

Research Associate (Postdoc) in Reduced Order Modelling for Urban Wind Flow Application

With acceleration of population growth and increasing urbanization, the standard archetype of a building being used as a shelter only, needs to move forward to energy self-sufficient building. DATA4WIND project presents a solution in achieving this vision faster by relying on the urban wind power utilization. The goal of the DATA4WIND project is to assure reliable prediction of aerodynamic information on local wind flow patterns essential for urban wind power utilization introducing new approaches. One approach is based on hybrid data assimilated platform and its strategy enabling synergy between computational and experimental wind engineering. An additional track of DATA4WIND project concerns with the development of computationally less demanding approach using reduced modelling techniques that satisfy the main prerequisite - sufficient accuracy of numerical predictions.

For more details, please check <http://emea3.mrted.ly/2odk6>

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