

ITEC 2022 Friday - October 7th Sessions

Friday 8:00-9:00am	Registration at the Brown Ballroom at ISU - Park at Turner Hall G53 or F62 and walk to the Ballroom
Friday 8:00-9:00am	Vendor / Exhibit Visit Opens at the Brown Ballroom
Friday 9:00 - 10:45am	General Session at the Brown Ballroom
Friday 10:45-11:45am	Brunch Buffet at the Brown Ballroom
Friday 10:45 - 11:45pm	Vendor / Exhibit Visit at the Brown Ballroom / Rivian Question and Answer / Walk to Turner Hall ISU

Friday 12:00 - 12:45pm - Breakout #1 Sessions

Presentation Title	Engineering Challenges and Soldering (Double Session - 90 Minutes)
Description	This session will be something for everyone interested in learning more about the Engineering Design Process, Electricity/Electronics-based Engineering Challenges, and hands-on Soldering practice. We will discuss the Engineering Design Process and documentation, overview the different Engineering Challenges and processes we do in a full year Electronics course, and practice your soldering skills in differentiated ways using a 2 LED Blinker circuit. Challenge yourself by breadboarding and fabricating a circuit on a wafer board as extension activities for advanced learners. The presenter will share classroom resources for curriculum, equipment, and materials. Space will be limited to ten.
Room 160B	Presented By: Brett Thompson
Presenter's Title	How are Math departments at the community college level using Open Source Material?
Description	Has your publisher discontinued your favorite book? Have you ever thought of using Open Source Material? What is Open Source Material? How are Math departments at the community college level using Open Source Material? Open Discussion on creating Open Source material for Illinois Drafting/CAD programs.
Room 167	Presented By: Randy Hines
Presentation Title	What did I get myself into!
Description	A panel discussion of TEE teachers at various points of their career discussing what teaching TEE encompasses - the good, bad, and not so ugly. This session would be targeted towards students majoring in TEE/CTE and beginning teachers.
Room 168	Presented By: Steve Skorup
Presentation Title	Woodturning - what is it, what's it worth?
Description	Woodturning, what can be gained/learned from the craft, followed by a hands on demonstration. Also, learn more about the American Association of Woodturners (AAW) affiliated clubs throughout Illinois.
Room 169	Presented By: Central Illinois Woodturners Club
Presenter's Title	TEECA Challenges
Description	Technology and Engineering Education Collegiate Association Student Challenges
Room 172	Presented By: TEECA
Presentation Title	Connecting Coding and Circuits
Description	This engineering challenge explores a connection between code and physical devices using a microcontroller. The activities offer an opportunity to edit and create CircuitPython code that interacts with sensors and lights. Participants build circuits, analyze sensor data, and use an engineering design process to create and perfect a physical model.
Room 173	Presented By: Jana Sebestik

Friday 1:00 - 1:45pm - Breakout #2 Sessions

Presentation Title	Engineering Challenges and Soldering (Double Session - 90 Minutes)
Description	This session will be something for everyone interested in learning more about the Engineering Design Process, Electricity/Electronics-based Engineering Challenges, and hands-on Soldering practice. We will discuss the Engineering Design Process and documentation, overview the different Engineering Challenges and processes we do in a full year Electronics course, and practice your soldering skills in differentiated ways using a 2 LED Blinker circuit. Challenge yourself by breadboarding and fabricating a circuit on a wafer board as extension activities for advanced learners. The presenter will share classroom resources for curriculum, equipment, and materials. Space will be limited to ten.
Room 160B	Presented By: Brett Thompson
Presentation Title	Breaking down AutoCAD, prepare students to enter the workforce upon graduation
Description	Times are changing and the demand for qualified entry level AutoCAD drafters is high. Companies are willing to hire a high school graduate who has the right work ethic and AutoCAD skills. Quote from Industry executive. "This past year and for the next 10 years, the demand is the highest I've seen in in 37 years"
Room 167	Presented By: Randy Hines
Presentation Title	Teaching Flight & Aviation
Description	This presentation over air travel covers content and activities aligned with a transportation or general technology program. The dynamics of private, military, and commercial aircraft will be explored, as will commercial aviation (both passenger and freight). Activities, resources, and Internet platforms will be highlighted for any educator, from K-16.
Room 168	Presented By: Richard Seymour

