



## Searching for PhD students to work on Freeform User Interfaces

Supervised by Dr. Serrano (IRIT Lab, Elipse group, Uni. of Toulouse, France) and Dr. Roudaut (Bristol Interaction Group, Uni. of Bristol, UK)

3 years starting Sept. 2020

Application deadline February 28th 2020, we will help with filling up the application

If interested, send your CV, transcript, references and a motivation letter to [Marcos.Serrano@irit.fr](mailto:Marcos.Serrano@irit.fr)

# WANTED: OUTSTANDING STUDENT TO APPLY TO A PHD SCHOLARSHIP

Looking for an excellent master student to apply to a selective PhD position on the topic of freeform interfaces.

### Topic

Rectangular screens have dominated the display industry for decades but is slowly giving room to a future in which devices and their displays may take any arbitrary shape. For example, it is now possible to manufacture displays with 2D shape, and circular displays are already available on many smartwatches (e.g. the Motorola M360). Devices with such non-traditional

displays are commonly referred to as Freeform devices, as they can assume any non-planar and non-rectilinear shape. With this fundamental technological change in how devices can be constructed, the looming question that arises for interaction designers includes how to integrate and take advantage of the non-rectilinearity of such interactive devices that may soon become common. his PhD addresses a new research question: how to best design and interact with freeform devices. This research project will

contribute to the development of a theoretical framework and of interaction solutions to facilitate the adoption of freeform devices.

### Profile

The candidate should have a Master degree in computer science, background in Human-Computer Interaction, and knowledge on graphical user interfaces (GUI) libraries. We are looking for highly motivated candidates with excellent programming skills, critical thinking, team working skills and initiative.

### PhD environment

The PhD will take place at the Institut de Recherche en Informatique de Toulouse (IRIT), at Toulouse (France). Toulouse is the capital city of the Occitanie region, the fourth-largest city in France and the centre of the European aerospace industry. Toulouse is a thrilling place to live, often ranked among the most dynamic french cities. The PhD will be conducted in collaboration with the University of Bristol (UK).