

Doctoral Positions at the German Research School for Simulation Sciences

Institution

The German Research School for Simulation Sciences is a joint venture of Forschungszentrum Jülich and RWTH Aachen University. It combines, for the first time in Germany, resources of a research center and a university in a research school.

Our mission is to conduct excellent research and provide excellent education in this important interdisciplinary field. We offer programs for both Master's and doctoral students. Studies include all subjects relevant for simulation on high-performance computers ranging from the disciplinary sciences like physics, chemistry, or biology, to the interdisciplinary fields of numerics and computer science.

About 40 research groups and institutes in Aachen and Jülich are currently involved in research with intensive use of computer simulation techniques. All research groups have access to the most advanced computing equipment like massively parallel supercomputers or advanced visualization methods.

The German Research School for Simulation Sciences cooperates closely with other computational engineering activities in Aachen, including the graduate school AICES and MSc CES.

Position

The German Research School for Simulation Sciences provides up to 50 doctoral positions for highly qualified graduate students. The doctoral work is expected to take about three years, including the writing of the thesis. Candidates will be funded during this time at a level competitive with other leading doctoral programs. They are expected to contribute a limited amount of time to educational activities.

Responsibilities

The doctoral program of the German Research School for Simulation Sciences is intended to give excellent graduate students from all over the world the opportunity to participate in strongly-interdisciplinary research in the fast-evolving field of simulation sciences. The everyday language is English.

The doctoral research can be carried out at any of the diverse research groups of RWTH Aachen University and Forschungszentrum Jülich associated with the school. Four additional research groups will be established at the German Research School for Simulation Sciences in 2009.

Requirements

Applicants should have a Master's degree (or equivalent) in engineering or in natural sciences, with grades significantly above average. Previous experience in computer simulation methods and evidence of English-language skills are required.

The high qualification of the applicant must be confirmed by three referees.

Application procedure

Applications can be sent at any time. For information on the application procedure, please see our webpage www.grs-sim.de.

Contact

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