Main activities

Knowledge extraction.
Involves tasks related to dataset processing, enrichment and modeling as well as data analysis and processing of an original and extensive smartphone usage datasets that we plan to analyze. This thesis will thus provide a comprehensive account that improves on each of the above limitations. This is possible with the help of new perspectives.

Building on that knowledge, this PhD thesis aims to contribute a uniquely comprehensive account of smartphone usage that addresses: i) the study of specific behavioral tendencies and constraints on social integration, ii) small-N data on specific features of smartphone use, and iii) disciplinary-specific knowledge extraction.

Current knowledge is fragmented because of the tendency of previous research to focus on: i) the study of specific behavior of smartphone use (ignoring thus complex interactions between behaviors), ii) small-N data on specific features of smartphone use, and iii) disciplinary-specific perspectives. Building on that knowledge, this PhD thesis aims to contribute a uniquely comprehensive account that improves on each of the above limitations. This is possible with the help of an original and extensive smartphone usage datasets that we plan to analyze. This thesis will thus involve tasks related to dataset processing, enrichment and modeling as well as data analysis and knowledge extraction.
The outcome of the thesis would be to build on the acquired human knowledge and technology usability to provide policy recommendations on infrastructure and technological design development to improve and expand the social integration of individuals.

**Skills**

Candidates must have a Master of Science or equivalent degree in Computer Science or Electrical Engineering. The ideal candidate has a strong background on machine learning, protocol design, scripting, statistics, and data mining. Knowledge of social networking or complex networks is a plus. Candidates must be fluent in written and spoken English.

**Benefits package**

- Subsidised catering service
- Partially-reimbursed public transport
- Social security
- Paid leave
- Flexible working hours
- Sports facilities

**Remuneration**

1.982 euros brut/month for 2 first year, then 2.085 euros brut/month for the 3rd year