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**AES
HSAE2018**

**High School Audio
Educators Conference**

September 15-16, 2018 Boston, MA, USA



CONFERENCE PROGRAM

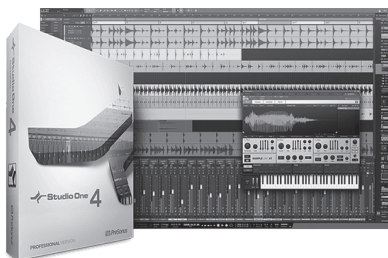
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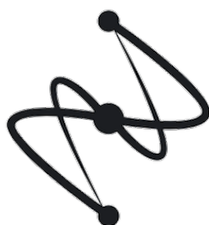
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REAL INDUSTRY



Audio Engineering Society

HSAE 2018 CONFERENCE COMMITTEE

John Krivit

Past President, Audio Engineering Society
Director of Education, Professional Audio Design, Hanover, MA

Daniel Fox

Program Chair
Director of Creative Media & Technology, ZUMIX, Inc,
Producer/Engineer, Wondersmith Audio

Owen Curtin

Chair, Boston Section Audio Engineering Society,
Concord Carlisle High School

Gabe Herman

Assistant Professor of Music Industry, The Hartt School
Producer/Engineer, AudioGabriel LLC., Conference Program

Bill Crabtree

Professor, Recording Industry, Director, M.F.A. in Recording Arts and
Technologies, Middle Tennessee State University

Leslie Gaston-Bird

Western Region Vice President, Diversity & Inclusion Committee Chair,
Audio Engineering Society

Kyle Snyder

Education Committee Chair, Governor, Audio Engineering
Society, Lecturer, Ohio University Scripps College of
Communication, School of Media Arts and Studies, Engineer &
Consultant, White Coat Audio, LLC.



Pro Audio Design is proud to sponsor the AES High School Audio Educators Conference

PAD EDUCATION OFFERS STRATEGIC GUIDANCE ON:

- CURRICULUM & INSTRUCTION
- ACCREDITATION & STATE LICENSURE
- FEDERAL GAINFUL EMPLOYMENT REQUIREMENTS
- ADMISSIONS & MARKETING
- ARTICULATION AGREEMENTS WITH PARTNER SCHOOLS
- PLANS FOR FACILITIES AND TECHNOLOGY THAT ALIGN WITH INSTITUTIONAL SUCCESS
- FACULTY HIRING AND PROFESSIONAL DEVELOPMENT
- ACCESS TO INSTITUTIONAL RESOURCES
- GROWTH STRATEGIES AND PROFITABILITY OF EDUCATIONAL PROGRAMS

199 Winter St. , Hanover, MA 02339 www.proaudiodesign.com
info@proaudiodesign.com | 877-223-8858 or 781-982-2600

From the CONFERENCE CHAIR



Prior to my election as President of the international Audio Engineering Society, I served the organization as its Education Committee Chair from 2010 through 2016. My proudest achievement was helping to build a community of educators from around the globe who engaged in a vibrant and substantive dialogue about pedagogy, curriculum, facilities, workforce development, partnerships, diversity and inclusion, accreditation, articulation agreements and many other topics. Wonderful friendships were developed and a natural forum for the exchange of ideas and information was established.

In 2013 Professors Bill Crabtree and Michael Fleming of Middle Tennessee State University hosted an AES International Conference on Audio Education on the MTSU campus. Anyone with an interest in how audio is taught came. The event was a great success pushing forward our common goals and speaking to our real concerns. We all became better educators by virtue of our connection.

Now in 2018, we gather in Boston and in Concord, educators, administrators and professionals all with a stake in how we execute audio education at the high school level. What pedagogical approaches are employed for teaching audio to teenagers? What creative curriculums and learning activities are demonstrating success? How are we incorporating principles of STEM and STEAM? What factors do we consider when building facilities for teenagers and what is the criteria for the selection of hardware, software, and infrastructure? How are we accrediting programs? Are articulation agreements between high school and college audio programs a constructive arrangement or a inefficacious pursuit? Are we being truly inclusive and creating welcoming environments in our classrooms and studios? Many issues will be addressed here in formal presentations and in the informal collaborative discussions that happen over the next two days.

