

**DR. GENA R. GREHER**◆ **PROFESSOR** ◆ **COORDINATOR OF MUSIC EDUCATION** ◆◆ **UNIVERSITY OF MASSACHUSETTS LOWELL** ◆◆ [GENA\\_GREHER@UML.EDU](mailto:GENA_GREHER@UML.EDU) ◆ [HTTP://GGREHER.COM](http://GGREHER.COM) ◆**Education**

- 2002      **DOCTOR OF EDUCATION, Music and Music Education,**  
Teachers College, Columbia University  
'99/2000 Elihu Rose Fellowship recipient  
Areas of Research: Development of analytical listening skills,  
Multimedia Technology in the General Music Classroom,  
Integrating the Arts into the General Classroom.
- 1999      **MASTER OF EDUCATION**  
Teachers College, Columbia University  
Major: Music and Music Education
- 1998      **MASTER OF ARTS**  
Teachers College, Columbia University  
Major: Music and Music Education  
New York State Certification as a Music Teacher
- 1976      **MASTER OF SCIENCE**  
Boston University, College of Communications  
Major: Broadcasting and Film
- 1974      **BACHELOR OF MUSIC**  
Queens College of the City University of New York  
Major: Violin performance, Cum Laude
- 1969      **High School of Performing Arts, NYC,**

**Academic Experience**

- 2019-20**      **Interim Chair Department of Music**  
**2012-Pres**      **Professor/ Undergraduate and Graduate Coordinator Music Education**  
University of Massachusetts Lowell  
Nancy Donahue Endowed Professor of the Arts-2014/15  
Education Director, UMass Lowell String Project & Youth Orchestra 2013-Present  
Director, UMass Lowell String Project & Youth Orchestra 2011-2013
- 2008-12**      **Associate Professor/Undergraduate and Graduate Coordinator Music Education**  
University of Massachusetts Lowell  
Director, UMass Lowell String Project & Youth Orchestra 2011-Present  
Interim Chair Department of Music, Spring/Summer 09

- 2002- 2008      **Interim Chair Department of Music, Intercession '10**  
**Assistant Professor/Coordinator Music Education**  
 University of Massachusetts Lowell
- 2000-2002      **Instructor**  
 Teachers College, Columbia University  
 Department of Arts & Humanities  
 Program of Music and Music Education
- 1997-2000      **Teaching Assistant**  
 Teachers College, Columbia University  
 Department of Arts & Humanities  
 Program of Music and Music Education
- 1974-1976      **Teaching Assistant**  
 Boston University  
 College of Communications

### **Other Professional Experiences**

#### **Excecutive Producer**

- 1995-1997      Michael Whalen Music Inc., NYC
- 1992-1994      Lightstrem Productions, NYC  
 Music and Sound Design companies specializing in original songs, underscores and musical logos for Advertising. Advertising clients included, AMERICAN EXPRESS, AT&T, CLAIROL, BUDWEISER, COCA-COLA, CHESEBROUGH-PONDS, CANON COPIERS, FOLGER'S, JOHNSON & JOHNSON, KRAFT/GENERAL FOODS, KFC, PROCTOR & GAMBLE, PARKER BROS, PBS, RITE-AID, SPRINT
- 11/91-2/92      **Music Consultant**  
 Ogilvy & Mather, Los Angeles,  
 Directed a new music exploratory for a series of new product launches for Mattel's Barbie Division, which resulted in one of the most successful new-product launches for the brand. Conducted music seminars for agency creative department and client brand managers to help demystify the process of choosing, buying and creating music.
- 1989-1991      **Senior Vice President/Music Director**  
 Lintas Worldwide Advertising, NYC  
 Directed a staff of music/radio producers and business managers. Worked closely with agency creatives in developing and executing musical concepts, hiring composers, negotiating fees and rights, overseeing contracts, and working with celebrity talent, including Ashford and Simpson, Patti Austin, Michael Bolton, The Brecker Brothers, Felix Cavalieri, Aretha Franklin, The David Letterman Band, Melissa Manchester, George Michael, Aaron Neville, Phoebe Snow, Luther Vandross, their agents and managers. Accounts included: COVER-GIRL, COCA-COLA, diet-COKE

(Domestic & International), EASTERN AIRLINES, FABERGE, IBM, JOHNSON & JOHNSON, LEGO'S, LEVER Bros., LIPTON TEA, MASTERCARD, MAYBELLINE, MACY'S, PLANTERS.

