

# University of Applied Sciences Western Switzerland, Sierre



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# Location



## Some figures ...



- Economics/Engineering U of AS, 2'900 students
  - Business informatics, economy, tourism, ...
- 75 full-time scientific **researchers**
- 35 startup companies in the technology park
  - >100 **technology transfer** projects
- **Experience** with EU and national projects
  - Close to industry, foundations



# AAL Project Idea

Jean Hennebert

## Open Mobile Platform for Elderly Citizen's Services

Monitored Mobility, Social Interaction, Learning

- Use cases driven
- Examples :
  - monitored journey
  - **tourism for the elderly**
  - social interaction
  - cognitive learning
- Based on existing enabling technologies
- Other interests:

## Use Case: Tourism for the elderly

- My name is Rosa Smith. I would like to do a mini-trip to Brussels and visit the Royal Museum but
  - How to get there, which train/bus to take?
  - Where to step out of the bus, where to go then?
- ... and what if:
  - I get lost in Brussels
  - I feel sick or unsecure...
- I decide not to go because **planning the trip is difficult** and I am afraid of the **uncertainties**

# Tourism for the elderly : solution

## My phone is telling me:

- where I am
- what I have to do next
- what to do if I feel sick
- ...



## Third parties can offer:

- trip planification services
- surveillance and notification services
- ...

## My family/friends :

- know where I am
- know the progress of my journey
- can be notified in case of troubles
- ...

# Tourism for the elderly : technologies



## Mobile client based on Android

- easy-to-use interface
- access to core functionalities
- open platform
- geolocalisation services
- p2p notification services
- NFC based services
- fast and easy development



## Webservices offering:

- trip insertion
- registration of alarms and notification means
- communication means
- ...

Our experience: [www.merkuris.net](http://www.merkuris.net)  
[www.rfidcenter.ch](http://www.rfidcenter.ch)



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# Open Mobile Platform for Supporting Elderly Citizen's Services

- Other interests:
  - cognitive learning:
    - Integration of learning services for seniors on mobile devices
  - social interaction:
    - Simple communication devices
    - Social networks for the elderly



Our experience:  
[www.cyberlearn.ch](http://www.cyberlearn.ch)  
<http://cyberlearn.hes-so.ch>

# Thanks

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## Key competences

