

Publications

Dernières publications

- **Electromagnetic field propagation in a composite laminate and induced thermal field. Application to microwave composites processing.**

A. Barasinski, C. Ghnatios, S. Bechtel, E. Abenius, F. Chinesta

International Journal of Material Forming, 2020, doi : [10.1007/s12289-020-01562-z](https://doi.org/10.1007/s12289-020-01562-z) | 

- **On the effective conductivity and the apparent viscosity of a thin rough polymer interface using PGD-based separated representations.**

A. Ammar, C. Ghnatios, F. Delplace, A. Barasinski, J.L. Duval, E. Cueto, F. Chinesta

International Journal for Numerical Methods in Engineering, Vol 121 pp 5256-5274. doi : [10.1002/nme.6448](https://doi.org/10.1002/nme.6448) | 

- **Tape Surfaces Characterization with Persistence Images.**

Frahi, C. Argerich, M. Yun, A. Falco, A. Barasinski, F. Chinesta

AIMS Materials Science, 2020, Vol 7 (4), pp 364-380. doi : [10.3934/matersci.2020.4.364](https://doi.org/10.3934/matersci.2020.4.364) | 

- **Empowering Design Based on Hybrid Twin TM : Application to Acoustic Resonators.**

Argerich, A. Carazo-Mendez, O. Sainges, E. Petiot, A. Barasinski, M. Piana, L. Ratier, F. Chinesta.

Designs, Vol 4 (4), pp 44. doi : [10.3390/designs4040044](https://doi.org/10.3390/designs4040044) | 

Publications antérieures à la chaire sur le même sujet :

- **Multi-scale modeling and simulation of ATP : Effects of material and process parameters on in-situ consolidation**

Angel Leon · Clara Argerich · Anais Barasinski · Eric Soccarr · Francisco Chinesta

International Journal of Material Forming, 2019, 12(4), 491-503

- **Sensitivity thermal analysis in the laser-assisted tape placement process**

Perez, A. Barasinski, B. Courtemanche, C. Ghnatios, F. Chinesta

AIMS Materials Science, 2018, 5(6): 1053-1072. doi: [10.3934/matersci.2018.6.1053](https://doi.org/10.3934/matersci.2018.6.1053) | 

- **Tape Surface Characterization and Classification in Automated Tape Placement Processability : Modeling and numerical analysis.**

Clara Argerich · Ruben Ibanez · Angel Leon · Anais Barasinski · Emmanuelle Abisset-Chavanne · Francisco Chinesta

AIMS Materials Science, 2018, 5(5): 870-888. doi: [10.3934/matersci.2018.5.870](https://doi.org/10.3934/matersci.2018.5.870) | 

- **Multi-scale Modeling and Simulation of Thermoplastic Automated Tape Placement : Effects of Metallic Particles Reinforcement on Part Consolidation**

Angel Leon · Marta Perez · Anais Barasinski · Emmanuelle Abisset-Chavanne. Brigitte Defoort · Francisco Chinesta

Nanomaterials, 2019, 9, 695. doi: [10.3390/nano9050695](https://doi.org/10.3390/nano9050695) | 

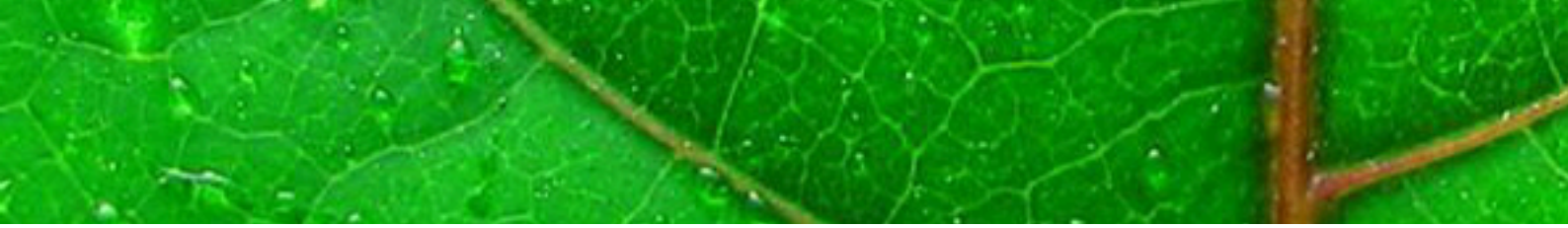
- **Code2vect: An efficient heterogenous data classifier and nonlinear regression technique**

CA Martin, RI Pinillo, A Barasinski, F Chinesta

Comptes Rendus Mécanique 347 (11), 754-761, 2019

Conférences :

- **Towards Advanced Thermoplastic Composites with Low Hydrogen Permeability**



Bernatas, T.Savart, A.Barasinski

Journées GFP Sud-Ouest - 18-19March2021

- **Thermoplastic Prepreg Tapes : topographic features and associated compressing propertie**

Kobeissi, A. Ammar, F. Chinesta, A. Barasinski

JNC22 - June2021

- **Hydrogen permeability of thermoplastic and thermoplastic composite as material for type IV and V hydrogen storage tank**

Bernatas, T.Savart, A.Barasinski

JNC22 - June2021