows them to collaborate in projects where the developing of devices, algorithms, interfaces, tests, and prototypes for enhanced information technology in which features like low cost, low energy consumption of the devices and long range of the communication protocol, are of relevance.

Partners:





GENERAL DESCRIPTION

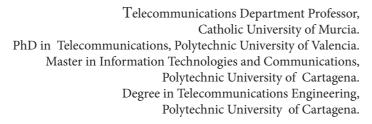








PRINCIPAL MEMBERS



Dr. Juan Miguel Navarro Ruíz Research Head



Telecommunications Department Professor, Catholic University of Murcia. PhD in Information Technologies and Communications, Polytechnic University of Cartagena. Degree in Telecommunications Engineering, Polytechnic University of Valencia.

> Dr. Concepción Sanchis Borrás Researcher

Telecommunications Department Professor, Catholic University of Murcia. PhD in Industrial and Telecommunication Technologies, Polytechnic University of Alicante. Degree in Telecommunications Engineering, Polytechnic University of Valencia.

> Dr. Francisco Alberto Rodríguez Mayol Researcher



Telecommunications Department Professor, Catholic University of Murcia. PhD in Telecommunications Engineering, Polytechnic University of Cartagena. Degree in Telecommunications Engineering, Polytechnic University of Cartagena.

> Dr. Teodoro García Egea Researcher

http://investigacion.ucam.edu/grupos/grita/es/composicion

SELECTED RESEARCH PROJECTS



Holistic Development of Emergent Applications in **Heterogeneous Systems** Call: Ministry of Economy and Competitiveness Leader: Catholic University of Murcia



Analysis, simulation and synthesis Call: Ministry of Economy and Competitiveness Leader: Polytechnic University of Valencia

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2013-2016

Theoretical and experimental channel modeling of millimeter and submillimiter wave systems for communication and imaging Call: Ministry of Economy and Competitiveness Leader: Polytechnic University of Cartagena

2013 - 2016



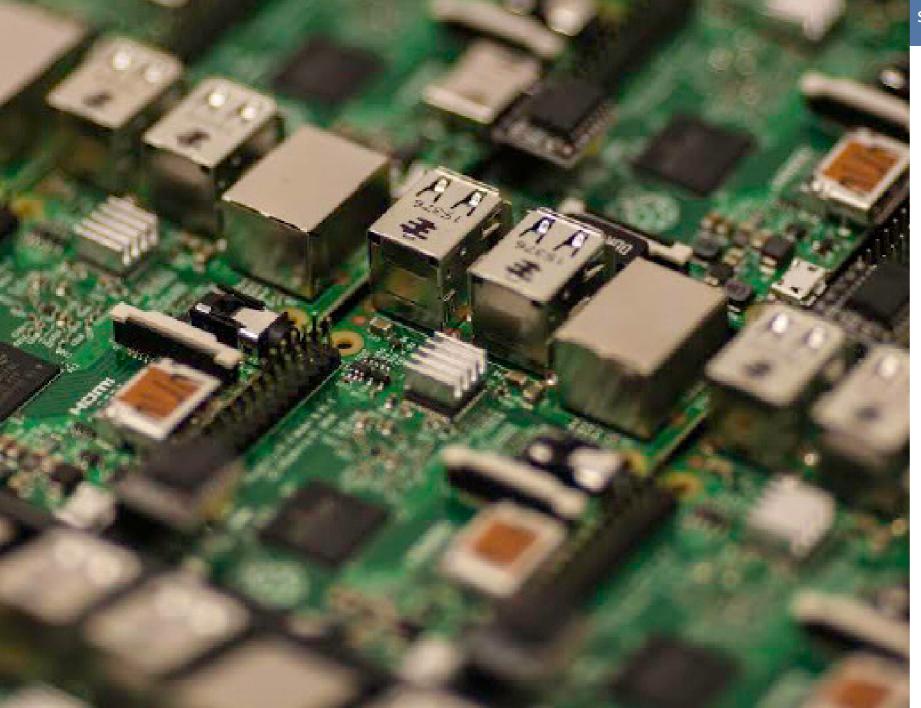
li - Extrares-li *Call: Erasmus* + Leader: Catholic University of Murcia

2014



Sound processing for human-machine interaction:

Exchange and Training In Renewable Energy Sector



SELECTED RESEARCH LINES



Classification of radio-electric systems



http://investigacion.ucam.edu/grupos/grita/es/capacidades



loT and Smart City

Acoustics and sound processing

WHAT IS THE OPRI

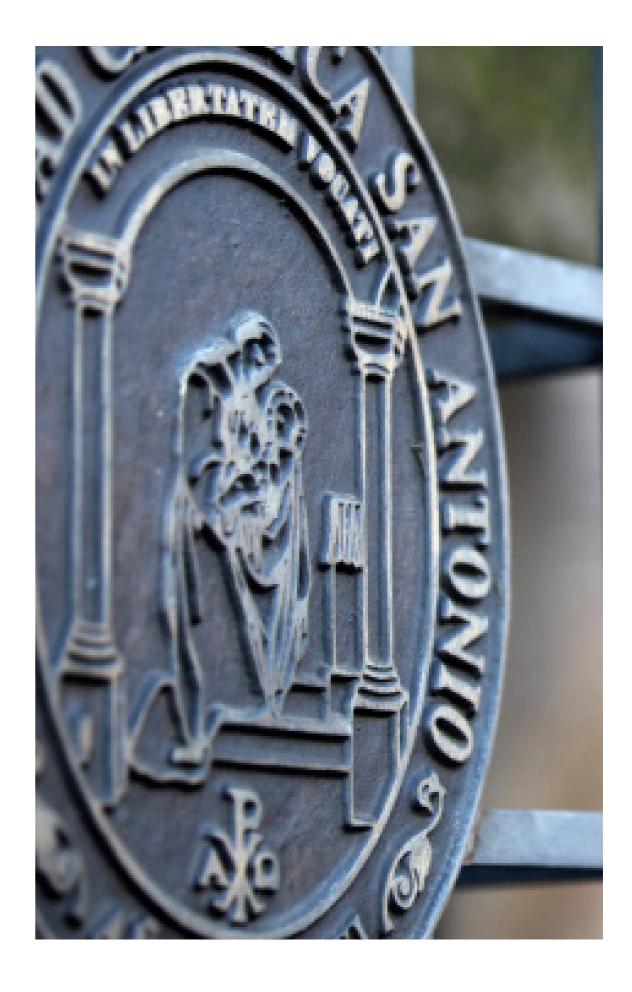
The International Project Office (OPRI) is an office linked to the Vice-rectorate of Research, and is responsible for the management of international research projects at UCAM.

The OPRI was founded to strengthen the collaboration between our partners all around the world in the field of research. The unit was established in 2012 and has built strong alliances in 36 countries in which the university has to date participated in 41 projects.

The internationalization of the Catholic University of Saint Anthony, through the OPRI, is directed towards all of the university community, researchers as well as students. A total of 160 students have participated already in projects in a variety of countries all over the continent.

PRINCIPAL CALLS:







OPRI International Project Office UCAM Vice-rectorate of Research

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