

**Fairness by Explanations**  
**in Algorithmic Decision Making**  
*Full funded PhD, CNRS, LAMSADE, IRISSO*  
*Université Paris Dauphine, PSL*

We offer a PhD contract for three years, funded by the CNRS Interdisciplinary Mission for brilliant students holding a MSc in Computer Science (or near disciplines) open minded to the social sciences and to interdisciplinary challenges (a degree or a course in social sciences will be appropriately appreciated).

The topic concerns the study of autonomous artifacts design with enhanced decision autonomy, satisfying some notion of “fairness”. However, instead of considering fairness as an “objective” property, related to a resource allocation norm, we prefer study this notion as a subjectively defined necessity by one or more stakeholders of the decision process to which the autonomous artifact is related. Under such a perspective we consider as component of such types of fairness the satisfaction of explicability, interpretability and accountability requirements.

The PhD student will be enrolled with the Doctoral School of Université Paris Dauphine, PSL, and the research will be carried within the LAMSADE (<https://www.lamsade.dauphine.fr>; the Computer Science Laboratory of the University) in cooperation with IRISSO (<https://www.irisso.dauphine.fr>; the Social Sciences Laboratory of the University). Motivated students can inquire or apply writing to Alexis Tsoukiàs ([tsoukias@lamsade.dauphine.fr](mailto:tsoukias@lamsade.dauphine.fr)). Applications should include a full CV, an academic record and a short research statement about the topic.