



Wednesday 15th June 2011

Time: 14:30 - 15:00

The Université Joseph Fourier Java Card System at IMAG

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Abstract:

IMAG (Informatique et Mathématiques Appliquées de Grenoble) is a graduate school and research institute of Université Joseph Fourier, Grenoble, France. IMAG runs a smartcard system for its students, academics and staff (1 500 people). A microprocessor card supporting a JAVA OS platform has been chosen, allowing dynamic downloading of applications after the personalization of the card. The card's design includes a photograph of the bearer and personal information downloaded from the university student/staff information systems: name, first name, position at IMAG, student/staff number, etc

The following services were implemented during academic year 2009-2010:

- Identification: The card id used to prove the holder ID
- Access control: physical access to IMAG buildings and rooms (depending on bearer's position)
- Logical access to IMAG Information Systems
- Libraries accesses

During this 2010-2011 academic year are added two extra-academic services:

- As an experimental agreement with a bank consortium (Moneo), a general e-purse allowing the bearer to download money from a bank machine, and pay goods in Euros, especially university canteens and cafeterias. This was started in September 2010 and works well.
- Ticketing with our Java card on city and inter-city transportation systems. A Calypso applet has been downloaded on the Java card, and especially tested with the French Railways. We are looking for the Regional Government agreement to experiment this functionality on a real scale.



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In the future, other services will be added on the card: print and copy services, renting bikes, parking...