I must shine light at the extraordinary committee that made this event possible. Our Program Chair Daniel Fox has brought 20 years of non-profit co-curricular high school audio education to the construction of an inspiring block of presentations. Dan's tireless enthusiasm for this subject has brought together an inestimable narrative. Professor Gabe Herman of the University of Hartford brings another invaluable creative approach to this conference. The beauty of our program booklet is a product of his skill as its editor. Leslie Gaston Bird, as Western Regional Vice President of the AES and as AES Diversity & Inclusion Committee Chair has assisted us tremendously with our D&I narrative. Kyle P. Snyder of Ohio University, is a current Governor of the AES and has led the AES Education Committee as its current chair. Kyle has brilliantly broadened the outreach of the AES to high school students and educators. Owen Curtin of Concord Carlisle High School is the Chair of the Boston Section of the AES. Owen's enthusiasm for education is demonstrated by the prolific programming that he offers to students of all ages and abilities through the Boston AES and his Audio Builders Workshop events. Professor Bill Crabtree of MTSU is a colleague I have admired for many years for his unending reservoir of prodigious ideas. I hope that you will join me in Nashville during the Summer of 2020 for the next AES Audio Education Conference that Bill will co-chair again.

This conference is so greatly enhanced by the generosity of our sponsors Professional Audio Design, Izotope, PreSonus, Real Industry and Bose. We are also so very appreciative for the support of Zumix, Concord Carlisle High School and the Audio Engineering Society.

This is a wonderful time for us all to learn, to listen and to exchange ideas with new life-long friends. I am enormously grateful to you for your support in being here and joining this community.

Best,

John Krivit
Conference Chair
2018 AES High School Audio Educators
Conference
Boston and Concord, Massachusetts
September 15-16, 2018





An Introduction to Zumix

WELCOME TO ZUMIX

Since 1991, ZUMIX has provided free after school and summer arts enrichment programs for low-income youth in the Greater Boston area. Founded in response to a year of record-breaking youth violence, the goal of ZUMIX programs is to provide a safe space for youth to build productive futures and expand their interests and skills in a supportive and nurturing environment. The 21st century skills youth acquire at ZUMIX support overall career readiness by emphasizing skills in communication, leadership, creativity, and adaptability. In 2012 ZUMIX received the prestigious National Arts and Humanities Youth Program Award from the Obama administration.

THE FIREHOUSE

For almost 30 years, the Engine Company 40 Firehouse sat vacant and rundown. In 2004, the City of Boston decided to sell the Firehouse and awarded the building to ZUMIX in 2005. We began construction in 2009. The Firehouse renovations transformed a long-abandoned 9,000 sq-ft building into a beautiful, functional and inspiring cultural and performance space for ZUMIX programs, participants and the East Boston community at large. Youth have access to a state-of-the-art professional recording studio, radio station, multimedia lab, performance space, and private teaching/practice rooms. Our goal was to renovate this building with the latest “green” technology and we are thrilled

to report that the Firehouse received Gold LEED Certification, an impressive accomplishment for a renovation project.

CREATIVE MEDIA & TECHNOLOGY PROGRAMMING

ZUMIX's Creative Media & Technology programming (CM&T) introduces young people (ages 12-18) to audio, video, and broadcast technologies using an experiential approach. These programs empower young people to apply their newfound skills in an entrepreneurial way, as they include hands-on training and year-round paid contract work opportunities. CM&T programs encompass live sound engineering, electronic music production, studio recording, video production, radio broadcast, journalism, podcasting, and instrument/equipment repair & maintenance. ZUMIX also partners with East Boston High School's Media Studies and English Language Learners programs, who utilize our collaboratively built radio studio within East Boston High School.

Daniel Fox

Program Chair,

Director of Creative Media & Technology, Zumix

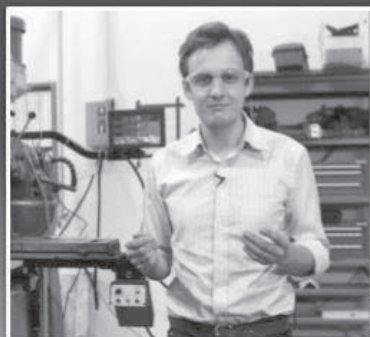
Dan is ZUMIX's Director of Creative Media & Technology. Over the last 18 years he has authored much of the curriculum in ZUMIX's award winning programs, designed facilities and systems, and taught teen audio programming. He was the A/V Project Manager for the design and buildout of ZUMIX's LEED gold certified Firehouse facility.

As owner/producer/engineer of Wondersmith Audio, Dan has worked with clients including Sub-Pop records, Comedy Central records, Pepsi, Audible.com, and Discovery, in addition to many acclaimed independent artists. He is a multi-instrumentalist, expert level Propellerheads Reason user, Certified Avid Pro Tools Instructor and iZotope endorsee.



