

Pauline TRANCHARD got her Master's degree in 2011 in Thermal and Energy Sciences at the Engineering school "Ecole Polytechnique de l'Université de Nantes". She has worked in the Fire Safety Branch of the Thermal team of Airbus Compagny since 2011 as thermal research engineer. She has contributed to the Thermal team mission in particular the thermal risks to work on the project "Composite in fire". She continued her research starting a PhD thesis with Airbus thermal team in collaboration with the R2Fire group of the University of Lille as part of an industrial research agreement (CIFRE). She developed a test bench completely instrumented to understand the behaviour of composite when submitted to fire, developed methodologies to characterise thermo-physical properties at high temperature and developed a 3D model to get the thermophysical behaviour of aeronautical composite laminates in fire. She got her PhD in 2015 untitled "Modelling the behaviour of a carbon/epoxy composite submitted to fire" and then joined the R2Fire group as researcher.

Pauline is responsible for developing new characterisation methodologies and modelling materials for understanding their fire behaviour. Detailed information about her accomplishment and her research is available at <https://www.linkedin.com/in/pauline-tranchard-4430847a>.