Presentation Title	Woodturning - what is it, what's it worth? - (Repeat)
Description	Woodturning, what can be gained/learned from the craft, followed by a hands on demonstration. Also, learn more about the American Association of Woodturners (AAW) affiliated clubs throughout Illinois.
Room 169	Presented By: Central Illinois Woodturners Club

Presenter's Title	TEECA Challenges - (Repeat)
Description	Technology and Engineering Education Collegiate Association Student Challenges
Room 172	Presented By: TEECA

Presentation Title	Find Your Strengths and Lead With Them
Description	Chances are we all spend more time trying to fix our shortcomings instead of developing our strengths. The same goes for our students. This often prevents people from doing their best. Attend this session to learn about strengths, how to find your strengths and how to lead with them. Participate in evaluating if you are a strength-based teacher/leader, if your school is strength based. At the end of the session, each participant will be given the Strength Finders 2.0 book, which contains an access code to take the StrengthsFinder 2.0
Room 173	Presented By: Cynthia Stover

Friday 2:00 - 2:45pm - Breakout #3 Sessions

Presentation Title	Getting engaged with a hands-on application of engineering curriculum - (Double Session - 90 minutes)
Description	Come to this engaging and hands-on session that investigates how taking a project like an LED Flashlight Keychain can incorporate multiple IED topics and content to create something useful for students.
Room 160B	Presented By: Corey Duzan

Presentation Title	Holey Moley - How to Get A Hole In One With AutoCad - A Lesson In Geometry!
Description	AutoCAD is a great tool to understand angle of reflection. Understanding angle of incidence will have the same measure as the angle of reflection will help you to see how to make a "hole in one" in minigolf. This session will be a hands-on session using AutoCAD to design minigolf holes and figuring out how to GET A HOLE IN HOLE! Smoke, mirrors, and lasers will be used during the session.
Room 167	Presented By: Don Whitman and STEM Capstone Students

Presentation Title	Build Your Own DC Electricity Unit
Description	Come see how to set up and teach a basic DC Electricity unit using parts from vendors and parts your students build. This is a do-it-yourselfer's style approach to bring DC electricity instruction to your students on a budget. Teach about series and parallel circuits, multimeters, voltage, amperage, & resistance using dry cells, batteries, switches, lamps, motors, buzzers, & burglar switches you build into simple to use components.
Room 168	Presented By: Kurt Wolter

Presentation Title	Woodturning - what is it, what's it worth? - (Repeat)
Description	Woodturning, what can be gained/learned from the craft, followed by a hands on demonstration. Also, learn more about the American Association of Woodturners (AAW) affiliated clubs throughout Illinois.
Room 169	Presented By: Central Illinois Woodturners Club

Presenter's Title	TEECA Challenges - (Repeat)
Description	Technology and Engineering Education Collegiate Association Student Challenges
Room 172	Presented By: TEECA

Presentation Title	Marketing Your Program-Are You Getting Anyone's Attention
Description	Why should you market your program-how does millions in donations sound? How to market your program-simple tools. What free tools are available to market your program? The following is a list of tangibles for marketing your program that will be discussed: program supporters, industry partners, internship opportunities, career exploration, career opportunities, technical support, field trips, government relationships, program recognition, revenue streams, leveraged celebrity recognition, student recruitment, in-kind donations, and influence with school administration. To see a preview of one of Mark's online marketing tools go to www.rchsit.weebly.com .
Room 173	Presented By: Mark Smith

