

**STEM UN-Conference Schedule
Friday, March 5, 2021**

MORNING RESEARCH SPOTLIGHT FROM 9 TO 11:30 AM

LINK	Presentation Time	First Author	Department	Other authors	Presentation	Title
Join now.	9:00 to 9:12	Jianming Wen	CSM/Physics	Yanhua Zhai	['Research Spotlight']	Supersensitive correlation imaging with quantum states of light
Join now.	9:12 to 9:24	Bharat Baruah	CSM/Chemistry and Biochemistry	Kelsey Peacock	['Research Spotlight']	Fabrication of Polymer Modified Transparent Wood
Join now.	9:24 to 9:36	PN Achar	CSM/Molecular & Cellular Biology	Pham Quyen (1), Emmanuel C. Adukwu (2), Abhishek Sharma (3), Huggins Zephaniah Msimanga (4), Hanumanthu Nagaraja (5) and Marikunte Yanjarappa Sreenivasa (5) <small>1. Undergrad, KSU; 2. UK; 3 & 5. India; 4- Biochem & Chem, KSU</small>	['Research Spotlight']	Investigation of the Antifungal and Anti-Aflatoxigenic Potential of Plant-Based Essential Oils against <i>Aspergillus flavus</i> in Peanuts
Join now.	9:36 to 9:48	Mark Geil	Wellstar HHS / Exercise Science and Sport Management	Leila Rahnama	['Research Spotlight']	Using Technology to Minimize the Hawthorne Effect in Pediatric Gait Analysis
Join now.	9:48 to 10:00	Parth Bhavsar	SPCEET/Civil and Environmental Engineering	Yusuf Mehta (Rowan University), Nidhal Bouaynaya (Rowan University)	['Research Spotlight']	Mobile data collection system for next generation transportation asset management system
Join now.	10:00 to 10:12	Nicholas Green	CSM/Ecology, Evolution, and Organismal Biology	Somayeh Mashayekhi, CSM/Mathematics	['Research Spotlight']	Exploring the applications of fractional differential equations (FDE) in ecotoxicological risk assessment
Join now.	10:12 to 10:24	Laura Ruhala	SPCEET / Mechanical Engineering	Richard Ruhala	['Research Spotlight']	Acoustic Performance of Face Masks and Shields in a Classroom Setting
Join now.	10:24 to 10:36	Muhammad Salman	SPCEET/Mechanical Engineering	N/A	['Research Spotlight']	Cost Effective way of measuring athlete muscle stiffness with the effect of fatigue
Join now.	10:36 to 10:48	Awatef Ergai	SPCEET/Industrial and Systems Engineering	Shane Peterson, Sabine Smith, Ginny Zhan	['Research Spotlight']	Intercultural Competence Intervention and Assessment Program
Join now.	10:48 to 11:00	Yizeng Li	SPCEET/Mechanical Engineering	N/A	['Research Spotlight']	The physics and chemistry behind short-time mammalian cell volume control: a mathematical approach
Join now.	11:00 to 11:12	Craig Chin	SPCEET/Electrical and Computer Engineering	N/A	['Research Spotlight']	Deep Learning Architectures Inspired by Model-Based Algorithms for Compressed Sensing Reconstruction Applications
Join now.	11:12 to 11:24	Amrita Sharma	CSM/UGA	Michael Cipriano(4), Lori Ferrins(3); Michael Pollastri(4); Stephen Hajduk(4), Kojo Mensa-Wilmot(1,2) <small>1:University of Georgia, Department of Cellular Biology, Athens, GA 30602 USA; 2:Kennesaw State University, Department of Molecular and Cellular Biology, Kennesaw, GA 30144 USA; 3:Northeastern University, Department of Chemistry & Chemical Biology, Boston, MA 02115 USA; 4:University of Georgia, Department of Biochemistry and Molecular Biology, Athens, GA 30602 USA</small>	['Research Spotlight']	Molecular Pharmacology of NEU-4438, a Lead Anti-Trypanosome Drug

AFTERNOON LIGHTNING TALKS 1:00 to 3:00 pm

LINK	Presentation Time	First Author	Department	Other authors	Presentation	Title
Join now.	1:00 to 1:12	Dianhan Zheng	RCHSS/Psychological Science	Ordene Edwards, Sarah Holliday	['Lightning Talk: Tag along with NSF']	Academic Leadership and STEM Inclusion
Join now.	1:00 to 1:12	Seneca D Vaught	RCHSS/Interdisciplinary Studies	Ernesto SilvaBobby Gutierrez	['Lightning Talk: Different Bright Idea']	Documenting Discovery, Developing Diversity: An Interdisciplinary Approach to STEAM Abroad
Join now.	1:12 to 1:24	Jungkyu Park	SPCEET/Mechanical Engineering	N/A	['Lightning Talk: Tag along with NSF']	Strain Effect on Thermal Conductivity
Join now.	1:12 to 1:24	Parth Bhavsar	SPCEET/Civil and Environmental Engineering	n/a	['Lightning Talk: Different Bright Idea']	Patient Centered Transportation
Join now.	1:24 to 1:36	Bo Li	SPCEET/Mechanical Engineering	N/A	['Lightning Talk: Tag along with NSF']	
Join now.	1:24 to 1:36	Tsz Chan	CSM/Mathematics	n/a	['Lightning Talk: Different Bright Idea']	Differencing with two variables simultaneously
Join now.	1:36 to 1:48	Tiffini Jones	CSM/Ecology, Evolution, and Organismal Biology	N/A	['Lightning Talk: Tag along with NSF']	Sustainability and Success in STEM
Join now.	1:36 to 1:48	Prabha Padukka	CSM/Physics		['Lightning Talk: Different Bright Idea']	Physics and your body
Join now.	1:48 to 2:00	Thomas Leeper	CSM/Chemistry and Biochemistry	N/A	['Lightning Talk: Tool Innovation']	Let's discuss how NMR can help you with your research.
Join now.	1:48 to 2:00	Clint Penick	CSM/Ecology, Evolution, and Organismal Biology	John Paul Hellenbrand, MSIB Student	['Lightning Talk: Different Bright Idea']	Unravelling the mysteries of ant morphological diversity
Join now.	2:00 to 2:12	Dal Hyung Kim	SPCEET/Mechanical Engineering	N/A	['Lightning Talk: Tool Innovation']	Measurement of Cardiac Functions in Freely Walking Fruit Fly Using Motion Compensation and Fluorescent Microscopy

FACULTY NETWORK

Join Teams group.	2:12 to 3:00	Open session. Faculty come together to network and agree on central research themes. Virtual space for individuals introduce themselves and identify common interests. Identify themes and teams for breakout room in Hackathon session.
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PROPOSAL HACKATHON

Join Teams group.	3:30 to 5:00	General Teams meeting place with Breakout rooms. Individuals identify their breakout room as they enter. Teams prepare an outline proposal including what might be needed to pilot or move the idea forward. Meritorious outlines may compete for internal funding to pilot the idea.
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