

Journal publications of the SMS project

1. N. Simiriotis, G. Jodin, A. Marouf, P. Elyakime, Y. Hoarau, J.C. Hunt, J.F. Rouchon, M. Braza, “Morphing of a supercritical wing by means of trailing edge deformation and vibration at high Reynolds numbers: experimental and numerical investigation”, *J. Fluids & Structures*, **91**, 2019
<https://doi.org/10.1016/j.jfluidstructs.2019.06.016>
2. J.-B. Tô, N. Simiriotis, A. Marouf, D. Szubert, I. Asproulias, D.M. Zilli, Y. Hoarau, J.C.R. Hunt, M. Braza « Effects of vibrating and deformed trailing edge of a morphing supercritical airfoil in transonic regime by numerical simulation at high Reynolds number », *Journal of Fluids & Structures*, 2019, **91**,
<https://doi.org/10.1016/j.jfluidstructs.2019.02.011>
3. A. Marouf, Y. Bmegaptche, N. Simiriotis, J.-B. Tô, J. Rouchon, Y. Hoarau, M. Braza, “Numerical investigation of frequency-amplitude effects of dynamic morphing for a high-lift configuration at high Reynolds number”, *International Journal of Numerical Methods for Heat and Fluid Flow*, 2019, doi:<https://doi.org/10.1108/HFF-07-2019-0559>.
4. G. Jodin, Y. Bmegaptche -Tekap, J.M. Saucray, J.F. Rouchon, M. Triantafyllou, M. Braza, “Optimized design of real-scale A320 morphing high-lift flap with shape memory alloys and innovative skin”, *Smart Materials and Structures*, **27**, N° 11, 2018.
5. G. Jodin, V. Motta, J. Scheller, E. Duhayon, C. Döll, J.F. Rouchon, M. Braza, (2017) « Dynamics of a hybrid morphing wing with active open loop vibrating trailing edge by time-resolved PIV and force measures », *Journal of Fluids and Structures*, **74**, pp. 263-290.