### **MUSIC/RADIO PRODUCER**

1985-1988 HEA PRODUCTIONS  
 1983-1985 OGILVY & MATHER  
 1981-1983 YOUNG & RUBICAM  
 1976-1981 WARING & LAROSA

## **PROFESSIONAL ACTIVITIES**

### **Professional Association Participation**

#### **Presentations, Papers and Poster Presentations at National and Regional Conferences**

##### **Refereed Papers and Presentations**

**October 2019** **A Novice Guide for Making Music in Scratch** – Presentation on beginning activities for incorporating music and coding for middle school students

#### **ATMI/CMS National Conference, Louisville, KY Oct 24-26**

**May 2019** **Music & Well Being: Teaching Non-Traditional Music Learners with Compassion and Empathy** – Presentation on a Service Learning component for music education students to put into practice making music with participants who have a diversity of musical interests and abilities

**Visions of Research in Music Education: The Conference -** Westminster Choir College in Princeton, New Jersey on May 24 and 25, 2019.

**March '19** **MakeyMaking and Music Creation: Making Meaning Through Words Pictures Sound and Science** – Demo session of an interdisciplinary project linking literacy, art, music, coding and making.

**FabLearn Conference 8<sup>th</sup> National Conference on 8th Annual Conference on Creativity and Fabrication in Education,** - New York 2019, Teachers College Columbia University March 9-10, 2019

**Oct 2018** **A Collaborative School University Partnership at the Intersection of STEAM Integration.** Panel presentation with Rachel Crawford, Music; Laura Schofield, Math; Holly Johnston, Music; Janet Koza Math from Lowell Public Schools

**Teaching with Video - Workshop demo for CMS Pre-Conference Technology Workshop,**

- ATMI/CMS National Conference College Music Society (CMS) - Vancouver, BC. Oct 11-13, 2018
- March '18 CMS-NE 39th Regional Meeting March 24-25, 2018, University of Delaware Teaching Music for Everyone: Rethinking the Music Teacher Education Paradigm Paper presentation with Suzanne Burton, University of Delaware
- March '18 Massachusetts Music Educators Association (MMEA) All-State Conference – Boston MA March 1-3 2018 Music Technology: An Intuitive Pathway for Teens on the Autism Spectrum
- Oct 2017 Community Music as Change Agent: Towards a Culture of Diversity and Inclusivity in Music Teacher Education- Panel presentation with David Myers, Augsburg University; Susan Helfter, University of Southern California; Lee Willingham, Laurier University
- Where are the Women's Voices in Music Technology Education? – Paper presentation with Janice Smith, Queens College, CUNY.
- ATMI/CMS National Conference College Music Society (CMS) National Conference – San Antonio, TX October 26-28, 2017
- May 2017 Music Technology As An Intuitive and Inclusive Pathway to Musical Thinking, Learning and Doing – Paper presentation with Christian Hernandez & Nicole Vasconcelos, UMass Lowell student researchers
- Walking the Boundaries, Bridging the Gaps: International Community Music Conference, May 11-13, 2017 Wilfrid Laurier University, Waterloo Canada
- Nov 2016 The MaKey MaKey Invention Lab as a School-Based Enrichment Block – Demo/Workshop Presentation
- Defining Musicianship for the 21<sup>st</sup> Century Music Teacher – Paper presentation with Mike Testa Salem State University
- 2016 ATMI/CMS National Conference  
*College Music Society (CMS) National Conference October 27-29, 2016 Eldorado Hotel & Hilton Santa Fe Historic Plaza, Santa Fe*
- Aug 2016 Music, Math, Interdisciplinary and Intuitive Pathways to Understanding and Learning – Demo/Workshop
- The Annual Interactive Multimedia Performing Arts Collaborative Technology (IMPACT) Conference NYU Steinhardt, Aug 3-6

