

Title: High performance computational electromagnetics

1. A new collaboration has been started between a research group in HPC at Uppsala University, Sweden with WG2 members Elisabeth Larsson and Afshin Zafari and a research group in electromagnetics at Istituto Superiore Mario Boella, Torino, Italy. A pilot implementation of a task based parallelization of a model problem has been performed and a preprint is ready.
2. A new collaboration has been started between the two partners above and an industrial partner, ESI-group, with main office in France, and a local office in Sweden. Afshin Zafari received an internal grant to work six months with the algorithms used in the company.
3. Other consortium members, particularly WG2, have discussed and read about the problem and are preparing ideas for how to address it in alternative ways.