

ITEEA 2021 VIRTUAL CONFERENCE PRELIMINARY SESSION GROUPS

March 23-27, 2021
as of 2/25/21
all times are Eastern Standard Time

[VIEW FULL CHRONOLOGICAL AGENDA \(INCLUDING DESCRIPTIONS\) ON CVENT](#)

FRIDAY MARCH 19 at 5:00-5:50pm			
	Vinson	Carter	Navigating the ITEEA Conference
GROUP 1 - TUESDAY 11:00am-11:50am			
Remote Strategies	Charlie	McLaughlin	Making Career Connections with Online Internships
STEL Strand	Johnny	Moye	Implementing STEL : Supervision and Leadership
	Greg	Kane	
ESC	Amara	Alexander	Powering STEM with Picture Books
PATT	Marc	de Vries	Learning the Concept of Design Briefs in Technology Education
CTETE	Brian	McAlister	General: Mindful Approaches to Lab and Classroom Safety
CSL	Ryan	Novitski	EbD Highlights and Administrative Connections
EbD	Aaron	Straus	Excellence in STEM Education: Salamanca High School
	Josh	Brown	
	Michael	Berkeihiser	
	Douglas	Lecorchick	Trends You Need to Know: Teaching Technology and Engineering Online
	Jana	Bonds	
	Debra	Shapiro	
	Abbi	Richcreek	
	Tonya	Isabell	
	Donna	Painter	A "Graphic" Novel Approach to Communication Technologies
	Katherine	Prammer	Integrated STEM: Student-Designed Physics Data Collection and Interpretation
	Linus	Anaka	
	Ray	Wu-Rorrer	Sustainability Education in Action
	Peter	Mecca	
	Carey	Pollack	
	Kenny	George	
	Steve	Knight	
GROUP 2 - TUESDAY 1:00pm-1:50pm			
PATT	Chih-Jung	Ku	Exploring the Influencing Factors of Secondary Teachers Implementing Robotics
	Kuen-Yi	Lin	
STEL Strand	Phillip	Reed	Trends and Issues in TEE – What the STEL ?
	Johnny	Moye	
ESC	Stacie	Kling	Beyond Four Walls: Exploring Modeling and Simulation
	Miranda	Meadows	
	Megan	Tucker	
	Tiffany	Miller	
	Naveen	Cunha	Engineering: Pulling it all Together
	Tatiana	Goris	Era of Online Learning & Student Misconceptions in STEM
	Todd	Kelley	Spark 101 Videos Bring STEM Careers to Classrooms
	Kristin	Diamantides	
	Donna	Matteson	Higher Order Assessment: Strategies for Online Instruction
	Nathan	Mentzer	Soft Robotics as an Innovation in STEM Learning
	Andrew	Jackson	
	Tonya	Isabell	
	Thomas	Roberts	Leveraging Informal Learning to Engage Underrepresented Populations
	Cathrine	Maiorca	
	Carol	Unterreiner	Girl Power Part II: Where Are They Now?
	Luigi	Coker	
GROUP 2/3 - TUESDAY 1:00pm-2:50pm (DOUBLE SESSION)			
MAKERSPACES PANEL PRESENTATION			
	Jackson	Otto	Industry-based Makerspaces and Manufacturing Perceptions
	Will	Walls	
	Krista	Stith	Potential Challenges of Sustaining Collaborative Makerspaces
	Rachel	Geesa	
GROUP 3 - TUESDAY 2:00pm-2:50pm			
Remote Strategies	Joanna	Papadopoulos	Teaching I-STEM in the Time of COVID
	Tawni	Paradise	
STEL Strand	Michael	Hacker	Learning Standards: Journey from Evangelist to Skeptic
Partnerships	Trena	Wilkerson	Building STEM Partnerships: Mathematics and Science Perspectives
	Patricia	Simmons	
Partnerships	Karen	Wosczyzna-Birc	National Partnerships for Community College Technology Programs
ESC	Cathrine	Maiorca	Integrating STEM in Elementary Classrooms with MEAs
	Thomas	Roberts	
CTETE	Donovan	Colquitt	General: Cultural Value in STEM + Entrepreneurship?
	Lynn	Basham	Energy: Teach Our Students More!
	Kathy	Hartley	Connecting Math, ELA, and Art to Engineering
	Marie	Bienkowski	
	Andrew	Hughes	Structure Supporting Effectiveness of Student Groups
	Cameron	Denson	
	Chris	Merrill	Professional Teaching and Learning in TEE
	Brad	Christensen	
	Bryanne	Peterson	Being Intentional with Your Program Communications
GROUP 4 - TUESDAY 4:00pm-4:50pm			
Remote Strategies	Matthew	Shields	It's Not Blended or Hybrid. It's Learning.
