

September 21, 2020

Re: Job Opportunity for Full-Time Mechanical Engineer

Transport Phenomena Technologies, LLC (TPT) was spun out of the Department of Mechanical Engineering at Tufts University (Medford, MA) in the Fall of 2017 by its co-founders, Dr. Georgios Karamanis and Professor Marc Hodes. We are located at Greentown Labs (Somerville, MA), the largest climatetech incubator in North America. Our primary focus is the development of products for the enhanced thermal management of electronics, specifically a heat sink optimization platform (HSOP) and compliant vapor chambers (CVCs). We are also collaborating with Helios Applied Science (Hyde Park, MA) on the development of a new class of extremely portable, deployable structures for applications including military and humanitarian disaster scenarios. Additionally, we provide consulting services to industrial clients on fluid mechanics and heat/mass transfer problems, and, more broadly, problems related to Mechanical & Electrical Engineering in general. Finally, we provide expert advice to law firms specializing in intellectual property. Our work is funded by industrial clients and various Small Business Innovation Research (SBIR) grants at the federal level, and the Massachusetts Clean Energy Center.

We have an opening for a full-time engineer. Candidates with the following qualifications are encouraged to apply to work at TPT:

- Minimum degree of BS in Mechanical Engineering or related field; MS degree and/or industrial experience and/or a business degree/background are helpful, but not essential.
- Familiarity with fundamental aspects of fluid mechanics and heat transfer.
- Ability to rigorously perform laboratory experiments and numerical simulations with a significant degree of independence.
- Willingness to take on diverse and evolving roles required at a start-up company, e.g., assist customer discovery commercialization activities, proposal preparation, technical writing, etc.

Interested candidates should apply by sending a cover letter, CV and two professional references to Dr. Georgios Karamanis at georgios.karamanis@tptechcorp.com.