



Salvador Mena

Head Contract Research Unit

Univ. de Barcelona - FBG



Bilateral Meetings

- 02.03.2015 Monday (11.00h - 13.05h)
- 02.03.2015 Monday (15.10h - 18.05h)
- 03.03.2015 Tuesday (9.00h - 11.05h)
- 03.03.2015 Tuesday (11.05h - 13.10h)
- 03.03.2015 Tuesday (15.15h - 16.55h)
- 04.03.2015 Wednesday (9.00h - 11.05h)
- 04.03.2015 Wednesday (11.05h - 13.10h)
- 04.03.2015 Wednesday (15.15h - 16.55h)

Description

As an agent of economic and social development, the University of Barcelona aims to facilitate the transfer of knowledge and the results of R+D+i to society. It thereby contributes to the business community's competitiveness and to improving social welfare; this is the University's third mission.

Organization Type

University

Organization Size

26-50

Founding Year

1983

Areas of Activities

HARDWARE

1. Antennas, aerial, masts and towers
2. Backhaul solutions
3. Batteries
4. Bluetooth accessories
5. Power systems
6. Semiconductors
7. Telemetry systems
8. Test and measurement equipment

SOFTWARE/INTERNET

1. Application development
2. Data analysis
3. Data compression
4. Mobile social networking

SERVICES/OTHERS

1. Education and training
2. Systems integration

Offer

GAIA UB

* Software development for managing large volumes of data. Validation and preparation for its use.

* Generation of 3D geolocation maps with high precision in position (microarcsecond) and movement . Solutions for Space sector.

* Solutions for Image Reconstruction , transmission and storage of data.

Cooperation Offered

1. Technical co-operation
2. Outsourcing co-operation

Offer

CLOUD COMPUTING - DIRAC

- Computer networks, clouds and clusters.
- Aggregation in a single computer system resources and data from different sources.
- Software that provides a ready-to-use framework for distributed computing.
- Storage Solutions Remote interoperability

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation

Offer

COMPUTACIONAL VIEW BGN PERCEPTUAL COMPUTING

- Processing and analysis of video, audio, movement and other sensory data .
- Analysis of social signals . Analysis of nonverbal behavior.
- Advanced analysis of medical images .
- Multiple classifier systems . Learning online and active.
- Detection and object recognition and shape analysis.

Cooperation Offered

1. Technical co-operation
2. Outsourcing co-operation

Offer

Smart cities and citizen participation.

- * Smart cities and citizens. Generating data using new technologies and citizen participation, applied to smart-mobility, human behavior and urban ecosystems prediction).
- * Analysis, modeling and prediction applied to urban and cultural spaces .
- * Generation and dissemination of new knowledge by multidisciplinary and participatory methodologies (with artists and designers , using games and the use of open source platforms).
- Organizational network analysis using records of internal communication.
- Study and modeling of human mobility in controlled environments such as neighborhoods.
- Characterization and modeling social behaviors through gaming.

Cooperation Offered

1. Outsourcing co-operation
2. Technical co-operation

Offer

MICROSYSTEMS ENGINEERING GROUP (CEMIC)

- Design, simulation and development of new sensors and actuators based on microelectronic technology.
- Design of interface circuits for sensors and actuators (A/D converters, RF communications, optical communications, field bus communications, power integrated circuits) using new mixed design techniques and microsystems technologies.

- Development of optoelectronic systems and telemeasurement and transmission Radiofrequency.
- Development of intelligent measurement and control systems using signal processing.

Cooperation Offered

1. Technical co-operation
2. Outsourcing co-operation

Offer

Atmospheric data Modeling

- * Modeling and Analysis of data weather.
- * Prediction of wind and temperature. Evaluation of weather risk.
- * Data analysis of air pollutants . Predicting air quality .

Cooperation Offered

1. Technical co-operation
2. Outsourcing co-operation

Offer

Volume Visualization and Artificial Intelligence

Wireless sensor networks (together with other scenarios such as Internet or medical applications) for the gathering of large volumes of data. Study their organization, adaptation and decision making within the Multi-Agent Systems research area.

Machine learning and recommenders in order to manage and extract knowledge from large volume of information, using Probabilistic Graphical Models and Group Recommenders.

Information visualization (in 3D). This will allow users interaction to understand and take advantage of the information contained within the data.

Cooperation Offered

1. Technical co-operation
2. Outsourcing co-operation

Offer

Expertise in Smart Cities technologies

We can improve the competitiveness of companies providing technology and knowledge to company projects.

Cooperation Offered

- 1. Outsourcing co-operation**
- 2. Technical co-operation**