UKEIM

Universal Knowledge Enhancement By Multidisciplinary Implementation

Informatics Engineering Department

The Universal Knowledge Enhancement by Multidisciplinary Implementation research group (UKEIM) is mainly oriented to manage knowledge-intensive processes at different levels to improve applications in any field with the help of interdisciplinary researchers integrated in the Computer Engineering degree at UCAM.

UKEIM focuses its expertise in the following areas: Natural language processing, semantic web, computational linguistics (machine learning), multi-agent systems (to simulate social behavior) and Ambient Intelligence (AmI).

Partners:

Informatics Engineering Department Professor,
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Degree in Informatics Engineering, University of Murcia.

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Researcher

SELECTED RESEARCH PROJECTS

2017 - 2019

Desarrollo holístico de aplicaciones emergentes en sistemas heterogéneos (HETEROLISTIC)
Sistemas Heterogéneos, UHPC, Desarrollo Holístico, Aprendizaje Máquina, Bioinformática, Simulación atomística, Inteligencia Ambiental,Ingeniería en Estructuras

Field: Architecture and Computer Technology
Call: Spanish Ministry of Economy and Competitiveness
Leader: Catholic University of Saint Anthony

2015 - 20 17

Development of a Virtual Laboratory for Processing Computing of the Natural Language from a Functional Paradigm

Field: Natural Language Processing
Call: Spanish Ministry of Economy
Leader: Catholic University of Saint Anthony

2014 - 2016

Discovery of novel blood anticoagulants using hybrid artifical intelligence techniques

Field: Artificial Intelligence
Call: NILS Science and Sustainability Program
Leader: Catholic University of Saint Anthony

2009 - 2011

Data mining-based methodologies for the design of intelligent hybrid systems

Field:Artificial Intelligence
Call: Spanish Ministry of Education
Leader: Catholic University of Saint Anthony

SELECTED RESEARCH LINES

Natural interfaces, mobility-ubiquity-sociability

Knowledge management: natural language processing, multi-agent systems, semantic web and environmental intelligence

Informatics applied to other sciences with needs in the management of affective knowledge
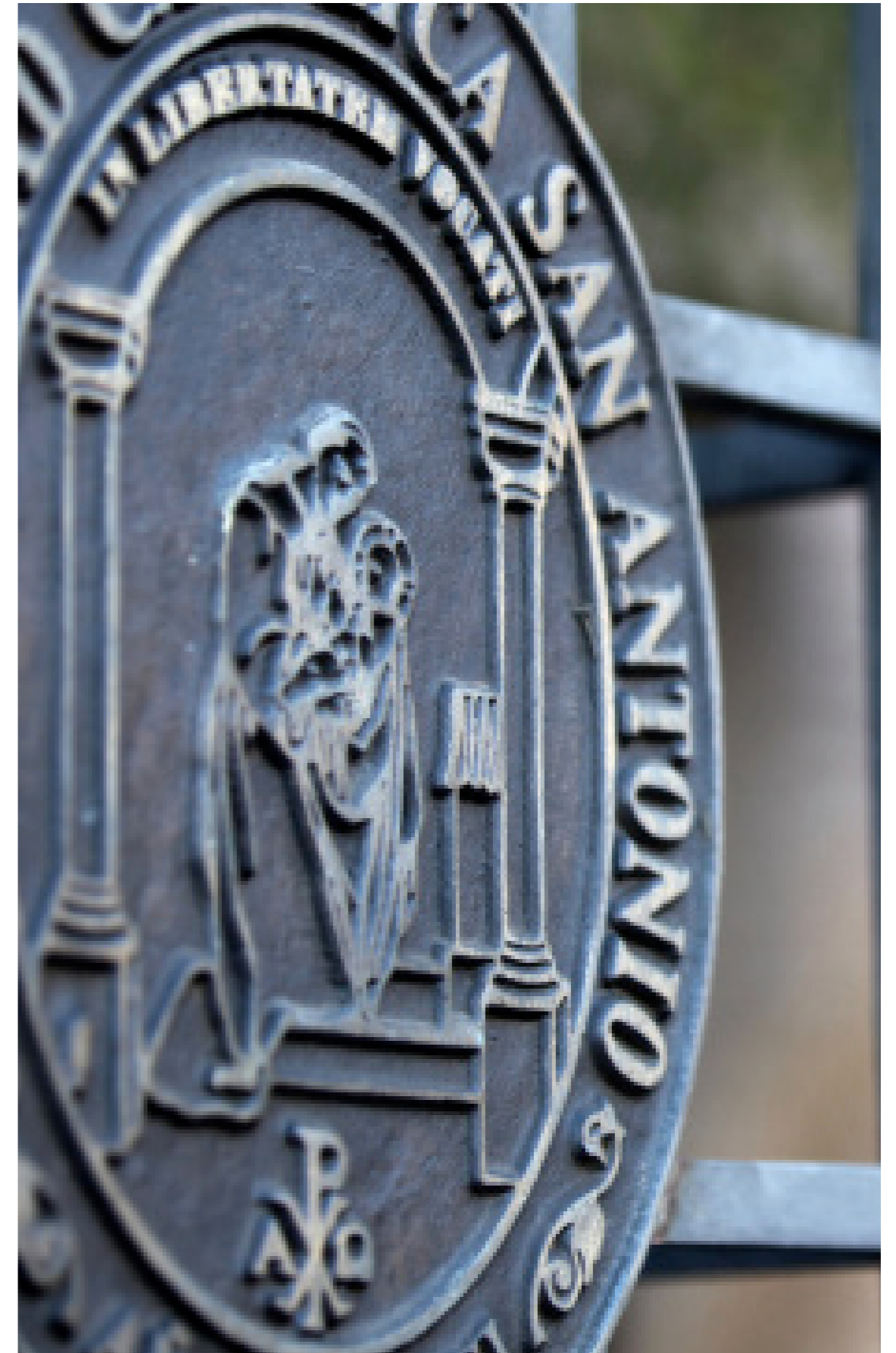
Big Data applied

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.

CALLS:

http://investigacion.ucam.edu/opri