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145th International Pro Audio Convention
Exhibits: 17 – 19 October 2018
Program: 17 – 20 October 2018

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AES HSAE2018
High School Audio Educators Conference
September 15-16, 2018 Boston, MA, USA

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REAL INDUSTRY
HSAE 2018 CONFERENCE COMMITTEE

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

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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.
INTRODUCTION

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 you 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
INTRODUCTION

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.
Peterson Goodwyn began DIY.RE with the 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.

Audio Builders Workshop | AES 145 Oct. 17 - 20
Free Build Event and DIY Gear Show
Free Exhibits Plus Badge: AESshow.com/145AESAES3732
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 Aero-smith, 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.
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

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 program’s 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
3:30 - 4:00 pm

REACHING THE OTHER 80% USING MUSIC TECHNOLOGY
Wayne Splettstoeszer
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 Rica & 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, patch-bays, mic stands and cable coiling.

ZUMIX RADIO BROADCAST STUDIO
PODCASTING & AUDIO STORYTELLING
Rene Dongo  Chance Dorland
Radio Prog. Coordinator, ZUMIX  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.
SESSIONS - SATURDAY

6:15 - 7:30 pm MAIN THEATER

~SATURDAY DINNER~
CATERED By BLACKSTRAP BBQ

AFTER-DINNER

~NETWORKING EVENT~
A night out with friends new & old

FREE TO ALL AES HSAE CONFERENCE ATTENDEES!
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Program: 17 – 20 October 2018

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I’m an AES member.

Leslie Gaston-Bird
Educator

Join me!
aes.org/join
## SATURDAY @ ZUMIX, Sept. 15, East Boston, MA

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<th>2nd Floor</th>
<th>9:30</th>
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<td>Krivit, Fox</td>
<td>KEYNOTE</td>
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<td>OUTCOMES</td>
<td>Beatrice</td>
<td>DIVERSITY</td>
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## SUNDAY @ CONCORD CARLISLE REGIONAL HIGH SCHOOL, Sept. 16, Con

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<td><strong>Learning Commons</strong></td>
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<td>S.T.E.A.M.</td>
<td>Plummer, Tarr, Sarisky</td>
<td>PARTNERSHIPS</td>
<td>Bickel &amp; Tetrault</td>
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### Room 242
- Learning Commons

### Room 246
- Colonial Sound
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<td>Session</td>
<td>CAREERS</td>
<td>COLLEGE</td>
<td>ARTS EDUCATION</td>
<td>20 min Q&amp;A</td>
<td>REACHING THE 80%</td>
<td>PENTUCKET FACILITIES</td>
<td>BREAKOUT SESSIONS</td>
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<td>LeBouef</td>
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<td>Session</td>
<td>BREAKOUT SESSIONS</td>
<td>FROM NOTHING TO RECORDING</td>
<td>MUSICKING</td>
<td>RECORDING MARCHING BAND</td>
<td>LEADERSHIP FROM THE MIDDLE</td>
<td>FLIPPED LEARNING</td>
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<td>Recording Marching Band</td>
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<td>Devil is in the Music</td>
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<td>Making &amp; Fixing</td>
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CORD, MA

DINNER SERVED - 6:15 PM

SUNDAY @ CONCORD CARLISLE REGIONAL HIGH SCHOOL, Sept. 16, Concord, MA
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 station.

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
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
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.
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.
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.
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
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...
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 curricula.

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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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.

PreSonus is proud to support the 2018 AES High School Audio Educators Conference

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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.
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)

Jarrett 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