

The Center for Energy Systems at the Skolkovo Institute of Science and Technology (Skoltech) in Moscow, invites applications for research positions in the frame of the Skoltech-MIT joint research project [“Integration and control of heat and power systems with variable loads”](#). This interdisciplinary project involves a broad range of activities including new approaches to modeling and optimization of combined cooling heat power systems, integration of “Internet of Things” sensor data streams in the next generation smart building control systems and others. The successful applicants will be responsible for the project research activities, as well as presenting the results at international conferences and publishing in international peer-reviewed journals. It is also required that the postdoctoral researchers take an active part in the co-supervision of Skoltech Master Students.

Suitable applicants are expected to have documented expertise or strong interests in at least one of the following areas:

- Physical modeling of engineering systems, especially in thermal physics
- Power systems analysis and control, especially dynamics and operation
- Modern optimization techniques, especially in nonlinear programming and MILP
- Machine learning and data analysis, especially time series feature extraction and forecasting

Vacancies are available for two types of positions:

- Junior Research Scientist (MS or equivalent degree)
- Research Scientist (PhD or equivalent degree)

The salary is commensurate with experience, qualifications and previous publication record. Benefits include a housing allowance in case relocation to Moscow will be needed and medical insurance. Excellent travel and computing support will be provided.

Candidates should send their academic CVs to Prof. Aldo Bischi [a.bischi@skoltech.ru](mailto:a.bischi@skoltech.ru) and/or Prof. Elena Gryazina [e.gryazina@skoltech.ru](mailto:e.gryazina@skoltech.ru)