A Postdoctoral Research Associate position is available at the ETH Zurich in the Chair of Complex Materials in the area of shape programmable materials for morphing of aerospace structures. The position will be conducted in a highly collaborative and interdisciplinary environment in close cooperation with the School of Mechanical Engineering at Purdue University. The candidate should have a Ph.D. in Aerospace/Mechanical Engineering or closely related area(s), with a strong background in nonlinear finite element analysis, lightweight structures and aeroelasticity. Previous experience with 3-D printing processes and material science will be advantageous and applicants with such background are encouraged to apply. Strong oral and written communication skills are essential, as evidenced by refereed journal publications and conference presentations. Availability to travel between Switzerland and the US is required, for which US or citizens of countries under the US visa waiver program are encourage to apply. The project starting date is January 15th.

Please send detailed curriculum vitae, brief statements of research interests and experience, names and complete contact information of three professional references to Professor André Studart at andre.studart@mat.ethz.ch or Professor Andres Arrieta at aarrieta@purdue.edu. Please clearly explain the details of your nonlinear FE modelling and aeroelasticity experiences, including development of in-house codes and/or working with commercial codes (e.g. Xfoil, Abaqus, etc.).