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Peterson Goodwyn
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LINE2AMP Re-amplifier
kit and now he offers
an array of kits. He
also began the popular
the **Colour** format.
Come learn to build
your first kit.

**SATURDAY**

Audio Builders Workshop | AES 145 Oct. 17 - 20
Free Build Event and DIY Gear Show
Free Exhibits Plus Badge: AESshow.com/145AES3732
AudioBuildersWorkshop.Com
Jacob K. Javits Convention Center New York, NY



Mark Rubel
is an
AES
Member.

Are You?



SESSION INFORMATION

**Saturday
September 15, 2018**

9:30 - 10:00 am
CONFERENCE CHECK-IN

10:00 - 6:00 pm
* * * **Presentations** * * *

6:15 - 7:30 pm
BBQ Dinner

7:30 - Late
Network Evening

ZUMIX Presentation Spaces/Facilities

MAIN THEATER - Ground Level

MULTIMEDIA LAB - Lower Level

RECORDING STUDIO - 2nd Floor

RADIO BROADCAST STUDIO - Lower Level

NETWORKING LOUNGE - 2nd Floor

9:50 - 10:00 am MAIN THEATER

WELCOME & OPENING REMARKS

Program Chairs: John Krivit & Daniel Fox

10:00 - 10:45 am

KEYNOTE ADDRESS



**"MUSIC, MEDIA, & TECHNOLOGY:
Preparing Students for Any Outcome"**

Jonathan Wyner

Education Director, iZotope

Associate Professor, Berklee College of Music

Owner, M-Works Mastering

Wyner, a GRAMMY Award-nominated producer and engineer has a roster of mastering credits that include Aerosmith, David Bowie, Pink Floyd, and Bruce Springsteen. He has developed award winning curriculum both at Izotope and at the Berklee College of Music where he serves as an associate professor.

OPPORTUNITIES & OUTCOMES

10:45 - 11:30 am

UNDERSTANDING THE LANDSCAPE OF OPPORTUNITIES FOR INCORPORATING MUSIC TECHNOLOGY INTO THE PUBLIC SCHOOLS



Anthony Beatrice

Program Director for Music & the Arts, Boston Public Schools

This session will explore innovative concepts for integrating music technology experiences into the public high school setting. Topics include non-traditional scheduling, curriculum-building, early-college credit opportunities, career/college pathway options, gaining administrative support, and teacher licensure.

11:30 am - 12:30 pm

STRATEGIES FOR BUILDING DIVERSITY & INCLUSIVITY IN TEEN AUDIO EDUCATION [Q.A. TO FOLLOW]

Daniel Fox

Dir. of Creative Media & Tech.,
Zumix & Producer/Engineer,
Wondersmith Audio

Jess Jacobs

Chapter Head, SoundGirls, New
England

Topics: Inclusive outreach and placement in the after-school setting, Inclusive hiring practices, The importance of diverse youth leadership, and Modeling women and people of color in music and industry leadership positions

12:30 - 1:30 pm
LUNCH BREAK

ZUMIX FACILITIES TOURS OFFERED

12:30 - 1:00 pm Tour Group A

1:00 - 1:30 pm Tour Group B

1:30 - 1:40 pm Bose Build Info Session

1:40 - 2:10 pm

**CAREERS IN MUSIC
INDUSTRY**

Jay LeBouef

Executive Director at Real Industry

Lecturer at Stanford University

Adjunct Lecturer at Carnegie Mellon

University and University of Michigan



Where is the digital media, music technology, and entertainment technology industry going? What real-world opportunities are available for the next-generation of students at established companies like Avid, Dolby, Bose, Pandora, Sonos, Native Instruments, and more? Can students in your programs pursue their own businesses and startups in this sector?

This lecture provides insights from over 100 hiring managers, executives, advisors, and investors at some of the world's leading media and entertainment technology companies. We will explore case studies of students who have successfully transitioned from live sound engineering to product management, from music theory student to Chief Operating Officer, and more.

2:10 - 2:40 pm

HIGH SCHOOL STUDENTS' COLLEGE CHOICES FOR AUDIO RECORDING TECHNICIANS PROGRAMS

Dr. Doug Bielemier

Associate Teaching Professor, Dept. of Music,
College of Arts, Media and Design,
Northeastern University



What are the important determining factors that should be considered when recommending an appropriate college program for the continued study of audio technology? In this presentation, Dr. Bielmeier will present some criteria that might be helpful in guiding high school students through this decision.

2:40 - 3:10 pm

DOES SOUND EDUCATION FIT IN THE CURRENT RESEARCH ON THE VALUE & IMPORTANCE OF ARTS EDUCATION?

Christopher Plummer

Professor, Sound Design, Michigan Tech. U., Commissioner, Sound Design & Tech., US Institute for Theatre Tech. Co-Chair, Design, Tech. & Mgmt, Kennedy Center American Col. Theatre Festival

This session addresses how sound education fits into the broader narrative of arts advocacy. How does the study of sound fit into the development of middle and high-school students? What developmental goals does it support? How does a sound program need to be shaped to most effectively achieve those education goals? What is a sound programs relationship with STEAM and how does the A in general fit into STEAM?

Followed by 20 min. Group Discussion moderated by **John Krivit**, Conference Chair, & **Mark Rubel**, Co-Director of Education, Instructor, The Blackbird Academy

PROGRAM CASE STUDIES

3:30 - 4:00 pm

REACHING THE OTHER 80% USING MUSIC TECHNOLOGY

Wayne Splettstoesz

Director of Instrumental Music/Music Technology, Torrington High School, Torrington, CT

The other 80% embodies non-traditional music students. The Torrington HS Music Technology classes are the highest requested elective with a waiting list. Composing, Remixing, Podcasting, Film Scoring, Sound Effects Story, and more. THS Music Technology Website is used by over 100 schools across the United States, Canada, Costa Rico & Australia. This session includes an overview of the program at THS, how it was built, interdisciplinary curriculum ideas and more.

4:00 - 4:30 pm

PENTUCKET SCHOOL DISTRICT MUSIC TECHNOLOGY PROGRAMS

David Schumacher

Director of Jazz, Music Conservatory Leader, Instrumental Music Specialist, Pentucket Regional School District, Pentucket, MA

A presentation on the music technology program at Pentucket, and how it has grown over the past 15 years. From Anthony Beatrice: *"David Schumacher started an amazing audio/visual tech program at Pentucket. He brought the students through a curriculum starting in the 7th grade and then those students got paid to run sound/lights/video for all school events including the annual musical, graduation, school committee videos, etc."*

FACILITIES DESIGN

4:30 - 5:25 pm

FACILITIES FOR TEEN AUDIO EDUCATION PROGRAMS

15 min presentations from:

Owen Curtin

Chair, Boston Section Audio Engineering Society
Concord Carlisle High School

Daniel Fox

Director of Creative Media & Technology, Zumix
Producer/Engineer, Wondersmith Audio

Dave Malekpour

Founder & President, Pro Audio Design

Bill Crabtree

Professor of Recording Industry, Middle Tennessee State University

Once you have defined your desired educational objectives, the facility will take shape around those goals. Whether you want to integrate your existing performance space, enhance a computer lab with music technology capabilities, or construct a full recording studio from scratch the steps involved can be time consuming, costly, and require planning for long term maintenance and program sustainability. Panelists will outline the unique challenges in various types of audio facilities, offer best practices, and provide direction in creating audio education spaces that delivers successful educational outcomes.

followed by, 20min Q&A Session

BREAKOUT SESSIONS 5:30 - 6:00 pm**ZUMIX MULTIMEDIA LAB****WHERE MUSICIANS HONE THEIR CRAFT:
ACOUSTICAL DESIGN OF MUSIC PERFORMANCE,
REHEARSAL & RECORDING ROOMS****Ioana N. Pieleanu**

Principal Consultant, Acentech

In this presentation, we will discuss acoustical concepts, including room acoustics, sound isolation and background noise goals, which are important in a learning environment, whether this is a performance, rehearsal or recording space.

ZUMIX RECORDING STUDIO**FUN = ENGAGEMENT: PRACTICAL
AUDIO ACTIVITIES TO EXCITE LEARNERS
AGE 12-18 & BEYOND****Daniel Fox**Director of Creative Media & Technology, Zumix
Producer/Engineer, Wondersmith Audio

Sharing best practices, strategies, and tricks that can pull youth into the world of audio and STEAM. Activities on: acoustics, transducers, sound fx, digital audio editing, signal flow and troubleshooting, patchbays, mic stands and cable coiling.

ZUMIX RADIO BROADCAST STUDIO**PODCASTING & AUDIO STORYTELLING****Rene Dongo**

Radio Prog. Coordinator, ZUMIX

Chance Dorland

Journalist, Korea FM

Crafting a live radio show can be a challenge for young people learning about their voice and how to put ideas together on-air. With the popularity and importance of podcasting, this discussion will be about the pros and cons of adapting live radio into the podcast format in an after school setting with teens.

6:15 - 7:30 pm MAIN THEATER

~SATURDAY DINNER~

CATERED By BLACKSTRAP BBQ



AFTER-DINNER

~NETWORKING EVENT~

A night out with friends new & old

A screenshot of the iZotope RX Elements audio processing software interface, featuring a spectral display and various processing modules. A stylized white logo is overlaid on the interface.

**FREE TO ALL AES HSAE
CONFERENCE ATTENDEES!**



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aes.org/join

Leslie Gaston-Bird
Educator

CONFERENCE

SATURDAY @ ZUMIX, Sept. 15, East Boston, MA

	9:30	9:50	10:00	10:45	11:30	12:30	1:00	1:30
2nd Floor	Registration					TOUR Group A	TOUR Group B	
MAIN THEATER		OPENING REMARKS Krivit, Fox	KEYNOTE Wyner	OUTCOMES Beatrice	DIVERSITY Fox, Jacobs	LUNCH Group B	LUNCH Group A	BOSE BUILD

SUNDAY @ CONCORD CARLISLE REGIONAL HIGH SCHOOL, Sept. 16, Con

	9:30	10:00	11:00	11:40	12:05	12:30	12:50	1:10 - 1:50
2nd Floor Lobby	Registration			TOUR Group A	TOUR Group B			
LEARNING COMMONS		S.T.E.A.M. Plummer, Tarr, Sarisky	PARTNERSHIPS Bickel & Tetrauli	LUNCH Group B	LUNCH Group A	VISUAL LEARNER Herman	PRESONUS Gaspard	CERTIF. & ARTICU. Snyder, Sycut, Curtin

Learning Commons

Room 242

Room 246

Colonial Sound

1:40	2:10	2:40	3:10 - 3:30	3:30	4:00	4:30	5:30
CAREERS LeBouef	COLLEGE Bielmeier	ARTS EDUCATION Plummer	20 min Q&A Krivit, Rubel	REACHING THE 80% Splettstoesser	PENTUCKET Schumacher	FACILITIES Curtin, Crabtree, Fox, Malekpour	BREAKOUT SESSIONS
						MULTIMEDIA LAB	ACOUSTICAL DESIGN Pieleanu
						REC. STUDIO	ACTIVITIES Fox
						RADIO STUDIO	STORYTELLING Dongo, Dorland

Dinner Served - 6:15 pm

cord, MA

1:55 - 2:15	2:20 - 2:40	2:40	3:00
BREAKOUT SESSIONS		FROM NOTHING TO RECORDING Tignor	MUSICKING Sheel
RECORDING MARCHING BAND Lehmann	Leadership from the Middle Walzer		
DEVIL IS IN THE MUSIC Fulwider	Flipped Learning Sage		
Loudspeaker & Fuzzbox 101 Althaus			
	Making & Fixing Curtin, Fox		



INTRODUCTION TO CONCORD/ CARLISLE REGIONAL HIGH SCHOOL

Concord-Carlisle Regional High School (CCHS) is a public high school located in Concord, Massachusetts, USA, 17 miles northwest of Boston. The school serves grades 9–12, and as part of the Concord-Carlisle Regional School District, has students from both Concord and Carlisle, Massachusetts. The school also has a notable portion of minority students from Boston (particularly Dorchester, Roxbury and Mattapan) enrolled as part of the METCO program. Concord-Carlisle Regional High School is widely regarded as one of the top public high schools in the state, with the September 2009 issue of Boston magazine rating it the number one public high school in cost efficiency and third in academic performance in eastern Massachusetts.

THE ARTS

Musical arts are very prominent and respected extracurricular activities at CCHS. The music department currently supports a concert band, repertory band, orchestra, chorus and numerous jazz ensembles.

CCHS is also known for presenting very high caliber theatrical performances. In winter 2011, over 120 students participated in a musical production of *The Producers*.

THE FACILITIES

Colonial Sound is a full-service recording studio within the Concord Carlisle Regional High School that serves all students in the community. Networked audio connects the studio to installed microphones in chorus and band rooms and the 32 channels in the auditorium. The studio's performance space features a traditional selection of rock-n-roll instruments that are ready to record at any time. The multi-purpose control room serves as a MIDI lab, electronics workshop, and features a modular synth workstation. This space is also used to stream live musical events to YouTube and for FM broadcast on WIQH, the CCHS student-run radio

OWEN CURTIN

Owen Curtin is the studio manager of Colonial Sound and comes to CCHS after a decade of experience as a full-time college-level instructor. He is also the owner of Boston's acclaimed recording studio, The Bridge Sound and Stage, where he has worked with international artists including Sheryl Crow and David Gray as well and local artists who he says, "bring the real joy to the art." Owen Curtin is Chair of the Boston Audio Engineering Society and is the founder of the Audio Builders Workshop where he shares his enthusiasm for DIY electronics and coding in the professional audio industry.





