We are in particular looking for students with the following expertise (or a significant subset):

**Principales activités**

- Broad understanding of the complex world around us.
- Scenarios and trackers showing elevation profiles, or mobile phone visualizations used in emergency response scenarios.

The PhD student will study very small data visualizations, micro visualizations, in display contexts that involve minimal display space, diverse viewing angles, and moving displays. We want to understand how visualizations can be read when they are worn on a person. Do certain types of visualization support better reading when people just briefly glance at them - or when their hands or arms are shaking (e.g. while jogging or moving in a vehicle)?

**Impact**

Our focus on small or moving displays is novel and timely while supporting realistic usage scenarios. The increasing demand for data visualization support better reading when people just briefly glance at them - or when their hands or arms are shaking (e.g. while jogging or moving in a vehicle?).

**Research Goals**

- Designing and implementing small visualizations for smartwatches or fitness trackers.
- Running human subject experiments to analyze the effectiveness of these visualizations.
- Writing research papers on the results.
- Literature analysis.

**Consignes pour postuler**

- A drive to learn new things.
- Curiosity to answer unknown questions.
- Creativity in problem solving.

**L’essentiel pour réussir**

- A passion for answering questions.
- A willingness to work on new things.
- A desire to learn new things.

**Compatibilité d'horaires**

- There are no teaching requirements associated with this position.

**Informations générales**

- **Thème/Domaine:** Interaction et visualisation
- **Production, traitement et analyse des données** (SAP D)
- **Wille:** GIF SUR VETTE
- **Centre Inria:** CRI Saclay - Île-de-France
- **Date de prise de fonction souhaitée:** 2019-09-01
- **Durée de contrat:** 3 ans
- **Date limite pour postuler:** 2019-07-31

**Contacts**

- **Equipe Inria:** AVIZ
- **Directeur de thèse:** Isenberg Petra / Petra.Isenberg@inria.fr

**A propos d'Inria**

Inria, the French national research institute dedicated to sciences of the digital, promotes excellence scientific and technical research to address the major global impact. It employs 2400 people. Its 28 research teams, 60 research support staff members, the high-level equipment at their disposal (image walls, high-performance computing clusters, sensor networks), and the privileged relationships with prestigious industrial partners, make Inria Saclay Île-de-France a key research centre in the local landscape and one that is oriented towards Europe and the world.
- experience with graphic design,
- ability to communicate on a regular basis with and receive and incorporate feedback from research advisors,
- ability to clearly and concisely communicate in English in written and spoken form.

If you are interested in this PhD position, please send your application to Petra Isenberg (petra.isenberg@inria.fr) and Jean-Daniel Fekete (jean-daniel.fekete@inria.fr). To apply for the position provide a CV detailing your past experience as well as a motivation letter that described why you are interested in this position in particular.

**Avantages**

- Subsidized meals
- Partial reimbursement of public transport costs
- Leave: 7 weeks of annual leave + 10 extra days off due to RTT (statutory reduction in working hours) + possibility of exceptional leave (sick children, moving home, etc.)
- Possibility of teleworking (after 6 months of employment) and flexible organization of working hours
- Professional equipment available (videoconferencing, loan of computer equipment, etc.)
- Social, cultural and sports events and activities
- Access to vocational training
- Social security coverage

**Rémunération**

Monthly gross salary: 1,982 euros (1st and 2nd year), 2,085 euros (3rd year)