Friday 3:00 - 3:45pm - Breakout #4 Sessions

Presentation Title	Getting engaged with a hands-on application of engineering curriculum - (Double Session - 90 minutes)
Description	Come to this engaging and hands-on session that investigates how taking a project like an LED Flashlight Keychain can incorporate multiple IED topics and content to create something useful for students.
Room 160B	Presented By: Corey Duzan

Presentation Title	Introduction to SeaPerch - Let's Have a Competition!! - Part 1 (Part 2 is Saturday at the Holiday Inn at the swimming Pool)
Description	Learn about the NEW Illinois TSA and TEAI SeaPerch Regional Competition here in the State of Illinois for Middle and High School TEE programs. We will discuss what SeaPerch is, building ideas, competition schedule, and funding resources. 10 selected teachers will receive a FREE SeaPerch Kit.
Room 167	Presented By: Chris Merrill and Don Whitman

Presentation Title	G-Code Programming for CNC Machines
Description	Did you know that CNC Machinists can make up to \$30 an hour? And that CNC Programmers can make up to \$40 an hour. Do you have a CNC machine? Are you curious about writing programs for that machine? Do you want to go beyond just knowing what your CAM system is spitting out in that Code the machine is reading? Well then, this is the session for you.
Room 168	Presented By: Brad Curry and William Merchantz

Presentation Title	Woodturning - what is it, what's it worth? - (Repeat)
Description	Woodturning, what can be gained/learned from the craft, followed by a hands on demonstration. Also, learn more about the American Association of Woodturners (AAW) affiliated clubs throughout Illinois.
Room 169	Presented By: Central Illinois Woodturners Club

Presenter's Title	TEECA Challenges - (Repeat)
Description	Technology and Engineering Education Collegiate Association Student Challenges
Room 172	Presented By: TEECA

Presentation Title	Teaching And Learning TEECA Contest - Open to everyone to evaluate
Description	Technology and Engineering Education Collegiate Association Student Teaching Lesson Challenge LIVE - come and watch - help evaluate TEE lessons taught by college students.
Room 173	Presented By: TEECA

Friday 4:00 - 5:00pm - Rivian Factory Tour

Visit the Rivian factory where EV vehicles are made at their state-of-the-art manufacturing facility in Normal, Illinois
Transportation provided - Turner Hall parking lot

- Holiday Inn Check In and Dinner On Your Own -

Reception at the Holiday Inn - 4th Floor Concierge Room - 9:00pm - 11:00pm

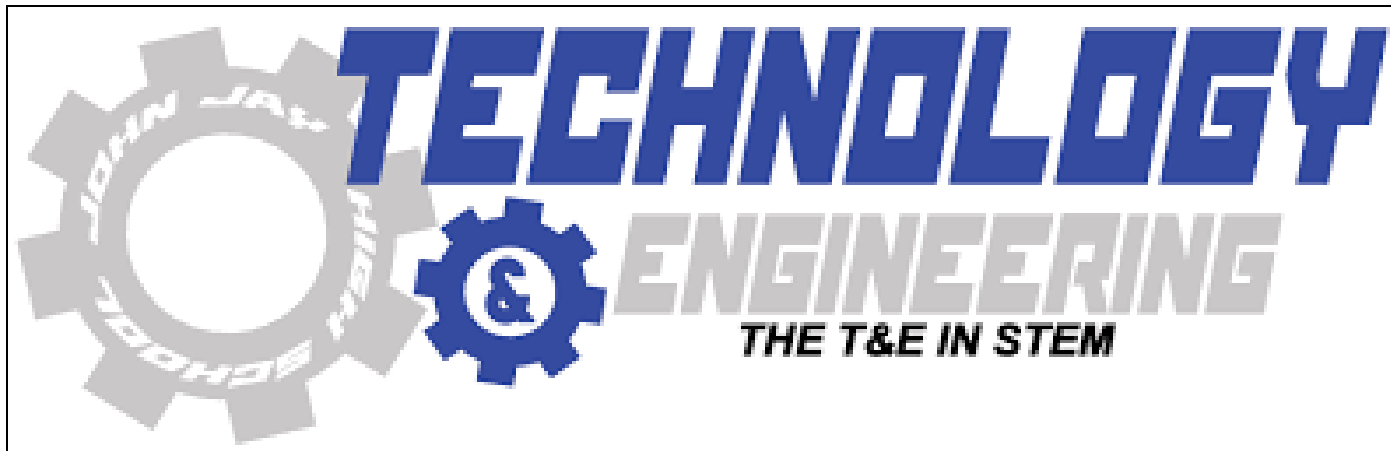
Please Join Us For Networking and Refreshments!!!

