THE UNIVERSITY OF MAINE
School of Forest Resources

Graduate Assistantship at the School of Forest Resources, University of Maine

A graduate research assistantship is available at the School of Forest Resources (SFR), the University of Maine in the area of wood plastic composites for large-scale 3D printing to support one highly qualified M.Sc. or Ph.D. student to start in Spring (preferred), Summer or Fall 2020. This project will focus on 3D printing wood/cellulose (nano)fiber reinforced petroleum/biodegradable polymers for large-scale molds applications. The candidate will assist/work on nanofiber drying, surface modification, compounding & 3D printing. Research will primarily be conducted at the Advanced Structures and Composites Center at UMaine.

Qualifications: Students with a background in one of the following disciplines are encouraged to apply: Wood science or Forest Products, Materials Science, Polymer Science, Mechanical/Civil Engineering, Chemistry, etc.. The ideal candidate is expected to have knowledge in fiber-reinforced-polymer composites formulation and manufacturing. Additional requirements include being a team player, highly self-motivated, independent thinking and excellent written and communication skills. Graduate school requires GRE scores. International students should also provide TOEFL scores (min 80) or equivalent.

Assistantship: An annual stipend (about $25,000) paid in 12 monthly installments plus half the Annual Health Insurance fee and full tuition waiver (up to 9 credits per semester) will be provided for an expected 20 hours per week appointment.

About the University of Maine School of Forest Resources: With almost 90% of the state covered by forest, forest resources are central to Maine's quality of life and economy. The SFR provides essential forestry education and research and is a signature area of the University of Maine. Over 40 graduate students are currently enrolled in M.F., M.S., and Ph.D. programs within the SFR. The University has over 12,000 students and is the state's flagship research institution.

About the Advanced Structures and Composites Center (ASCC, https://composites.umaine.edu): The University of Maine's Advanced Structures and Composites Center is a world-leading, interdisciplinary center for research, education, and economic development encompassing material sciences, manufacturing, and engineering of composites and structures. The Center is housed in a 100,000 ft^2 ISO 17025-accredited testing laboratory with more than 150 full and part-time personnel.

How to apply: Interested candidates should apply through the graduate school of UMaine (https://umaine.edu/graduate/). Making prior contact is encouraged. Please send a copy of your CV, transcripts and TOEFL/GRE scores to Dr. Douglas Gardner at douglasg@maine.edu or Dr. Lu Wang at lu.wang@maine.edu.