**UCD - Using Computers to Design Distributed Algorithms**

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**Job description:** We use computational methods to design and analyse novel distributed and parallel algorithms. Often, algorithm design can be divided in two parts: the "base case" (designing an algorithm for small inputs) and "generalisation" (given the algorithm for small inputs, design an algorithm for the general case). We can use computers to solve the base case, and let human beings generalise the algorithms. Your job is mainly focused on the computational part; this is a job for an experienced programmer who is not afraid of writing code that solves computationally hard problems. Knowledge of discrete mathematics (especially graph theory) will help. For more information on our research, see [http://research.ics.aalto.fi/da/](http://research.ics.aalto.fi/da/)