Saturday 9:15am - 11:00am - Breakout Sessions

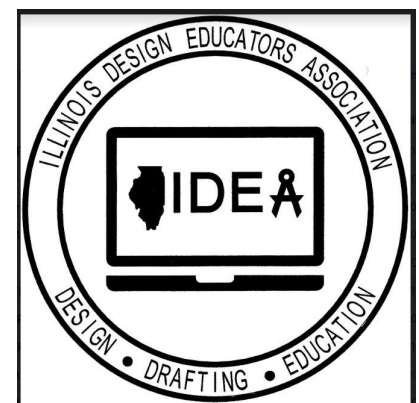
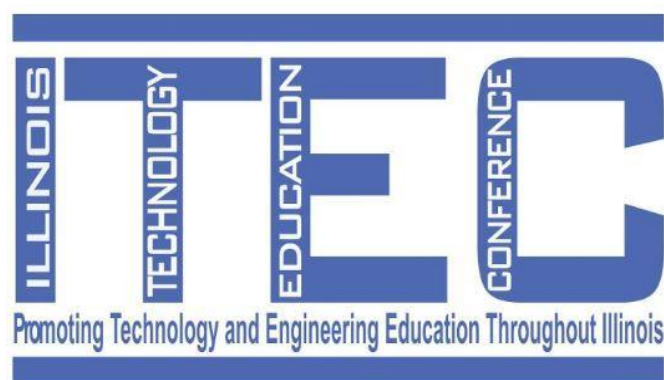
Presentation Title	SeaPerch - Underwater ROV - Build and Play! (Double Session 90 minutes) - Part 2
Description	SeaPerch is an innovative underwater robotics program that equips students, educators, and parents with the resources they need to build an underwater remotely operated vehicle (ROV) in an in- or out-of-school setting. As an integrated STEM education program, SeaPerch is a great place to start on your journey to build a bot and learn how to use that bot for good. Learn about the Sea Air and Land Challenge is a STEM initiative in which teams of high school aged students learn about the engineering process through the design and build of a robotic system. The systems are then used to compete in challenges relevant to the Department of Defense which mimic missions encountered by the military, national security agencies and first responders. Build and play with Seaperch kits in the hotel swimming pool.
Hickory Room	Presented By: Don Whitman

Presentation Title	Fusion 360 - TIPS and TRICKS - Getting the most out of the software
Description	Come spend some time with Fusion 360 - Bring your laptop and an Autodesk account to work along during this 90 minute hands-on test drive of Fusion 360. All aspects of design to output will be covered.
Cottonwood Room	Presented By: Corey Duzan

Presentation Title	TEECA Challenges and Awards
Description	Technology and Engineering Education Collegiate Association Student Challenges and Awards
Evergreen Room	Presented By: TEECA



- THANK YOU FOR SUPPORTING TEE and STEM -
- HAVE AN OUTSTANDING SCHOOL YEAR -



Save The Date:

ITEC 2023 - October 27th and 28th - ISU Ballroom, Turner Hall and Holiday Inn

General Session Agenda:

ITEC Welcome:

TEAI Welcome:

IACTE Welcome: