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CONDENSED MATTER THEORISTS

D-Wave is seeking Condensed Matter Theorists. The Condensed Matter Theorists will be responsible for solving problems arising in the design, simulation and operation of the world's most advanced superconducting quantum computer processors.

These positions require demonstrated aptitude in the creation and analysis of models of many-body phenomena in complex open quantum systems. Experience with superconducting circuits, adiabatic quantum computation, and quantum devices in open quantum systems is preferred but not required.

The successful candidates will work closely with the Testing & Analysis and Theory groups on design and modeling of experiments, analysis of data obtained from operation of quantum computing systems, and design and implementation of adiabatic quantum algorithms. The position requires that the Condensed Matter Theorists solve difficult problems in a high pressure, time-sensitive environment.

Required Qualifications:

- Ph.D. in condensed matter physics or equivalent
- Demonstrated aptitude in the creation and analysis of models of many-body phenomena in complex open quantum systems
- Highly motivated to study complex many-body physics problems arising in the analysis of practical quantum computing systems
- Creative, energetic, self-motivated individual who can work effectively as part of an interdisciplinary team
- Able to work in a high pressure, time-sensitive environment on a wide variety of problems

Desired Qualifications:

- Excellent communication skills
- Experience working in industry
- Experience working with superconducting circuits, quantum devices in open quantum systems and/or adiabatic quantum computation

Interested applicants should send a resume including references to cmttheory2008@dwavesys.com.