



**Wednesday 15th June 2011**

**Time: 11:30 - 12:00**

## **A Student Registration System in the Azure Cloud**

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### **Abstract:**

Student registration is a process executed every year, usually in the first two weeks of September, in which every student has to register for the current year courses'. In the same process, the student has also to fill a general survey, regarding his current social situation. This process is executed by the student on an on-line web application. Because most students will try to register in the first two days of the registration period, the web application and the supporting system are used only once a year in a very intense way and for a very short period of time. In the last year there was a need to upgrade the system, so, considering all the announced cloud computing advantages, we decided to redesign the system to be implemented in Microsoft Cloud Azure. The main reasons behind this decision where to verify: the feasibility of using Azure to support future projects; the Azure feature of buying only the computing and database space needed at any given moment. This paper describes the registration system as it was developed and used to register UTAD's 8.000 students, last September. It reports on the advantages of using the Azure cloud platform and establishes fairly good reasons for using Azure has The platform for developing and hosting future applications.