

SLIPS Technologies, Inc.

Job Title: Senior Coatings Engineer

Background

SLIPS Technologies, Inc. is a high tech venture-funded startup developing fully-slippery materials and coatings that solve sticky surface problems in industrial, medical, and consumer applications. Our unique, highly repellent surfaces can be created on any material to repel virtually all fluids and biological fouling agents. We are looking for a smart, entrepreneurial, and motivated engineer with experience applying coating materials in a broad range of industrial applications to advance commercial development efforts of SLIPS™.

Job Description

In a dynamic, exciting, and fast paced startup environment, the Senior Coatings Engineer will lead the development of applying, testing, packaging, and delivering a wide range of custom SLIPS™ formulations to our customers. The engineer will provide company-wide input in design and fabrication of coating equipment, development and implementation of test protocols for finished coatings, and participate in testing of SLIPS™ enabled prototypes on the bench and in customer driven application projects. The engineer will closely interact with the company R&D team and CMOs to address scale-up and in/out-sourcing necessary processes and equipment. The engineer will also closely interact with member of the business development team and with customers to help with the company's commercialization efforts.

Responsibilities

- Adopt and modify conventional coating methods and equipment for custom SLIPS formulations
- Design and implement one-of-a-kind coating equipment for SLIPS formulations
- Develop and execute characterization assays to evaluate new SLIPS materials and coatings
- Design and prototype fixtures, bench models and test rigs to advance company technical objectives
- Provide companywide leadership in understanding of coatings and general fluid handling
- Serve as a technical point of contact for clients and partners
- Mentor and oversee company co-ops and new technical staff

Qualifications

- BS/MS in mechanical engineering, chemical engineering, electrical engineering, or related fields
- At least 5 years of industrial experience in coatings industry with coating and/or liquid handling equipment
- Experience in characterizing coatings/thin films (e.g. wetting and adhesion, wear and abrasion, film thickness, drying and curing behavior, rheology, surface imaging and spectroscopy, bulk mechanical properties, optical)
- Strong experience with custom design and rapid prototyping tools such as Solidworks, machining tools, 3D printing, and programming languages and control systems
- Knowledge of fluid mechanics and mechanical properties of materials
- Proven ability to work on multiple projects simultaneously, prioritize assignments and adapt in a fast-paced, small-company environment
- Team player who enjoys working in a highly dynamic and cross-disciplinary environment
- Strong interpersonal and communication skills

Interested candidates should contact careers@slipstechnologies.com