- July 2016 Music, Math, Interdisciplinary and Intuitive Pathways to Understanding and Learning – Paper Presentation  
32nd World Conference International Society for Music Education, Royal Conservatoire of Music Glasgow, UK 24-29 July
- July 2016 Teaching Outside the Box: Community Music Pathways as a Lens for Re-Imagining, Re-Defining, Re-Invigorating Music Teacher Education - Paper Presentation  
ISME Commission for Community Music Activity (CMA) Innovation and Change in Community Music, Edinburgh College, Edinburgh, UK 19-23 July
- April 2016 Panelist for the Thelonious Monk Institute's Math Science Music Initiative. Press Launch at the US Department of Education with Secretary of Education John King Jr.  
<https://mathsciencemusic.org>
- Feb 2016 Music Technology and Teens with Autism Spectrum Disorder – Paper presentation.  
The 33rd Annual Winter Roundtable “Cultural Competence in the Digital World: Trending #Apps, #Games, and #SocialMedia”, Teachers College Columbia University, NYC Feb 26 & 27, 2016
- April 2015 Technology Within Initial Teacher Education in Music: Cross-Continental Perspectives- Symposium – Paper - presentation and workshop, co-convener/chair with Marina Gall, University of Bristol, UK; presenter Stuart Wise, University of Canterbury, NZ; discussant Peter Webster, USC.  
The 9<sup>th</sup> International Conference in Research in Music Education (RIME), Exeter University, Exeter, UK April 14-18, 2015
- Jan 2015 NSF Performamatics Workshop Co-Presentation with Jesse Heines and Alex Ruthmann. UMass Lowell Inn & Conference Center, Jan 15 & 16, 2015.
- Oct 2014 What We Have Learned About iPads From Our Students as Co-Researchers –Paper Co-Presentation with Suzanne Burton (University of Delaware) and Frank Heuser (UCLA)  
Collaborative Teaching & Assessment: Keeping Track of Data and the Tools We Use – Paper Co-Presentation with Jesse Heines (UMass Lowell)  
CMS/ATMI National Conference, St. Louis MO Oct 31-Nov 2, 2014

- Oct 2014      Impromptu: A Technologically Intuitive Pathway into Musical Knowledge-in-Action– Workshop Co-Presentation with Jeanne Bamberger (UC Berkeley) FabLearn 2014, Stanford University, Oct 25-26, 2014
- Oct 2014      Technology And Teens With ASD: A “Social” Project Through A Music Education And Psychology Partnership – Research Poster with Ashleigh Hillier, Savannah Marshall, Alexa Queenan, Jason Kopec and Anthony Prestigiovanni  
New England Psychological Association, Oct 18, 2014 Bates College, Lewiston Maine
- Aug 2014      Creative Play, Musical Learning and Middle School Beta **Testers** – Workshop Co-Presentation with Eric Rosenbaum (MIT Media Lab) The First Interactive Media Performing Arts Collaborative Technology (IMPACT) Conference. NYU/Steinhart Aug 14-16
- Aug 2014      Scratch Projects to Enhance for Middle School Music - Co-Presentation with Jesse Heines, Scratch@MIT 2014 Cambridge MA Aug 6-9
- June 2014      NSF Performamatics Workshop Co-Presentation with Jesse Heines and Alex Ruthmann. NYU/Polytechnic Magnet **Center**, June 19 & 20, 2014
- May 2014      Music, Technology, and Teens with ASD:  
A “Social” Project Through a Music Education and Psychology Partnership- Research Poster with Ashleigh Hillier & Student researchers Savannah Marshall, Alexa Queenan, Jason Kopec & Anthony Prestigiovanni  
CMS Summit: Music Science and Technology, May 16-17, Seattle Washington
- Jan 2014      NSF Performamatics Workshop - Co-Presentation with Jesse Heines and Alex Ruthmann. UMass Lowell Inn & Conference Center Jan 16 & 17, 2014
- Feb 2014      *Designing music technology as a window into musical thinking-*  
FAHSS River Talks UMass Lowell Inn & conference Center Feb 7, 2014
- June 2014      NSF Performamatics Workshop - Co-Presentation with Jesse Heines and Alex Ruthmann. NYU/Polytechnic Magnet Center, June 19 & 20, 2014
- Oct. 2013      *Designing music technology as a window into musical thinking -*  
CMS Pre-Conference Workshop (Invited Presentation)
- Tech Divas and Girl Geeks: Supporting the Rising Generation of Women in Music and Technology - ATMI - Panel