SUNDAY

September 16, 2018

9:30 - 10:00 am
CONFERENCE CHECK-IN

10:00 am - 3:20 pm
***** Presentations *****

9:50 - 10:00 am

WELCOME & OPENING REMARKS

John Krivit & Owen Curtin

**I Teach Audio,
&
I'm an
AES
Member.**

Join Me!

Gabe Herman
Producer/Engineer/Educator



S.T.E.A.M.

10:00 - 11:00 am

HOW TO TEACH DESIGN THINKING, THE PHYSICS OF WAVES, & SOUND TECHNOLOGY THROUGH THE POPULAR LOUDSPEAKER CONSTRUCTION PROJECT

20 Minute Presentation

Christopher Plummer

Professor, Sound Design, Michigan Technological University
Commissioner, Sound Design & Tech., US Institute for Theatre Tech.
Co-Chair, Design, Tech. & Mgmt, Kennedy Center American Col.
Theatre Festival

AUDIO AS AN APPLICATION OF PHYSICS, TRIG., & COMPUTER PROGRAMMING IN HIGH SCHOOL EDUCATION

20 Minute Presentation

Eric Tarr

Assistant Professor of Audio Engineering Technology
Curb College of Entertainment & Music Business

USING AUDIO PRODUCTION AND MUSIC TECHNOLOGY TO ENGAGE STUDENTS IN SCIENCE & MATH

20 Minute Presentation

Mark Sarisky

Danville Area High School

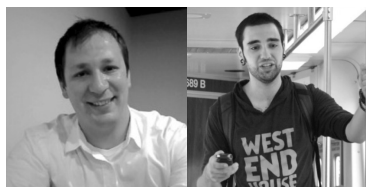
PARTNERSHIPS

11:00 - 11:40 am

NON-PROFIT PARTNERSHIPS: THE MUSIC AND YOUTH INITIATIVE MODEL

David K. Bickel

Associate Executive Director,
Music & Youth Initiative



Nick Tetrault

Music Clubhouse Director,
West End House Boys and Girls Club, Allston, MA

Throughout Massachusetts there are many strong programs that support afterschool youth development. However, very few have historically offered any music programs even though access to contemporary music education is the top requested program among their teen populations. These same organizations often struggle to attract and retain teens at a time in their lives when they are most vulnerable to negative outside influences. So why is there such a disconnect? Simply put, they don't have the expertise or financial resources to create and run a contemporary teen based music program. This is the problem our Music Clubhouse program addresses - making it possible for established and successful youth development organizations to create sustainable vibrant music programs which become an integral part of their organization and can meet the needs of their communities.

11:40 am - 12:30 pm

LUNCH BREAK

FACILITIES TOURS OFFERED

11:40 am - 12:05 pm Tour Group A

12:05 - 12:30 pm Tour Group B



Audio Engineering Society

TEACHING TOOLS

12:30 - 12:50 pm

NEW METHODS FOR TEACHING AUDIO SYSTEMS TO THE VISUAL LEARNER

Gabe Herman

Assistant Professor of Music Industry, The Hartt School, The University of Hartford

In this presentation, Professor Gabe Herman will discuss how teaching analog signal flow to his students eventually led him to design, build and animate a new invention – a virtual console simulation training software. The story of how this new tool was conceived, examples of early prototypes, and a test-drive of the final product will demonstrate how new methods for teaching audio can be informed by learners of all types.



