

Pooyan Dadvand

Dr. Pooyan Dadvand is Civil Engineer and holds a PhD in Numerical Methods by the Technical University of Catalonia (UPC). He works as researcher in CIMNE, associated professor in UPC and research leader in Quantech ATZ. He is one of the key authors of the Kratos Multiphysics analysis code which is an open source framework for developing high performance multi-physics program. His main research area is HPC for engineering problems and participates in NUMEXAS project which aims to push the engineering simulation toward exascale. He has strong collaboration with industry especially in field of metal forming developing simulation program. He is also actively involved in different industrial projects in field of coastal and offshore infrastructures and also in design of very lightweight structures where the wind effect is very important.