- ATMI Program Chair and CMS Conference Committee Member  
CMS/ATMI National Conferences 10/30-11/2/2013, Cambridge, MA
- Sept. 2013 iPads, the Music Education Methods Class, and Teens: What's the App for That? Co-presentation with Suzanne L. Burton University of Delaware
- Society of Music Teacher Education (SMTE) Sept. 26-28, 2013, UNC Greensboro, NC
- June 2013 NSF Performamatics Workshop - Co-Presentation with Jesse Heines and Alex Ruthmann. UMass Lowell Inn & Conference Center June 20 & 21, 2013
- May 2013 How We Make Two Heads Better than One: Collaborative **Writing** -Panel Symposium co-presentation with Suzanne Burton, (UDel) Michele Kaschub (USM) and Janice Smith (Queens College)
- The 12th Mountain Lake Colloquium May 19-22, 2013, Virginia
- April 2013 Music Making in iPad Jam Bands – Workshop co-presentation with Frank Heuser, UCLA
- Collaborative Writing- Panel Symposium co-presentation with Suzanne Burton, (UDel) Michele Kaschub (USM) and Janice Smith (Queens College)
- The 8th International Conference for Research in Music Education (RIME) April 9 -13<sup>th</sup> 2013 Exeter, England
- April 2013 Possibilities and Perils of Social Media and Music Education Pre-Conference Collegiate Workshop, Eastern Chair Presentation by Alex Ruthmann
- iPads, Teens, and a College Music Methods Class: What's the App for That?- Co-Presentation with Savannah Marshall, UMass Lowell
- NAfME Eastern Division Conference, April 4-7, 2013 Hartford, CT.
- March 2013 Computational Thinking through Computing and Music – Workshop Co-presentation with Jesse Heines, SIGCSE March 6-9, 2013, Denver CO
- Jan 2013 NSF Performamatics Workshop - Co-Presentation with Jesse Heines and Alex Ruthmann. UMass Lowell Inn & Conference Center Jan 17-18

- Nov 2012      The Music Within Us: A Pathway into Knowledge in Action- Co-presentation with Jeanne Bamberger
- iPads, Teens With ASD and a College Tech Class: There is Definitely an App for That panel presentation with Brendan McConville Chair, Hillery Herndon, Dan Hoskins, Rick Schmunk and David A. Williams,
- 2012 CMS/ATMI/NACWPI National Conferences Nov 15-18, San Diego, CA
- July 2012      Getting into the Digital Music Game With Scratch. – Co-presentation with Jesse Heines. Scratch@MIT 2012, Cambridge MA, July 25-28 2012
- July 2012      Real World Projects for Developing Musical and Computational Thinking. – Co-presentation with Alex Ruthmann and Jesse Heines
- School University Partnerships: Can They Be Sustained Within a System in Flux? Co-Presentation with Suzanne L. Burton, University of Delaware. July 2012
- 30th International Society for Music Education (ISME) World Conference on Music Education. Thessaloniki, Greece, July 15-20, 2012.
- July 2012      Techniques at the Intersection of Computing and Music. – Co-Presentation with Jesse Heines. 17th Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE). Haifa, Israel, July 3-5, 2012.
- June 2012      NSF Performamatics Workshop - Co-Presentation with Jesse Heines 2012 UMass Lowell Inn & Conference Center June 21-21
- April 2012      NSF Performamatics Workshop - Co-Presentation with Jesse Heines 2012 ASEE Northeast Section Conference, Lowell, MA. April 27-28
- March 2012      University/School Partnerships: Lessons from Practice Co-Presentation with Frank Heuser, UCLA; Suzanne Burton, University of Delaware National Association for Music Education (NAfME) 2012 National Conference, St. Louis MO, March 28-31
- Oct 2011      Pre-Conference Workshop - Interdisciplinary Collaborations Among Students and Faculty in Music Education and Computer Science co-presenting with Alex Ruthmann-Invited Presentation iPads in the Music Classroom: A Tool for Fostering Collaboration. Paper presentation with Alex Ruthmann, Holly Gallant and Eric Poster.



Association for Technology in Music Instruction (ATMI) 2009 Conference, Richmond, VA, Oct 19-23, 2011. with Frank Heuser, Panel Chair; Randall Allsup; Michele Kaschub.

