

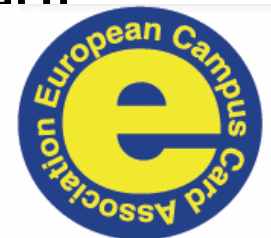
***Examples  
of new campus functions  
in Polish student  
ID card systems***

***ECCA Annual Conference 2008,  
Łódź, Poland***



## OPTeam

- Established in **1989**,
- Specializes in projecting and implementing card based systems for financial institutions, corporations, retailers, universities and government institutions,
  - **OPTIcard** – loyalty card system,
  - **OPTIpass** – corporate card system,
  - **OPTIcash** – electronic purse system,
  - Software applications for EFT POS payment terminals,



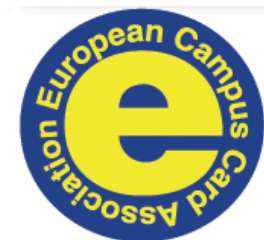
## OPTeam

- **OPTIcamp** is one of the main competences, used now in nearly **80** Polish universities, near **1 million** student cards delivered),
- ECCA member



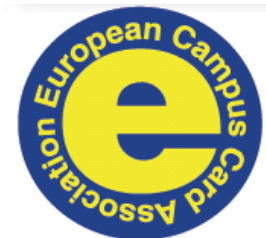
# Official Student ID in Poland

- Card body and hologram design



# Official Student ID in Poland

- Requirements:
  - Card compliant with ISO/IEC 7816-2, ISO/IEC 7816-3, ISO/IEC 7816-4, ISO/IEC 7810,
  - Visual identification of cardholder possibility due to photo and other personal data printed on the surface,
  - Holograms used to confirm the validity for each semester,
  - Information about the student and university, validity date and digital signature (with certificate) of the person representing the university – stored in card memory.



# Official Student ID in Poland

- Universities may:
  - Choose between card models and producers,
  - Design their own, additional functionality,
  - Collect a fee of 17 PLN for first issue and 25,50 PLN for duplicates.
- Universities are not allowed to place bank or other organizations logos on the card



# Official Student ID in Poland

- Possible extensions:
  - Public transportation,
  - Access to computers,
  - Access to information kiosks,
  - Authorization and identification in software systems (exams),
  - Libraries,
  - Access control to buildings, rooms, labs, car parks,
  - Leisure center cards,
  - Electronic purse,
  - PKI,
  - Meal plan,
  - Bike rental,
  - Printing and Photocopies



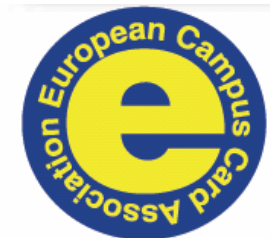
# OPTIcamp implementations

## 2 examples

- Maria Curie-Skłodowska University in Lublin (UMCS)
- Wrocław Technical University



Politechnika Wrocławska





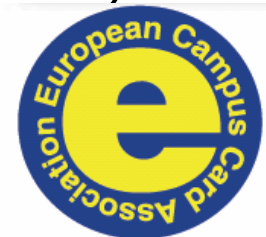
## **UMCS – basic facts**

- 35.000 students,
- Several dozens of buildings located in different parts of the city,
- GemXpresso hybrid card: MPCOS and PKI Java applets + Mifare 1k contactless module,
- OPTIcamp campus card system.



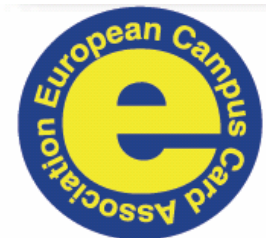
# Functions of UMCS campus card

- **ELS** – official student ID document:  
Personalization center (3 re-transfer card printers Edi-Secure XID 580 with lamination modules, one side printing + lamination, over 80 people/points for ELS activation) ,
- **Library ID**  
Electronic, based on MPCOS (as Mifare is reserved for other apps) ,
- **Computer access**  
Nearly 400 computers with Windows 2000/XP, based on *login name /password /PIN* ,



# Functions of UMCS campus card

- **Access control**
  - **29** computer labs, separate AC back office system with data exchange mechanisms/procedures with OPTIcamp (cardholder status & access rights),
- **Info kiosks**
  - **21** kiosks : card based authorization, card info presentation, PIN management, student data access, train and bus schedules, campus map, library portal - content management available for the university.



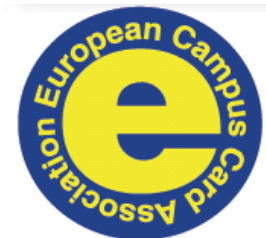
## ■ Plans for UMCS student ID card

- Campus card for teachers and administration employees with similar functionality,
- Printing and photocopy management,
- Integration with electronic public transport ticketing system.



## Wrocław Technical University- basic facts

- Card personalization center and data center for the consortium of Wrocław universities (over 100.000 students, 12 universities),
- Over 100 buildings located in different parts of the city,
- GemXpresso hybrid card: MPCOS and PKI Java applets + Mifare 1k contactless module,
- OPTIcamp Multiperso solution system.



# Campus card modules in Wrocław

- **ELS** – official student ID document
  - Personalization center (5 thermo transfer card printers Evolis Dualis, one and double side printing, no lamination, over 100 people/points for ELS activation),
- **Info kiosks**
  - Card based authorization, card info presentation, PIN management, student data access, messaging system - content management available for the universities



# Campus card modules in Wrocław

- **Library ID**
  - Electronic, based on MPCOS (as Mifare is reserved for other apps and barcodes)
- **BCW - Printing Centers**
  - printing, copy and scan management,
  - web based, e-mail and local network operating,
  - pdf and xps format supported,
  - multifunction devices of any manufacturer,
  - e-purse used.



## ■ Plans for Wrocław student card

- Campus card for teachers and administration employees with similar functionality,
- PKI,
- Integration with electronic public transport ticketing system,
- Cross-authorization,
- Bike rental.







***OPTeam***

***OPTeam***<sub>S.A.</sub>  
dawniej OPTIMUS-Comfort

***Thank you for your attention***

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■ ***Jacek Błahut***

