## ESTIMATING THE SIZE DISTRIBUTION OF THE FIBER/MATRIX INTERFACE CRACK IN MICROSTRUCTURAL MODELS OF UD AND CROSS-PLY LAMINATES BY A LINEAR ELASTIC FRACTURE MECHANICS APPROACH

Luca Di Stasio<sup>1,2,\*</sup>, Janis Varna<sup>2</sup>, Zoubir Ayadi<sup>1</sup>

<sup>1</sup> Université de Lorraine, EEIGM, IJL, 6 Rue Bastien Lepage, F-54010 Nancy, France
<sup>2</sup> Luleå University of Technology, University Campus, SE-97187 Luleå, Sweden
\* luca.di.stasio@ltu.se

The recent interest in *thin-ply* laminates for advanced applications [1] has led to a renewed attention to the understanding of transverse cracks onset.



Figure 1. The former cloister of the convent of St. Domènec, which is the venue of this conference.

Authors should upload the abstract via the website composites 2019.udg.edu no later than **January 17, 2019**.

## References

[1] A. Kopp, S. Stappert, D. Mattsson, K. Olofsson, E. Marklund, G. Kurth, E. Mooij and Evelyne Roorda (2017) *The Aurora space launcher concept. CEAS Space Journal*, **10**(2), 167–187.