Best Practices Within the School-University Partnership Model-Poster with Edward McClellan, Loyola University New Orleans & Suzanne Burton, University of Delaware

Sept. 15-17, 2011. Society of Music Teacher Education (SMTE)-, University of North Carolina Greensboro

April 2011 Sound Thinking: Evaluating the effectiveness of interdisciplinary collaborations among students and faculty in music education and computer science. Paper Presentation with Alex Ruthmann  
<http://prezi.com/vce25evbfyvr/rime-2011-greher-ruthmann/>

School University Partnerships: Accepting Change as a Constant Variable in the Curriculum Paper Presentation with Suzanne Burton

RIME 2011 7<sup>th</sup> Annual Research in Music Education Symposium University of Exeter, School of Education & Lifelong Learning  
Published CD of Conference Proceedings

March 2011 Popular Culture in the Music Classroom: Negations, Affirmations and Transformations-Pre-Collegiate Workshop CMENC Eastern Conference Chair-planned workshop and presided with Key-Note Randall Allsup, Teachers College Columbia University and Johann Soderman, Lund University Sweden  
MENC Eastern Conference, Baltimore MD March 31-Apr 3

Sept 2010 A View of Creativity as Learning: Playing Across Multicultural Divides-Showcase Presentation-Preconference Technology Workshop with Jeanne Bamberger, UC Berkley and Michael Downton, Indiana University

SoundScape: An Interdisciplinary Music Technology Intervention for Adolescents and Young Adults on the Autism Spectrum with Ashleigh Hillier

Panel: Music Literacy and Music Technology with Scott Lipscomb and Dan Hoskins

CMS Lightning Talks: Silence is Golden  
2010 CMS/ATMI Conference, Minneapolis, MN Sept 22-26

Aug 2010 Symposium: School-University Partnerships in Music Teacher Education, with Timothy Brophy, Suzanne Burton, Lisa Hunter, Nathan Kruse and Kristen Krickard 29<sup>th</sup> ISME (International Society of Music Education) World Conference, Beijing, China Aug 1-6, 2010

- April 2010 Perspectives on Preparing Teachers to Teach Music Composition Pre-K–12 Panel Presentation with Michele Kaschub, S. Alex Ruthmann, Jackie Wiggins, Deborah Blair & Janice Smith. 2010 Biennial Music Educators National Conference March 25-27. 2010 Anaheim, CA
- Oct 2009 College-Level Computer-Aided Instruction in Music on a Budget CMS Pre-Conference Technology Workshop-Invited Presenter
- Sound Thinking: Conceptualizing the Art and Science of Digital Audio for an Interdisciplinary General Education Course. This demonstration session explores the challenges and decision-making in creating an interdisciplinary music and computer science course.
- Association for Technology in Music Instruction (ATMI) 2009 Conference, Portland, OR, Oct 22-25, 2009.
- Sept 2009 School-University Partnerships: Multiple Lenses of Practice in Music Teacher Education, Chair of panel presentation with Frank Abrahams, Suzanne Burton, Timothy Brophy, Lisa Hunter and Nathan Kruse, Sept. 10-12, 2009. Society of Music Teacher Education (SMTE)-, University of North Carolina Greensboro
- April 2009 SoundScape: An investigation of an Inter-disciplinary Music Intervention for Adolescents and Young Adults on the Autism Spectrum.at the 2009 AERA Annual Meeting-Disciplined Inquiry: Education Research in the Circle of Knowledge Monday, April 13 – Friday, April 17 San Diego, CA Paper presented with Dr. Ashleigh Hillier, UML
- March 2009 Teacher Student Feedback Loop for Technology Training in the Classroom Massachusetts Music Educators' Association
- All-State Conference March 26-28 2009 With Dr. Alex Ruthmann, UML and Pat Fitzpatrick, Lowell High School
- Music Performamatics: Interdisciplinary Interaction. paper presentation, Heines, J.M., Greher, G.R., & Kuhn, S. UML
- ACM SIGCSE 40th Technical Symposium on CS Education, Chattanooga, TN. March 5-8 2009
- March 2009 Creating Authentic Contexts for Music Teacher Preparation
- MENC Eastern Division Conference, Providence RI March 12-14, 2009. Workshop presentation with Dr. Suzanne Burton, University of Delaware

