

# 18<sup>th</sup> Annual Injury Biomechanics Symposium



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**165 attendees** including 30 student presenters from 15 universities:

- Virginia Tech
- University of Adelaide
- Wake Forest University
- University of Mount Union
- Drexel University
- Wayne State University
- University of Michigan
- The Ohio State University
- University of British Columbia
- Duke University
- University of Waterloo
- Trinity College of Dublin
- University of Louisville
- Westmont College
- Louisiana Tech University

## Keynote Addresses:

***"Vehicle safety-  
everyone plays their  
part"***

**Jessica Jermakian**  
Insurance Institute for  
Highway Safety



***"Why improving  
occupant safety for  
some, may not be  
all that great for  
others"***

**Suzanne Tylko**  
Transport Canada

## Symposium Mission

The Injury Biomechanics Symposium aims to stimulate and reward strong injury biomechanics research among students and recent graduates

## Networking for future opportunities

Each year, the Symposium provides a welcoming atmosphere where novice researchers receive feedback and support for their original work. The Symposium is a one-of-a-kind event where research trainees can develop their presentation skills in a non-threatening environment. It brings together students and industry members, providing opportunities for networking. This allows young researchers to form connections that have both immediate and long-term impacts on their academic and professional careers. These opportunities also provide industry members with a first look at up-and-coming researchers in the injury biomechanics field.



**Injury Biomechanics Research Center**

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**Thank You  
2023 Student  
Presenters,  
Honda, TRC, and  
Toyota CSRC  
Representatives**

## From the 2023 student presenters:

Presenting my research at the symposium was a great experience. The event was very welcoming and enjoyable, and I received helpful feedback on how to improve the project. I also got some ideas for future research. Meeting fellow professionals in my field and connecting with other students who were studying similar topics was a great opportunity and I made new friends from different parts of the world. I highly recommend this experience to others.

**-Cibonney Hellenbrand, Westmont College**

The 18th IBS was an exceptional opportunity for me to connect with fellow researchers and industry professionals from around the world. The networking events and sessions allowed me to engage in meaningful discussions and forge valuable connections that have the potential to impact my career positively.

**-Amoghsidd Desai, University of Michigan**

The 18th OSU IBS was my first in person conference, and I couldn't have asked for a more welcoming and friendly audience. It was fantastic to be able to present a work in progress, and the longer format presentation was great for facilitating interesting questions and discussions. There's plenty of social events which adds to the friendly atmosphere and provides opportunities to network. I had some great discussions with other students and academics that have left me full of new ideas that I'm excited to take back to the lab. Overall, a super enjoyable and valuable experience.

**-Charlie Magarey, University of Adelaide**

This event was an amazing time to meet new people, network, and expand my knowledge of Injury Biomechanics. I had no idea of the expansive community of researchers and industry professionals working in this field to make people's lives safer. I really enjoyed my time at the 18<sup>th</sup> Injury Biomechanics Symposium and hope to return again.

**-Fletcher Brown, Westmont College**

Attending the 18<sup>th</sup> IBS symposium was an eye-opening journey that bridged the gap between computational research and real-world testing, connecting me with industry experts and inspiring academics worldwide. It redefined my perspective on injury biomechanics and left me excited to explore new horizons in this dynamic field.

**-Akshay Dahiya, Virginia Tech**



**Sophia Ngan**, University of Waterloo, was awarded the **Margaret H. Hines Best Oral Presenter Award**, presented by Honda, for her presentation "Smoothed Particle Hydrodynamics to Model Spinal Occlusion of a Finite Element Functional Spinal Unit Model under Compression."

**Keyonna McKinsey**, University of Louisville, was awarded the **Rod Herriott Best Poster Presentation Award**, presented by TRC, for her project "Generation of 3D Pediatric Femur Models from 2D Radiographs"



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## 2023 Social Events



This year's Symposium kicked-off with the annual Welcome Reception on Sunday, May 20<sup>th</sup> at the Varsity Club, featuring a cornhole tournament. There were 26 randomly assigned teams of students, industry representatives, and academic faculty. The winning cornhole team was "**Corn I-O**", comprised of **Yun Kang (OSU)** and **David Weyland (US Army GVSC)**. The runner up team was "**Tech**", comprised of **Nicole Stark (Virginia Tech)** and **Chris Haferman (US Army GVSC)**.



The annual Banquet was held on Monday, May 21<sup>st</sup> at the Ohio State Faculty Club. Following dinner were five rounds of trivia questions; two rounds of general knowledge, a picture round of plant identification, matching novels with authors, and listening to TV theme songs. Even the most renowned leaders in the field of injury biomechanics were unable to answer all of the questions correctly. The winning trivia team was "**Sad Dead Sheep**" captained by **Schuyler St. Lawrence**.

## Thank you!

The generosity and financial support from our 2023 Partners and Sponsors made the 18<sup>th</sup> annual IBS a success!

PRESENTED BY:



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**TRC** Transportation Research Center Inc.

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Honda - Ohio State Partnership



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