2019 AES INTERNATIONAL CONFERENCE ON IMMERSIVE AND INTERACTIVE AUDIO

March 27 – 29, 2019
York, United Kingdom

Creating The Next Dimension Of Sound Experience

TEACHING TOOLS

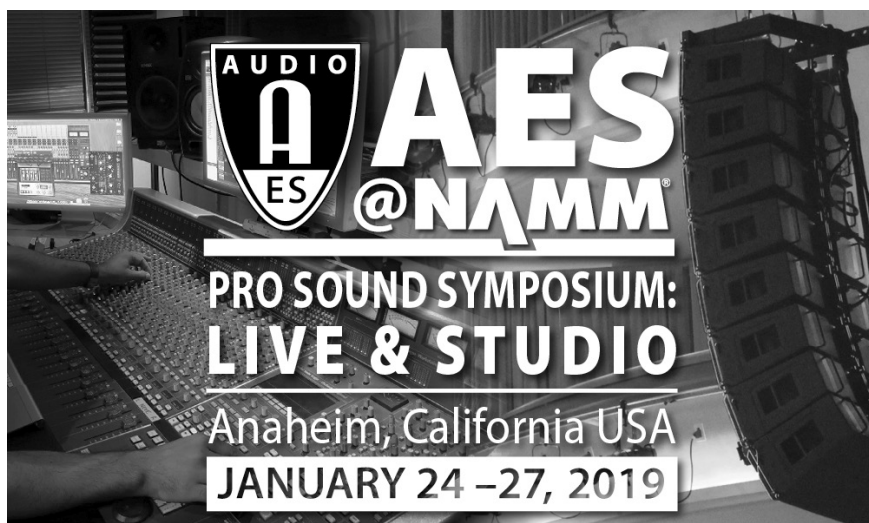
12:50 - 1:10 pm

SEVEN PRESONUS DESIGN FEATURES THAT ARE INFORMED BY TEEN LEARNING STYLES

Richard Gaspard

Product Specialist, PreSonus

What do young people want out of their DAW? PreSonus is innovating the future of design and functionality, especially with respect to young users. We at PreSonus recognize that teachers seek to integrate classroom tools that are low cost, easy to use, and can empower their students to create their very best work for years to come. In this presentation, Richard will discuss how the PreSonus design team was influenced by young users, and showcase some of the ways in which teachers can use this software to elevate their classroom experience.

The image is a promotional graphic for the AES @ NAMM Pro Sound Symposium. It features a background of audio equipment, including a mixing console and large speakers. The AES logo, which consists of a shield with 'AUDIO' at the top, 'ES' at the bottom, and a stylized 'A' in the center, is positioned to the left of the text 'AES @ NAMM'. Below this, the text 'PRO SOUND SYMPOSIUM: LIVE & STUDIO' is written in large, bold, white capital letters. At the bottom, the location 'Anaheim, California USA' and the dates 'JANUARY 24 -27, 2019' are displayed in white capital letters on a black background.

AES @ NAMM

**PRO SOUND SYMPOSIUM:
LIVE & STUDIO**

Anaheim, California USA

JANUARY 24 -27, 2019

ARTICULATION AGREEMENTS

1:10 - 1:50 pm

CERTIFICATION, ARTICULATION AGREEMENTS, & PUBLIC / PRIVATE PARTNERSHIPS

FEATURING GUEST PANELISTS

Kyle P. Snyder

Lecturer, Ohio University Scripps College of Communication,
School of Media Arts & Studies
Engineer & Consultant, White Coat Audio, LLC.

David Sycut

Adjunct Professor of Music Technology, Community College of
Allegheny County, Pittsburgh, PA

Owen Curtin

Chair, Boston Section Audio Engineering Society,
Concord Carlisle High School

In this panel, experts will discuss several pertinent topics including:

- Ways high school educators may wish to consider certification programs as complimentary to their instruction
- How to work with institutions of higher learning to ensure students receive the biggest “bang” for their buck via articulation and other agreements
- Unique ways of funding local programs through public / private partnership, college tax credits, and external grants and how these programs can be complimentary to both high school education and eventual matriculation



BREAKOUT SESSIONS

1:55 - 2:15 pm THE MAIN ROOM **RECORDING MARCHING BAND & FUND- RAISING OPPORTUNITIES**



Rob Lehmann

Audio Engineer, and AES Member

First- a brief primer on recording marching bands. Most high schools have marching bands and they are often the “face” of the school at football games and parades. This high visibility position makes them an important part of the high school and the community, and recording the marching band can be an excellent way for high schools to keep their prominence visible long after the football season ends.

Secondly- I will address the issue of fundraising opportunities at high schools by way of an audio recording program. Highlights will include potential fundraising opportunities from: CD sales, PR, Budget Allocation for Arts through Athletics, Supplemental Audio Education Programs for the community, et cetera...

1:55 - 2:15 pm ROOM #242
THE DEVIL IS IN THE MUSIC

Miles Fulwider

Tonmeister

Chair, Music Department &
 Assistant Professor of Music Technology,
 University of Saint Francis



Miles Fulwider reports on the necessity and challenge of addressing ethnomusicology in an audio production curriculum and illustrates the benefits of relating contemporary artists to the traditional local sounds of the Mississippi Delta.