Partnerships	Mary Beth	Echeverria	FCPS/AWC Teachers in Industry: The Ultimate Externship
	Leslie	Knotts	
	Mike	Mills	
ESC	Denise	Post	Purposefully Planning STEM lessons
	Melissa	Van Wingerden	
CTETE	Paul	Post	Research: CTETE Accreditation Survey Results and Discussion
	Leanna	Blandford	Recruitment, Retention, and Diversity—Using Data to Drive Practice
	George	Lavelle	
	Gwen	Filipiak	
	Amanda	Hough	Students Hacking for a Better World
	Jay	LeCroy	eSports High School Teams
	Molly	Miller	Engaging Differently Able Learners in Design-Based Education
	Marie	Leatherman	
	Jeffrey	Rosen	Looking at Biological Systems for Design Solutions
	Gavin	Wood	Engineering for Social Good: STEM Projects that Change Lives
GROUP 5 - WEDNESDAY 12:00pm-12:50pm			
STEL Strand	Todd	Kelley	A Design Brief of STEL
Partnerships	Jonathan	Welch	Developing Technical Collaboration in a Rural School
PATT	Yu-Jen	Sie	Secondary School Technology Teachers' Perspectives on the Nature of Techno
CTETE	Greg	Strimel	Research: Manufacturing Week: Changing Student Career Perceptions?
	Sydney	Serban	
	Andrew	Hughes	Designing, Building, Testing Trusses with Accurate Predictions
	Chris	Merrill	
	Justin	Leonard	Using UDL in the Secondary Engineering Classroom
	Tonia	Ziegler	
	Angela	Whitaker	
	Mark	Calloway	
	Mary	Muldowney Jar	Robotics and Computer Science Engagement
	Jeffrey	Rosen	Online Tool for Engineering Design Notebooks
	Dan	Trent	To come - needs to be uploaded to Cvent
GROUP 6 - WEDNESDAY 3:00pm-3:50pm			
STEL Strand	Tom	Loveland	Comparing STEL Benchmarks to Academic Benchmarks
	Daniel	Staab	
Partnerships	Donna	Jagielski	Adopting and Implementing a Student STEAM Ambassador Program
ESC	Megan	Tucker	Navigate with Nanobots!
	Stacie	Kling	
	Miranda	Meadows	
CTETE	Scott	Bartholomew	General: Marketing the Technological and Engineering Literacy Standards
	Geoff	Wright	
	Douglas	Lecorchick	
	Phil	Reed	
TEECA	Manuel	Figueroa	What Makes a Great Resume?
	Phillip	Cardon	Simulation, Animation, and Gaming: Classroom Practice/Careers AND Teaching
	Pamela	Speelman	
	Ryan	English	Computer Science by Design. New T&E Territory
	Michael	Hacker	
	Anthony	Gordon	
	Steven	Barbato	
	Matthew	Davis	
	Janet	Kolodner	
	Andrew	Hughes	Transforming Educator Inputs into Desired Student Outputs
	Chris	Merrill	
	Tyler	Love	The 2020 National T&E Safety Study Results
	Ken	Roy	
	Brendan	Murphy	Designing and Maintaining Industry Level Capstone Projects
	Roger	Seedorf	
	Richard	Seymour	Developing Rubrics That Enhance STEM-Based Instruction
GROUP 7 - THURSDAY 2:00pm-2:50pm			
Remote Strategies	David	White	3D Printing Experiences During the COVID-19 Pandemic
	Alejandro	Gonzalez	
STEL Strand	Kelly	McKenna	Implement STEL 's Humanity Disciplines with Free Resources
	Michael	Geselowitz	
ESC	Kenneth	Welty	Literature-based STEM for Elementary Students
PATT	Yuhyun	Choi	Model Development of Design Thinking-Based Team Problem Solving (DTbTPS)
CTETE	Andrew	Hughes	Research: Increasing Effectiveness of Student Groups
	Cameron	Denson	
TEECA	Daphne	Fauber	Getting Involved in Undergraduate Research
	James	Carlson	Preparing Pre-Service Technology Teachers to Go Online
	Pat	Foster	
	Matthew	Jones	Creative Problem-Solving Preferences: Reframing Our World
	Gary	Mahoney	Designing Underwater Sensors for Coral Restoration
	Brendan	Murphy	Integrating Professionalism and Career-Readiness Skills in the Classroom
	Julie	Sicks-Panus	STEM Resources and Opportunities Through CAP Aerospace Education
CSL SESSIONS - THURSDAY 3:00-3:50			
	Angela	Whitaker	Excellence in STEM Education: Oxon Hill High School
	Daisy	Rayela	Excellence in STEM Education: Thomas Johnson Middle School
	Jacqueline	Ludy	Excellence in STEM Education: Southside STEM Academy (MS)
	Johnny	Moye	STEL Updates: Where Do We Go from Here?
