Center for Bioplastics and Biocomposites

Bringing **INDUSTRY** and **UNIVERSITIES** together to develop new products and technologies

NDSU NORTH DAKOTA STATE UNIVERSITY

IOWA STATE UNIVERSITY

NSF

UNIVERSITY OF GEORGIA

WASHINGTON STATE UNIVERSITY

A National Science Foundation Industry & University Cooperative Research Center

SCAN ME

NSF INDUSTRY & UNIVERSITY COOPERATIVE RESEARCH CENTER

The Center for Bioplastics and Biocomposites (CB^2) is a National Science Foundation Industry & University Cooperative Research Center (I/UCRC) that brings together industry partners and university researchers who have a common interest in biobased plastics and composites.

For over 30 years, the NSF I/UCRC program has helped build partnerships between industry, universities and policymakers. An I/UCRC center is primarily supported by industry members to conduct industry-relevant research.

RESEARCH THROUGH COLLABORATION

University researchers and 29 industry members join forces to push the boundaries of renewable resources and establish new revenue creating processes and products.

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PROFILE AND CAPABILITIES

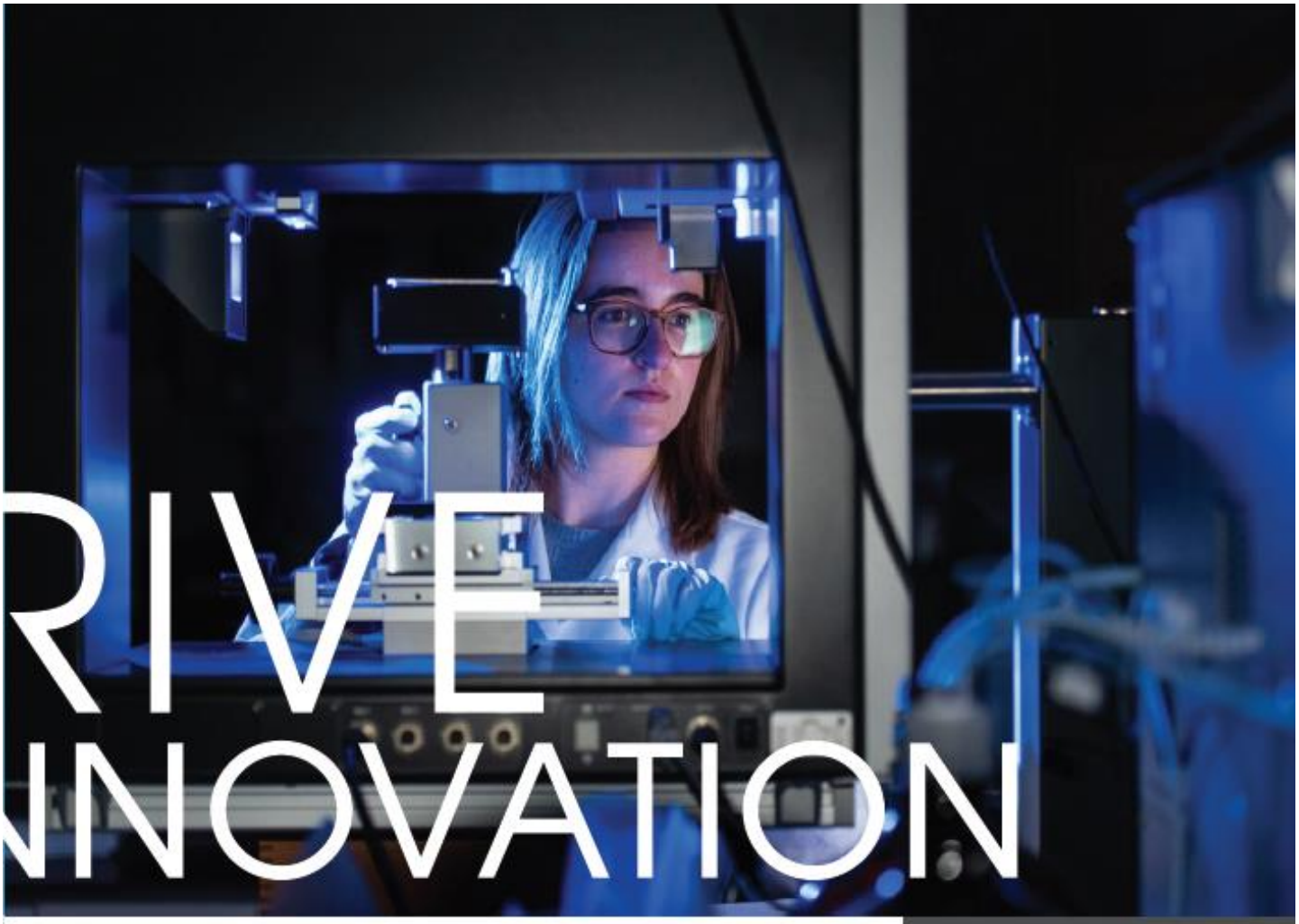
CB^2 is developing the knowledge that will allow the production of high-value products from agricultural and forestry feedstocks, including plastics, coatings, adhesives and composites, that are compatible with current industrial manufacturing systems.

CB^2 is a collaborative effort by Iowa State University and Washington State University. These universities provide significant expertise in feedstock production, polymer processing and natural fiber polymer composites.

RESEARCH AREAS

CB^2 is focused on six research areas that will promote industry-wide acceptance of bioplastics and biocomposites and increase the use of sustainable materials:

- Synthesis and Compounding
- Processing
- Biocomposites
- Biobased Products
- Modeling
- Commercialization



COMPANIES, COMMODITY BOARDS AND OTHER ORGANIZATIONS ARE INVITED TO JOIN

Organizations interested in sustainable materials and the market introduction of economically viable biobased plastic and composite products are encouraged to join and provide direction to this substantial pool of fundamental science and applied technology.

Becoming a member has many advantages including leveraging research efforts through the center's projects and access to technologies developed by the center. Membership allows organizations to vote on project selection.

MEMBER BENEFITS

- Direct research projects and mentor ongoing projects
- Leverage research funds
- Early access to intellectual property and publications
- Industry networking opportunities
- Access to world-class facilities and researchers
- Recruit researchers trained in the bioplastics and biocomposites field
- Membership is a fraction of a full-time employee
- Reduced overhead costs on projects

MEMBERSHIP FEE

The annual membership fee is based on company size:

LARGE

A company with 500 or more employees

$35,000

10 votes

SMALL

A company with less than 500 employees

$17,500

5 votes

Center for Bioplastics and Biocomposites

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Acknowledgments:

Iowa State University:
Bioeconomy Institute
Center for Biorenewable Chemicals
Center for Crops Utilization Research
Center for Industrial Research and Service
College of Agriculture and Life Science
College of Engineering
Department of Agricultural and Biosystems Engineering

State of Iowa:
Iowa Economic Development Authority

National Science Foundation

North Dakota State University:
Sustainable Materials Science
Department of Coatings and Polymeric Materials
Department of Industrial and Manufacturing Engineering
College of Science and Mathematics
Department of Mechanical Engineering
College of Engineering
Office of Research and Creative Activity

University of Georgia:
College of Engineering
New Materials Institute

Washington State University:
Composite Materials and Engineering Center
School of Mechanical and Materials Engineering
Voiland College of Engineering and Architecture

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