

Forest Biomaterials Science and Engineering Lab – [Professor Ning Yan](#)

Openings: Multiple, please contact [Professor Ning Yan](#) for details

Description: Various projects related to:

- Nanocellulose based advanced materials, sensors, and devices
- Biomass conversion to green chemicals
- Development of novel green bio-based composites from forestry resources

These projects deal with developing environmental friendly technologies that can transform renewable biomass materials to novel green products and chemicals either as substitutes for or replacements of petroleum derived plastic and chemical products. The students involved in the projects will be exposed to interdisciplinary scientific methods and approaches, and will also be actively engaged with networks of other leading scientists, researchers and industry members in Canada in the related research areas.

Suitable candidates have strong backgrounds in materials, chemistry, engineering and/or wood science.