- Sept 2008 One Music Teacher at a Time: A Reciprocal Model for Technology Based Professional Development and New Teacher Training.
- CMS/ATMI Pre-Conference Technology Workshop September 24, 2008 –Electronic Poster.
- Connecting Computer Science and Music Students to the Benefit of Both.
- Association for Technology in Music Instruction (ATMI) 2008 Conference, Atlanta, GA, Sept. 25, 2008..
- The Synergistic Potential of School University Partnerships.
- Panel presentation at the College Music Society (CMS) National Conference “A Changing Profession in a Changing World” September 25-28, 2008 Atlanta, Georgia CMS
- July 2008 Developing Collaborative Relationships: Creating authentic contexts for music teacher preparation
- 28<sup>th</sup> World Conference of the International Society of Music Education ISME, Bologna Italy, July 20-25, 2008-Workshop presentation with Dr. Suzanne Burton University of Delaware
- March 2008 Beyond Lucy Green: Operationalizing Theories of Informal Music Learning- Panel Chair and Discussant- with Randall Allsup; Patrick Jones, Frank Heuser, Ann Clements. New York City
- AERA 2008 Annual Meeting
- Nov. 2007 Music and Multimedia: Bridging the Learning Gap for Music Teachers and Students At Risk. - ATMI Paper
- Night & Day; Cole Porter, Hip Hip, Their Shared Sensibilities and Their Teachable Moments-CMS Paper
- Music as Soundtrack - Presentation  
Presentation to Salt Lake City Middle School students  
CMS Task Force on Community Engagement
- College Music Society 50th National Conference /Association for Technology in Music Instruction (CMS/ATMI), Salt Lake City, Utah
- Oct. 2007 One Music Teacher at a Time: A Reciprocal Model for Technology Based Professional Development and New Teacher Training
- Center for Applied Research in Music Education (CARMU)-  
Conference on Music Learning and Teaching, Oakland University, Rochester, Michigan

- Sept. 2007    Research Meets Reality in School-University Partnerships: An Analysis of Two Diverse School-University Collaborations
- Society of Music Teacher Education (SMTE)-, University of North Carolina Greensboro
- April 2007    A Delicate Balance: When Research Meets Reality in School University Partnerships for Music Teacher Preparation  
Paper presentation with Dr. Suzanne Burton, University of Delaware
- RIME 2007 5<sup>th</sup> Annual Research in Music Education Symposium  
University of Exeter, School of Education & Lifelong Learning  
Published CD of Conference Proceedings
- March 2007    Becoming Techno-Forward: Technology Projects for the Classroom - Presentation
- 50th MENC Eastern Division Conference, Hartford, Connecticut
- Jan. 2007    Transforming Music Teacher Education through School University Partnerships – Paper
- Paper presentation with Dr. Suzanne Burton, University of Delaware  
Charles Leonhard Legacy Symposium-Policies and Practices: Rethinking Music Teacher Preparation in the 21st Century, Teachers College Columbia University, NYC  
Accepted for Conference Proceedings
- April 2006    Teacher Test Prep: A Distance Learning Approach for Music Teacher Licensure Preparation – Research Poster
- MENC National Conference - Salt Lake City, Utah  
Abstract published in Conference Proceedings
- Sept. 2006    Multimedia and the Art of Narrative Development: Preparing Music Educators to Teach with Technology
- Music as Soundtrack  
Presentation to students at MacArthur High School, San Antonio focusing on music's ability to affect one's perception of what is taking place visually. CMS Task Force on Community Engagement
- Association for Technology in Music Instruction/College Music Society (ATMI/CMS) 49th National Conference, San Antonio

