



POLITÉCNICA

Call for PhD: data science and air transport safety

Innaxis and UPM are pleased to announce an open position for a PhD student, in a collaboration between The Innaxis Foundation & Research Institute (www.innaxis.org) and the Computer Science School of the Technical University of Madrid (UPM). We are seeking a creative and motivated student for a full-time, 3-year PhD programme. The scope will be the development of novel data-based approaches for the characterisation and prediction of safety events in air transport. The student will be supervised by Dr. Massimiliano Zanin, Principal Researcher at Innaxis, and Dr. Antonio LaTorre, Assistant Professor at UPM.

A strong background in advanced statistics and mathematics or data mining and KDD is required. Furthermore, affinity with air transport and complex systems' physics (e.g., complex networks, self-organised criticality), while not essential, will be positively evaluated. The prospective candidate must be able to enroll in the PhD program of UPM; be proficient in English; show interest in scientific work; have good presentation skills, availability to travel, and willingness to present scientific work at international conferences. No knowledge of particular programming languages is required, but Python or C / C++ are preferred.

The interview process will be in English and a good written and spoken command is needed.

The successful applicant will work in an attractive and creative international environment within an excellent research team, and with a competitive salary.

Please send your application including CV, list of publications, one or two related publications (if available) and any other material you consider relevant, via email to: innovation@innaxis.org.

If you have any further questions, please feel free to send a message to Dr. Zanin at mzanin@innaxis.org.

The Innaxis Foundation and Research Institute and UPM