Can the lineage of all American modern and popular music be traced back to a single fabled night where a Mississippi Bluesman sold his soul to the Devil? This presentation presents this case and showcases how the sights and sounds of the Mississippi Delta are ingrained in our musical DNA, and how this study of all our Mississippi roots will intersect with our audio production curriculums.

1:55 - 2:15 pm ROOM # 246
LOUDSPEAKER DESIGN & FUZZBOX 101

Lewis Athanas

Athanas Acoustic Devices

In this presentation, designer, builder and inventor, Lewis Athanas, shares his experience building speakers with high school students with household and ubiquitously accessible materials such as styrofoam plates. In addition, he will demonstrate his experiments with basic circuit design which have provided both entertainment and joy to students as they learned about time domain measurements, frequency domain, and second order filter theory.



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BREAKOUT SESSIONS continued...

2:20 - 2:40 pm THE MAIN ROOM LEADERSHIP FROM THE MIDDLE: FOSTERING PARTNERSHIPS IN AUDIO EDUCATION



Daniel Walzer, Ph.D

Assistant Professor of Music, University of Massachusetts Lowell

Although many high school students express an interest in music, technology, media, and sound, finding a place for these topics in existing curricula is challenging. This presentation offers a “Leadership from the Middle” concept where teachers, industry partners, and school administrators explore partnerships designed to implement audio training suited for each department’s needs carefully. Accomplishing this task begins by establishing a clear vision for what and how students learn, what tools are needed, and how such classes can be made accessible to a wide range of students. “Leadership from the Middle” considers the merits of industry expertise and academic interests such that both sides adopt a common language to benefit students. The result of this Leadership ethos is a universal language and consensus on how to implement a pilot audio program that garners maximum support from teachers, students, parents, and administrators.

2:20 - 2:40 pm COLONIAL SOUND STUDIOS THE POWER OF MAKING & FIXING IN TEEN EDUCATION

Daniel Fox, Dir. of Creative Media & Technology, ZUMIX &
Producer/Engineer, Wondersmith Audio

Owen Curtin, Chair, Boston Section, Audio Engineering Society,

Concord Carlisle High School

Learn about the Audio Builders program and ZUMIX's FixIt program. These successful programs represent a fusion of the traditional shop class and music/tech and a potential back door into audio education for teens.

2:20 - 2:40 pm ROOM #242 FLIPPED LEARNING

Jonathan Sage, CTS

Audio & Event Technology Services
Supervisor

Boston College Media Technology Services



In traditional settings, teachers lecture and then give practical homework to reinforce the lecture. In flipped learning, the lecture is provided to the student ahead of time using pre-recorded lecture capture that they watch and take notes on in their free time. Class time is used to reinforce the video lecture through collaborative projects. This talk will explore the concept, the tools, and how to build a short lecture.



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PROGRAM DEVELOPMENT

2:40 - 3:00 pm THE MAIN ROOM

FROM NOTHING TO MULTITRACK RECORDING IN THE DOMINICAN REPUBLIC



Chrissy Tignor

Faculty, Dept. of Contemporary Writing & Production, Berklee College of Music

This presentation will demonstrate how to build a multi-track recording facility based solely on donations, community support and student engagement. After being invited to El Conservatorio Nacional de Música for a lecture on production, it was clear that despite a desire for a recording and production program, there was no infrastructure in place to start this project. As a result of our collaborative work, and 8 months of collecting donations, visits, workshops and increased student enthusiasm, the conservatory now has a complete facility and a curriculum that will start in the Fall of 2018. All donations were the result of collecting unused equipment from local audio engineers and producers in the Boston area. This presentation will offer video, photo and audio evidence of the process and the excitement of the students in this program, ages 13-25.



Audio Engineering Society

3:00 - 3:20 pm THE MAIN ROOM
ADVENTURES IN HIP-HOP MUSIC
EDUCATION: THE
JOURNEY TO CREATING
A HYBRID MUSICKING
IN A CHARTER HIGH
SCHOOL IN THE BRONX
(NY)



Jarritt Sheel

Assistant Professor of Music Education, Berklee College of Music

This presentation deals with the changing face of music education and its need to engage in more contemporary musicking practices (hip-hop). We will discuss and dialogue about the experiences of building a instrumental music program from scratch, in a high school in the Bronx (Marble Hill) during the 2016-17 school year. Prof. Sheel will demonstrate some of the musicking activities that were foundational to the development of the music courses. We will discuss both the triumphs and the travails of designing and implementing new methods of music Making. We will also unpack the topics of curriculum design, best practices, as well

