

# ASEE Annual Conference 2022

## Materials Division Events

<b>Technical Session 1</b>	<b>Sunday 1:15 - 2:45 PM</b>	<b>Room 103A</b>
Identifying Students' Connections to Advanced Topics in an Introductory Materials Engineering Course		Breejha Quezada
Material selection in Electric Vehicle Engineering Programs		Claes Fredriksson
Work in Progress: Motivation and Interest on the Design and Optimization of 3D-Printed ABS and PLA Scaffolds		Nabila Shamim
Enhancing Student Engagement in Engineering Materials Science using KEEN Mindset in Laboratory Activities		Hui Shen
<b>Technical Session 1</b>	<b>Sunday 3:00 - 4:30 PM</b>	<b>Room 103A</b>
Students' changing perceptions of programming skills in Materials Science and Engineering		Susan P. Gentry
<b>Best Paper Winner</b>		
Authentic Undergraduate Research in Machine Learning with The Informatics Skunkworks: A Strategy for Scalable Apprenticeship Applied to Materials Informatics Research		Benjamin Thomas Afflerbach
Teaching Engineering Design with Materials Selection and Simulation through Case Studies: A Work in Progress		Kaitlin Tyler
WIP: Problems and Promises of Online Lectures for the Mechanics of Materials related Courses during and after COVID-19		Christopher Papadopoulos
<b>Technical Session 3</b>	<b>Wed 8:00 - 9:30 AM</b>	<b>Room 102F</b>
Presentation of Outstanding New Materials Educator Award to Dr. Robert L. Lowe from University of Dayton		
Conducting remote materials education and outreach with in-person communities: implementation and reflections		Brian Iezzi
Impact of Transitions between Online and Offline Learning During COVID-19 on Computational Curricular Reform: Student Perspective		Yang Dan
Comparing Expert Predictions to Student Performance on Challenging Conceptual Questions: Towards an Adaptive Learning Module for Materials Science		Nutnicha Nigon
Virtual adaptation of introductory materials engineering: a partially asynchronous approach to engage a large class		Jonathan Brown
Describing Students' Approach to Design Thinking in Introductory Materials Engineering Courses		Nicole Johnson-Glauch

<b>Business Meeting</b>	<b>Sunday 3:00 - 4:30 PM</b>	<b>Room 103A</b>
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<b>Social</b>	<b>Tuesday 7:00 - 9:00 PM</b>	
Lakes and Legends Brewing Company 1368 Lasalle Ave. Minneapolis, MN 55403 <i>NOTE: The brewery does not serve food. However, you can order food from Sonora Restaurant when you are at the brewery or bring in your own.</i>		

