

# Dr. Pierre-Olivier Santacreu

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PhD in Solid Mechanics from Ecole Polytechnique & Engineer in Material Science from ESEM.

In charge of Stainless Steel Solution Department at Aperam Research Center, Isbergues , France since 2000, dealing with Forming, In-Use Properties and Design of Stainless Steels Parts. Responsible of the R&D Automotive portfolio at Aperam. Before 2000, research engineer in metallurgy on development of stabilized ferritic stainless steels for automotive exhaust application- Also resident engineer at Faurecia during 3 years.

## Research Activities

- Metallurgy of stainless steel for high temperature applications
- Fatigue, Fracture and Crash mechanical properties
- About 60 papers in conference or journals and 5 patents
- Member of 3 scientific associations: French society of material and metallurgy **SF2M** (in scientific committee of "Journées de Printemps" JP 2015, Paris), American Society of Automotive Engineers **SAE** (Reviewer at Fatigue modeling/ testing & CAE Durability Analysis committee) et French society of Automotive engineer **SIA**.