Sarah GAYOT (FR) - PhD student

Research interest: thick thermoplastic polymer composites for structural applications

Fields: multiscale mechanics of polymers, thermochemical modelling, X-ray computed tomography, liquid composite moulding

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My CV in short

2018-2023	Industrial PhD at Institute of Mechanics, Materials & Civil Engineering (iMMC), UCLouvain, Belgium, funding by Arkema Inc. Supervisors: Pr. T. Pardoen and Pr. C. Bailly (UCLouvain), Dr. P. Gérard (Arkema)
2018	Intern in haircare research at L'Oréal Paris, France – 6 months
2016-2018	Master's degree in Chemistry, with major in Polymer Science and Engineering Université de Lille 1, France
2016-2017	Technical student at CERN (European Org. for Nuclear Research), Switzerland – 1 year

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Publications

Gayot SF, Bailly C, Pardoen T, Gérard P, Van Loock F, Processing maps based on polymerization modelling of thick methacrylic laminates. *Materials and Design* 2020;196:109170.

Pardoen T, Klavzer N, Gayot SF, Van Loock F, Chevalier J, Morelle X, et al. Nanomechanics serving polymer-based composite research. *Comptes-Rendus de Physique* 2021;22:1–22.

Klavzer N and Gayot SF, Coulombier M, Nysten B, Pardoen T, Nanoscale digital image correlation at elementary fibre/matrix level in polymer–based composites, 2022, *Under submission*

Awards

2010	Finalist of French selection for 42nd International Chemistry Olympics
2009	Laureate of 35th French National Chemistry Olympics