



CSABE-SCGAB 2026 Conference Agenda

Theme: *Bioresource to Wealth*

**July 19–22, 2026
University of Saskatchewan
Saskatoon, Saskatchewan, Canada**

CSABE AGM Saskatoon, 2026

<https://www.csbe-scgab.ca/saskatoon2026>



Saskatoon 2026
CSABE/SCGAB AGM



Sunday

July 19, 2026

Time	Event	Location / Personnel
1:00 PM – 4:00 PM	Industry Workshop #1: Soil and Crop Modeling and Simulation	Engineering Computer Lab (0D26) Dr. Roberge and Team, CNH Canada Ltd.
1:00 PM – 4:00 PM	Industry Workshop #2: Waste Valorization	Engineering Building Dr. Sonil Nanda, Dalhousie University
2:00 PM – 5:00 PM	Registration	Engineering Building
3:00 PM – 4:00 PM	Council Meeting	Engineering Building, Room 2A15
5:30 PM – 7:30 PM	Welcome Reception	Marquis Hall Gardens



Saskatoon 2026
CSABE/SCGAB AGM



Monday

July 20, 2026

Time	Event	Location / Personnel
7:00 AM – 8:00 AM	Registration and Breakfast	WPT Building
8:15 AM – 9:00 AM	Conference Inauguration	WPT 106
9:00 AM – 12:00 PM	Technical Sessions: Bioresource Utilization and Bioproducts	WPT Building, Rooms 123, 124, 125, 131, 132
12:00 PM – 1:00 PM	Lunch	WPT Building
1:00 PM – 2:00 PM	Plenary Session #1 (Bio-mass Processing & Waste Valorization)	WPT 106
2:00 PM – 5:00 PM	Technical Sessions: AI and ML in Agri-Food and Biosystems Engineering: Precision Agriculture	WPT Building, Rooms 123, 124, 125, 131, 132
6:00 PM – 8:00 PM	Networking BBQ Dinner	Diefenbaker Park, USask Campus

- A 10-minute coffee break is scheduled midway through each technical session
- Technical session presentations follow a 10 + 2 minutes format



Saskatoon 2026
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Tuesday

July 21, 2026

Time	Event	Location / Personnel
7:00 AM – 8:00 AM	Breakfast	WPT Building
8:00 AM – 12:00 PM	Technical Sessions: Food-Feed-Water-Energy Nexus	WPT Building, Rooms 106, 123, 124, 125, 132
12:00 PM – 1:00 PM	Lunch and Annual General Meeting	WPT Building
1:00 PM – 2:00 PM	Plenary Session #2 (Food and feed processing)	WPT 106
2:00 PM – 5:00 PM	Technical Sessions: Interdisciplinary Education & Outreach	WPT Building, Rooms 106, 123, 124, 131
2:00 PM – 5:00 PM	Poster Sessions; Industry Booths	WPT Building
6:00 PM – 9:00 PM	Awards Banquet	Marquis Hall, University of Saskatchewan

- A 10-minute coffee break is scheduled midway through each technical session
- Poster judging times will be announced



**Saskatoon 2026
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Wednesday

July 22, 2026

Time	Event	Location / Personnel
8:00 AM – 12:00 PM	Site Visits and Tours: CLS; POS Biosciences; CNH Industrial; SFIDC; Black Fox Distillery	Multiple off-campus and campus venues
12:00 AM – 1:00 PM	Lunch	Saskatchewan Food Industry Development Centre (SFIDC)
2:00 PM	Conference Concludes	—

- School bus transportation will be provided for all site visits and tours



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Registration Fees

Category	Early Bird (Before June 1)	Regular (After June 1)
CSABE Member	\$550	\$650
Non-member	\$650	\$750
Retiree	\$200	\$200
Student	\$200	\$300

Full Registration Benefits:

- 1) Welcome Reception
- 2) Access to all technical sessions
- 3) Access to all Plenary sessions
- 4) Breakfast, coffee, and lunches on Monday, Tuesday
- 5) Networking BBQ on Monday evening
- 6) Poster sessions and Industry booths

Additional Tickets		
Category	Early Bird (Before June 1)	Regular (After June 1)
Sunday Workshops	\$60	\$60
Awards Banquet	\$50	\$50
Wednesday Tours	\$60	\$60
Additional BBQ Ticket (Guests)	\$50	\$50
Additional Banquet Ticket (Guests)	\$80	\$80



Saskatoon 2026
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CSABE/SCGAB USASK CHAPTER

EXECUTIVE COMMITTEE MEMBERS 2026-2027

Name	Executive Role
Ganesh Meenakshi Sundaram	President
Oladimeji Azeez	Vice-President
Joy Anene-Amaechi	Secretary
Parnia Nikkhah	Treasurer
Rupesh Acharya	Social Media Manager/Communications
Roghayeh Najafi	Public Relations Officer

**Canadian Society for Agricultural and Biosystems Engineering
(CSABE)**

CSABE 2026 Annual Technical Conference

Saskatoon, Saskatchewan, Canada

July 19-22, 2026

Pre-Conference WORKSHOP # 1:

July 19, 2026

Time: 1-4 pm

Venue: USask Campus, 57 Campus Drive, Saskatoon

**Title: Introduction to Soil and Crop Modeling of Agriculture and
Construction Equipment**

ORGANIZERS:

Dr. Martin Roberge and the Team of Soil and Crop Modeling (R & D)

CNH Canada Ltd

Address: 1000, 71st Street East, Saskatoon, SK, S7P 0B5, Canada

[Email: martin.roberge@cnh.com](mailto:martin.roberge@cnh.com)

Adjunct Professor, Chemical & Biological Engineering, uSASK

Abstract:

This workshop features soil and crop modeling simulations and how they are used to accelerate the development of agricultural & construction equipment.

- Phase 1 will contain examples of applications using the following tools: Discrete-Element Method (DEM), Vehicle Dynamics (VD), Computational Fluid Dynamics (CFD), Model-Based Development (MBD), Real-Time Simulations and Digital Twin.
- Phase 2 will be a hands-on tutorial in the computer lab to show how to set up a DEM-based simulation, which will include a Physical Properties' lab measurement.

- Phase 3 will focus on the critical steps of model validation, teaching participants how to quantify precision and correlate simulated data with physical reality.

This workshop is intended for beginners / engineers in the simulation world. Attendees will gain a better understanding of the virtual engineering lifecycle, from initial model setup to field-ready verification.

Canadian Society for Agricultural and Biosystems Engineering (CSABE)

CSABE 2026 Annual Technical Conference

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Pre-Conference WORKSHOP #2:

July 19, 2026

Time: 1-4 pm

Venue: USask Campus, 57 Campus Drive, Saskatoon

Title: Advances in Bioenergy Recovery from Agricultural and Agro-Food Waste

ORGANIZERS:

Dr. Sonil Nanda

Assistant Professor

Canada Research Chair (Tier 2) in “Clean Agricultural Technology and Energy”

Department of Engineering, Faculty of Agriculture

Dalhousie University

Truro, Nova Scotia, Canada

Email: sonil.nanda@dal.ca

Dr. Ajay K. Dalai

Distinguished Professor

Former Canada Research Chair (Tier 1) in “Bio-Energy and Environmentally Friendly Chemical Processing”

Department of Chemical and Biological Engineering

University of Saskatchewan

Email: ajay.dalai@usask.ca

Dr. Venkatesh Meda

Professor and Graduate Chair (BLE)

Department of Chemical and Biological Engineering

Email: Venkatesh.meda@usask.ca

Dr. Janusz A. Kozinski

Dean and Professor

Faculty of Engineering

Lakehead University

Thunder Bay, Ontario, Canada

Email: janusz.kozinski@lakeheadu.ca

SYMPOSIUM OVERVIEW:

Canada produces significant amounts of agricultural and agro-food waste that are currently underutilized. These waste materials are rich in lignocellulosic and organic content, making them ideal feedstocks for conversion into biofuels using thermochemical, biological, and hydrothermal methods. Utilizing these resources could greatly enhance Canada's renewable energy portfolio while reducing the environmental impacts associated with waste. This symposium aims to bring together researchers, industry professionals, policymakers, and innovators to explore the latest advancements in bioenergy recovery from agricultural and agro-food waste. With growing concerns about climate change, energy security, and sustainable waste management, this event will serve as a platform for discussing transformative technologies that convert agricultural and agro-food residues into advanced biofuels. Key topics related to thermochemical waste-to-energy technologies will include pyrolysis, gasification, and combustion of agro-waste, as well as the catalytic upgrading of bio-oils and the use of biochar for carbon capture, soil enhancement, and wastewater treatment. The symposium will also cover biological technologies, including anaerobic digestion and biogas production, as well as advancements in fermentation for bioethanol and biobutanol production. Hydrothermal processes, including hydrothermal liquefaction, carbonization, and supercritical water gasification, will be discussed, with a focus on optimizing reactor design to convert low-value agricultural and agro-food waste into high-value biofuels. Furthermore, the symposium will address interdisciplinary topics, including lifecycle and techno-economic analyses of biorefinery processes, policy and regulatory frameworks, and metrics for a circular bioeconomy and sustainability.

Objectives and Outcomes

This workshop aims to achieve several key objectives: (i) showcase recent advancements in bioenergy recovery technologies, (ii) foster interdisciplinary collaboration among academia, industry, and government, (iii) identify challenges and opportunities for scaling up sustainable bioenergy solutions in Canada, and (iv) promote knowledge exchange regarding policy frameworks, economic viability, and environmental impacts.

This will feature two invited keynote lectures, each by a leading academic and an industry expert. The target audiences for this event include (i) undergraduate and graduate students, researchers, and scholars in academia focused on bioenergy and environmental engineering, (ii) industry professionals in waste management and renewable energy, and (iii) government and policy stakeholders.

This event will provide an excellent networking opportunity for undergraduate and graduate students, research scholars, and leaders from academia and industry, fostering collaboration in the valorization of agricultural waste into biofuels.

Outcomes of the symposium will include (i) enhanced understanding of integrated bioenergy recovery systems, (ii) identification of research gaps and future directions, and (iii) strengthened partnerships across sectors.

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TECHNICAL SESSIONS (Template)

Monday, July 20, 2026 (9AM to 12 PM)

Theme: Bioresource Utilization and Bioproducts

Room: WPT 101

Moderator:

Session ID	Title	Presenter	Time

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TECHNICAL SESSIONS (Template)

Monday, July 20, 2026 (2 PM to 5 PM)

Theme: AI and ML in Agri-Food and Biosystems Engineering; Precision
Agriculture

Room: WPT 101

Moderator:

Session ID	Title	Presenter	Time

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TECHNICAL SESSIONS (Template)

Tuesday, July 21, 2026 (8AM to 12 PM)

Theme: Food-Feed-Water-Energy-Nexus

Room: WPT 101

Moderator:

Session ID	Title	Presenter	Time

Canadian Society for Agricultural and Biosystems Engineering
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TECHNICAL SESSIONS (Template)

Tuesday, July 22, 2026 (2PM to 5 PM)

Theme: **Inter-Disciplinary Education and Outreach**

Room: WPT 101

Moderator:

Session ID	Title	Presenter	Time

Canadian Society for Agricultural and Biosystems Engineering
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Poster Sessions (Template)

Tuesday, July 22, 2026 (2PM to 5 PM)

Posters

Room: WPT 101

Poster ID	Title	Presenter