

Postdoc Positions in Design Optimization of Multi-scale Systems

Aerospace Engineering Sciences, CU Boulder

Applications are invited for two postdoctoral positions available immediately in the Aerospace Engineering Sciences Department at the University of Colorado, Boulder.

The appointees will conduct fundamental research in the area of (topology) optimization of multi-scale systems under uncertainty. Applicants must have a Ph.D. in areas related to computational mechanics/mathematics. Preference will be given to applicants with strong background in multi-scale modeling as well as familiarity with topology optimization, level set methods, and/or uncertainty quantification techniques. Knowledge of C++ is expected; experience with developing C++ software in teams is welcome.

The positions are for the duration of one year with the possibility of extension to three years. The appointees will be working with Profs. Kurt Maute and Alireza Doostan, and will participate in research activities of the Optimization and Uncertainty Quantification groups within the Aerospace Engineering Sciences Department at the University of Colorado, Boulder.

The interested candidates should submit a CV, a brief (max one page) statement of research interests, and contact information of two references to Prof. Maute (maute@colorado.edu). Questions may be directed to Prof. Maute.