UNIVERSITY OF JAÉN
*Vice-chancellorship of Communication and Institutional Relations*

*The Office of Communication*
*Press Release*

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# University of Jaén starts a new communication system based on the Bluetooth technology

The University of Jaén, through its Vice-Chancellorship of Technologies of Information and Communication, has launched a new system of communication based on Bluetooth technology.

The system is called RIBUJA (Information Network Bluetooth UJA), a new system only in Spanish universities, which can send information to mobile devices that have Bluetooth technology.

It is unique primarily because it integrates with other University systems and platforms (Diario Digital, digital platforms, systems of QR codes, etc.), and allows to send personalized messages based on the settings made by the user in his or her personal profile on the internet. Furthermore it is not isolated but formed by devices that form a network of access points that can be used and configured individually from a central server. These servers can be found in the two cafeterias, in the vice-chancellor's building, the student council and the Flores de Lemus Lecture Hall at the Lagunillas campus, and another one in Linares.

"This is a network and the user receives a different types of information depending on where the user is. It offers the possibility to subscribe to the news the user wants to receive and also to receive personalized academic information. It also offers the possibility to interact with it, due to the fact that as well as being able to receive information there the possibility of sending information both to the system and a particular user," Francisco Roca, Vice-Chancellor of TIC of the University of Jaén, in relation to the novelty of the this system relating to other conventional Bluetooth based systems.

In this sense, the University of Jaén Telecommunication Engineering professor Ildefonso Ruano Ruano, who has been at the forefront of this work, stressed that the system RIBUJA "breaks" with the problems posed by Bluetooth devices in regards to time and space, which require to connect to a server that is in immediate distance of the device at that specific moment in time. "As to the time question, thus system saves the information and sends it to detect any points of access to the network. Regarding the space question, we should not have to be at the same site as the server because the user can send messages from anywhere and when the system detects the mobile phone, it sends the information back into the network," said Ildenfonso Ruano.

This system, funded by the Vice-Chancellorship of TIC of the University, has been developed entirely at the University of Jaén, thanks to the project OTRI in which a group formed by two professors and two fellows who were students of Telecommunication Engineering in the Polytechnic School of Linares. More information can be obtained by consulting the website http://ribuja.ujaen.es