

# National Council for Air and Stream Improvement, Inc.

## Job Description

Position: **Senior Research Scientist – Sustainable Manufacturing**  
Reports to: Vice President, Sustainable Manufacturing & Canadian Operations  
Supervises: Support staff and contract staff as needed  
Work Week: Exempt position; 40+ hours per week to meet work demands  
Revised: December 8, 2017  
Duty Station: NCASI West Coast Regional Center strongly preferred (either Corvallis, OR Office or Anacortes, WA Office)

### Essential Job Functions:

1. As a contributor to NCASI's Sustainable Manufacturing Technical Studies Program research projects, primary responsibilities include:
  - executing research activities and technical project work that is topically relevant, scientifically credible, cost-effective, and marked by a significant level of self-direction
  - coordinating, executing, and reporting technical studies on schedule and within budget
  - effectively and efficiently directing the work of support staff and/or contract staff
  - representing NCASI in the development and execution of collaborative research projects with universities, agencies, and other organizations
  - recommending to the Vice President, Sustainable Manufacturing & Canadian Operations additional research projects which serve the needs of NCASI members
  - preparing timely and original technical reports, journal articles, and other written communications, meeting the highest standards of quality and scientific objectivity
  - presenting research findings verbally at NCASI and other meetings and conferences
  - having the ability to read, absorb, process, and communicate complex information, in English
  - having the ability to get to and work from one of the NCASI offices listed above
  - having the physical capability of carrying out sampling and other study activities at field sites
  - following all safety procedures, and wearing safety equipment required at field study locations, including those dictated by local authorities
2. As an industry expert in their area of expertise related to environmental and/or sustainability research, maintain knowledge of current issues and technical advances

through review of current literature, participate in appropriate professional society conferences, and communicate with leading researchers and regulatory personnel involved in this field.

3. As a resource on relevant environmental regulations, maintain knowledge of existing and forthcoming federal and state environmental regulations and policy decisions, participating in industry organization meetings as needed.
4. As a contact providing technical support to industry:
  - respond to technical and scientific queries from member companies and industry organizations in a clear, competent and timely manner, striving for delivery of initial responses to member-specific questions within one working day
  - use critical and integrative thinking skills to identify innovative and practical solutions to member company challenges
  - maintain a current understanding of industry issues, including basic knowledge of environment issues outside primary area of expertise
  - maintain knowledge of NCASI's overall technical studies program, including familiarity with staff skill sets relevant for solving member issues
5. As a NCASI representative at internal and external conferences, meetings, and off-site visits:
  - present scientifically-sound, credible technical information, and objectively evaluate the potential utility of that information for environmental management decision-making
  - foster relationships with current member companies as well as with potential new member companies
  - conduct all activities in a professional manner
6. As a staff member of NCASI:
  - act in a manner that is honest and respectful of co-workers, exhibiting a strong sense of integrity and candor
  - undertake research and technical studies in collaboration with other NCASI staff, as appropriate, in a manner that fosters a strong team-based environment that is founded on sharing and learning knowledge from others
  - assist in development of science-based communication vehicles to convey the results and value of NCASI research to members and other stakeholders
  - develop general knowledge of forest environmental issues, to identify potential synergies between manufacturing- and forestry-related NCASI program areas
  - help develop relationships with non-member companies and other stakeholders in a manner that will assist in furthering the NCASI brand and value proposition

### **Additional Responsibilities:**

1. Undertake additional activities as assigned by the Vice President, Sustainable Manufacturing & Canadian Operations

### **Minimum Qualifications:**

1. Doctoral degree in chemical engineering or closely-related field (preferred); or
2. Master's degree in chemical engineering or closely-related field, and five or more years of experience
3. Familiarity with LCA
4. Excellent communication skills

### **Additional Preferred Qualifications:**

1. Familiarity with greenhouse gas quantification and carbon footprinting
2. Familiarity with other sustainability tools and concepts (e.g., environmental management systems, sustainability reporting, circular economy, etc.)
3. Knowledge of the pulp and paper/wood products manufacturing industries
4. Project management skills and experience
5. Demonstrated ability to articulate research needs oriented towards the practical needs of industry, and the ability to convert those needs into the development of clear, objective hypotheses for candidate projects to meet those needs
6. Demonstrated ability to achieve results through collaboration with, and respect for, co-workers and funding partners
7. Ability to successfully manage multiple priorities

### **To apply, please submit your résumé to:**

Kirsten Vice  
Vice President, Sustainable Manufacturing & Canadian Operations  
NCASI  
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Suite 1800  
Montreal, QC H3A 2R7  
[kvice@ncasi.org](mailto:kvice@ncasi.org)

**Review of applications will begin on January 31, 2018 and continue until the position is filled.**