- Jan. 2006 From Techno-Phobia to Techno-Forward: A Project Based Approach to Technology Applications in the Classroom  
Technology Institute for Music Educators (TI:ME) Conference
- April 2005 Pre-Practicum Mentorship: A University/School Partnership. Co-presentation with Ann C. Benjamin, Director of Lowell's Demonstration School.  
Massachusetts Association of Colleges of Teacher Education (MACTE) Conference Wooster MA.
- Sept. 2005 Teaching with Technology: Pre-Service Experiential Learning Through a Community Partnership- Research Poster  
Society for Music Teacher Education's Symposium on Music Teacher Education Poster-Session sponsored by the Music Research Institute at the University of North Carolina at Greensboro  
Abstract published in CD of conference proceedings
- April 2004 An Interdisciplinary Approach to Addressing Standards Based Learning.  
Massachusetts Association of Colleges of Teacher Education Conference - Auburn, MA.
- Oct. 2004 Word, Image and Sound: Narrative for a Media-centric Generation.  
School of Visual Arts 18<sup>th</sup> National Conference on Liberal Arts and the Education of Artists. Co-presentation with Karen Roehr, Visual Arts. Algonquin Hotel, New York. Abstract published in conference proceedings
- Jan. 2003 Video Feedback as Reflective Practice In The Classroom Institute for Music Research  
10<sup>th</sup> International Technological Directions in Music Learning University of Texas San Antonio
- April 2002 Terms of Engagement: Music, Media and Middle School Poster Session  
MENC National Conference, Nashville Tennessee  
Abstract published in Conference Proceedings
- Jan. 2002 Music, Multimedia, and Middle School: Interactivity and Interaction.  
Institute for Music Research, 9<sup>th</sup> International Technological Directions in Music Learning, University of Texas San Antonio

**Invited Presentations & Workshops.**

- Feb 2017 Music Educator in Residence  
Conducted Undergraduate and Graduate workshops on Makey Makey Invention Lab and Teaching Music in Scratch  
University of Delaware, Feb 27-March 3
- March 2016 Invited presenter for Ken Zolot's Founder's Journey Class on Music Learning Devices at MIT.
- April 2015 Performamatics: Where Music and Computing Cross  
Workshop with Jesse Heines for Middle School students and their parents  
Cambridge Science Fair, April 22 at the Cambridge Public Library
- April 2011 Massachusetts Northeast District General Music Festival  
Workshop leader for Middle School Session in world music  
April 30, UMass Lowell
- April 2009 CMENC Workshop-SoundThinking  
A workshop for the regional Music Education Student Organization on the projects and focus on this interdisciplinary General Education course linking Digital Audio to Computer Science
- Jan 2009 Malden Schools- Global Music: Exploring the Interdisciplinary Connections- Hired by District Supervisor to run a Professional Development workshop for their music teachers
- March 2008 Wellesley Schools - An Inquiry Based Approach to Teaching and Learning. Hired by District Supervisor to run a Professional Development workshop for their music teachers on curriculum development in music
- March 2007 Technology Applications in the Classroom: It's All About the Context! This highlightst the importance of working in a project based environment for training music education majors about interdisciplinary strategies to incorporate in their own classrooms  
Massachusetts Music Educators Association All-State Conference  
Boston, MA.
- June 2006 Toward Tanglewood II: Music as a Person Centered Process  
Teachers College Columbia University, N.Y.  
"Technology as a Person Centered Process: A Contextual Framework for Music Education" –An examination of the role technology has played in shaping educational practice.  
One of eight satellite symposia working on various educational issues in advance of the Tanglewood Symposium II, taking place on its 40<sup>th</sup> anniversary July 2007

- April 2006 Society for Music Teacher Education (SMTE)  
Special Action Group Report- Pre-Conference session  
“School University Partnerships” – presentation of research with  
Suzanne Burton, University of Delaware
- March 2006 A Pre-Service Mentorship as Experiential Learning Lab  
Session will explore a year long pilot mentorship between the  
UMass Lowell Demonstration School and the UMass Lowell Music  
Education program, the lessons learned, the benefits and the  
pitfalls. Massachusetts Music Educators Association All-State  
Conference - Boston, MA.
- March 2005 Music, Literacy and Learning Standards: Exploring the  
Connections. Massachusetts Music Educators Association All-  
State Conference  
Boston, MA.
- March 2005 UMass Lowell String Project Presentation with Kay G. Roberts  
American String Teachers Association National Conference,  
*Strings Alive in 2005*  
Reno,NV.
- March 2004 World Music as Communal Music Making and  
Creation Myths: A Multicultural Approach to Arts Integration  
Massachusetts Music Educators Association All-State Conference  
Danvers, MA.
- March 2003 Celluloid Illusions and the Magic of Music: Creating Analytical  
Listeners in Middle School.”  
Workshop Presenter -Massachusetts Music Educators  
Association All-State Conference  
Danvers, MA.
- Sept. 2003 MCMENC Opening Session at UML  
Workshop Presenter for Regional Collegiate Chapter of MENC,  
the National Association of Music Educators.
- May 2003 Very Special Arts Fair, NYC  
Hands-on music-making workshops for a variety of special needs  
students throughout the day in conjunction with NYC School  
District 75.
- May 2000 Very Special Arts Fair  
Coordinator of an interactive children's concert, given by “Spirit” in  
collaboration with the Creative Arts Laboratory at Teachers  
College, Columbia University for students in District 75, NYC

