

## Journal Papers

Anand, Nikhil, Neda Ebrahimi Pour, Harald Klimach, and Sabine Roller. “Utilization of the Brinkman Penalization to Represent Geometries in a High-Order Discontinuous Galerkin Scheme on Octree Meshes”. In: *Symmetry* 11.9 (2019). ISSN: 2073-8994. DOI: 10 . 3390 / sym11091126. URL: <https://www.mdpi.com/2073-8994/11/9/1126>.

## Other Peer Reviewed Papers

Totounferoush, Amin, Neda Ebrahimi Pour, Juri Schroder, Sabine Roller, and Miriam Mehl. “A new load balancing approach for coupled multi-physics simulations”. In: *In Proceedings of IEEE International Parallel and Distributed Processing Symposium Workshops (IPDPSW)* (Rio de Janeiro, Brazil, May 20–24, 2019). 2019. DOI: 10.1109/IPDPSW.2019.00115.

Ebrahimi Pour, Neda and Sabine Roller. “Error investigation for coupled simulations using Discontinuous Galerkin method for discretisation”. In: *In Proceedings of ECCM VI / ECFD VII* (Glasgow, UK, June 11–15, 2018). 2018.

Ebrahimi Pour, Neda, Verena Krupp, Harald Klimach, and Sabine Roller. “Coupled Simulation with Two Coupling Approaches on Parallel Systems”. In: *Sustained Simulation Performance 2017*. Ed. by Michael M. Resch, Wolfgang Bez, Erich Focht, Michael Gienger, and Hiroaki Kobayashi. Springer International Publishing, 2017, pp. 151–164. DOI: 10 . 1007 / 978 - 3 - 319 - 66896 - 3 \\_ 10.