	Greg	Kane	
GROUP 8 - THURSDAY 4:00pm-4:50pm			
Remote Strategies	Glen	Bull	Developing Invention Kits for Online Maker Classes
	Michael	Littman	
	Jo	Watts	
STEL Strand	Thomas	Loveland	Writing STEL -Based Lesson Plans
	Scott	Bartholomew	
	Vanessa	Santana	
Partnerships	Matt	Scott	Industry Partnerships Enhance STEM Engagement
CTETE	Petros	Katsiloudis	General: Effectiveness of Drafting Models for Technology Students
TEECA	Greg	Strimel	How Your Creativity Philosophy Can Land You a Job
	Cathi	Cox-Boniol	Cultivating Creativity in the Classroom
	Matthew	Jones	Cognitive Diversity and an Outward Mindset
	Mark	Mahoney	Failure in the Classroom
	Jaclyn	Murray	Driving Questions that Guide Problem Statements
	Krista	Stith	Pre-service Teacher Experiences with STEM Pedagogy
	Richard	Seymour	
GROUP 9 - FRIDAY 12:00pm-12:50pm			
Remote Strategies	Angela	DeHart	Transformer: From Hands-on to Virtual
	Aya	Ahmed	
	Emanda	Seifu	
	Lidya	Demilew	
	Mera	Seifu	
	Nardos	Demilew	
ESC	Douglas	Lecorchick	Spatial Intelligence: An Undergraduate Research Project
	Laura	Cropper	Bringing STEM Notebooks into the Digital Age
	Sekorobebe	Mabitsio	
	Thabang	Mokotjo	
CTETE	Greg	Strimel	General: Achieving Engineering Literacy for All?
TEECA	Steve	Strimel	Preparing for Your First Year of Teaching
EbD	Megan	Dolan	Excellence in STEM Education: STMA Middle School East
	Ann	Kaiser	Designing the Future: Empowering Students through Engineering Literacy and STEM: Teacher-Librarian Partnerships
	Stephanie	Pennucci	
	Jessica	Jordan	
CSL SESSIONS - FRIDAY 1:00pm-1:50pm			
	Michael	Matthews	Policy, Legislation, and Perkins V National Update
	CSL Admins	CSL	Best practices and planning for the future when the future is unknown
	CSL	CSL	Leadership for CSL, Virtual tools/lessons, Social/Emotional Issues, Online Ethic
GROUP 10 - FRIDAY 2:00pm-2:50pm			
STEL Strand	Anna	Sumner	The STEL Maker
	Michael	Daugherty	
ESC	Kimberly	Clay	Building Solar Ovens with Elementary Scientists
Partnerships	Krista	Stith	Ideating Community Partnerships to Support Interdisciplinary Learning
	Jerry	Woodward	
CTETE	Euisuk	Sung	General: Bringing Artificial Intelligence into the Technology Payne Classroom
TEECA	Jacob	Payne	Crash Course in Videography
EbD	Julie	Brenegan	Excellence in STEM Education: Cannon Elementary School
	Anita	Crowder	K-12 Computer Science Integration for Equity
	Perry	Shank	
	Bryan	Wallace	
	Rebecca	Dovi	
	Andrew	Hughes	Utilizing SCOPE Process: Enhanced Design Outcome Effectiveness
	Cameron	Denson	
	Nancy	McIntyre	Robotics Empowers All Students to Become Innovators in a New Global Environ
	Greg	Strimel	Engineering: What to Teach and How?
GROUP 11 - FRIDAY 4:00pm-4:50pm			
Partnerships	Laura	Schisler	Secondary-University Partnership for Oceanography Design Project
	Elizabeth	Hobbs	
Partnerships	Jerry	Kelley	CTE Partnerships: Germinating Diversity of Opportunity
CTETE	Daniel	Kelly	General: Machine Learning to Predict Undergraduate Student Persistence
	Jeremy	Ernst	
	Aaron	Clark	
CTETE	Jung	Han	Research: Impacting Student STEM Knowledge through Engineering Design
	Todd	Kelley	
TEECA	Daphne	Fauber	TEECA National Board TECCA Improvement Roundtable
EbD	Susy	Chu	Excellence in STEM Education: Palmer Trinity School
	Toni Marie	Kau	We Designed a Game
	Gabriel	Victor	
	Kamakoa	Kyota	
	Quinn	Waiki	
	Megan	McManus	Adaptive Manufacturing
	Pooja	Sukhdeve	Immersive Learning Program using Augmented Reality/Virtual Reality Technol
	Andrew	Leeds	
GROUP 12 - SATURDAY 11:00am-11:50am			
Partnerships	Star	Matteson	Enhance Your Program with Industry Collaborations
ESC	Amy	Sokoll Bauer	STEM Projects: How and When to Integrate.
CTETE	Andrew	Hughes	Research: Pedagogical Content Knowledge in Pre-service STEM Educ
EbD	Brian	Silver	Excellence in STEM Education: Kalani High School
	Megan	Tucker	Excellence in STEM Education: Hillsboro Charter School (ES)
	Moulaire	Kesse	Facilitating Design Decisions through Entrepreneurial Thinking
	Andrew	Jackson	
	Molly	Miller	Supporting Productive Struggle in STEM Settings
	Roger	Seedorf	
	Bryanne	Peterson	Broader Impacts: Career Interest via Embedded Career Connections