Mission confiée

Thus, while examples of benefits of their usage can be easily found, smartphones are not a guarantee of social integration but an enabler whose impact depends on how it is being used. To understand how smartphones enable and constrain social integration, we need to understand (1) how, where and for what they are used, (2) how the uses of smartphones vary, as well as (3) how the psycho-social behavior of smartphone usage operate. The PhD thesis aims will be to expand our knowledge of smartphone usage; to connect that knowledge to the impact on social integration; and to provide policy recommendations on infrastructure and technological design development to improve and expand the social integration of individuals.

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 aim 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.
Principales activités
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.

Compétences
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.

Avantages sociaux
- Restauration subventionnée
- Transports publics remboursés partiellement
- Sécurité sociale
- Congés payés
- Aménagement du temps de travail
- Installations sportives

Rémunération
1.982 euros brut/mois durant les 2 premières années, puis 2.085 euros brut/mois durant la 3ème année