**Professional Development Workshop Presenter and/or Organizer**

- March 2013      Composition in the Classroom -Professional Development Workshop for Lowell Music Teachers featuring Janice Smith & Michele Kaschub editors of *Composing Our Future* by Oxford University Press
- Nov 2010        Harlem String Quartet - UMass Lowell String Project 10<sup>th</sup> Anniversary Celebration Workshop. A workshop for String Project students, UML students, and local music teachers.
- Nov 2009        Jeanne Bamberger Symposium on Musical Intuition  
A 3-day symposium featuring key-note address by Jeanne Bamberger, presentations to students, panel presentations, concerts, student and teacher workshops
- March 2006      Crossing Over: Explorations in Cross-Cultural Musical Improvisation with Jesus Eduardo Florido  
Presenter and organizer of a two day workshop geared to Lowell area Music Teachers, UML Music Education students and String Project Participants
- Feb 2006        Becoming TechnoForward In The Music Classroom  
Presenter and organizer of all day hands-on workshop for Lowell area Music Teachers with presentations from Chuck Johnson, Mindware Music and Wayne Splettstoesz, Connecticut music educator of the year.
- April 2005      World Music Workshop at UMass Lowell, - Workshop  
Presenter and organizer of all day workshop for Lowell area Music Teachers in the music of India and South Africa and the connections into the classroom
- 2000-01        Creative Arts Laboratory (CAL), Teachers College  
Workshop Presenter for Special Needs District 75 teachers and Assistant principals
- '99-2000        Creative Arts Laboratory, Teachers College  
Presented and organized a series of Professional Development workshops that were given in Queens and Brooklyn for participating teachers in the CAL program.
- Aug. 1999      District 75 Administrators – PS177Q  
Presented a Hands-on workshop for principals and assistant principals, linking music to literacy.
- May '99-'02     Carnegie Hall Weill Institute at the High School of Economics and Finance  
Presenter of student workshops in “Music as Soundtrack-Classical Music in Film” once every fall and spring for 4 years



- Dec. 1999      New York City Hospital Schools  
Organized and presented hands-on professional development workshops for hospital teachers linking music to literacy.
- Nov. 1999      PS 224Q  
Organizer and Presenter for hands-on workshops for 150 District 75 teachers linking literacy to movement and music.
- Sept. 1999      New York City Hospital Schools  
Organized and Presented hands-on professional development workshops for hospital teachers linking music to literacy.
- Nov. 1997      Joan of Arc Middle School – Manhattan,  
CAL workshop for the school's teachers on developing interdisciplinary ideas and strategies for integrating the arts

### **Current Professional Memberships**

- National Association of Music Educators (MENC) 1994 to present  
Society of Music Teacher Education (SMTE) 2005 to present  
International Society for Music Education (ISME) 2003 to present  
College Music Society (CMS) 2000-Present  
Association for Technology in Music Instruction (ATMI) 2006 to present  
Kappa Delta Pi- Educational Honor Society – 1999 to present  
American Federation of Musicians (AFofM) 1970 to present

### **Professional Honors and Awards**

- 2014              Nancy Donahue Endowed Professor of the Arts
- 2014              Transformational Education Award – Innovative Uses of Technology
- 2013              UMass Lowell Innovation in Teaching Award for Interdisciplinary Work
- 2013              UMass Lowell Service Learning Award
- 2008              UMass Lowell Teacher Recognition Award
- 2007              Who's Who in American Women
- 2006              UMass Lowell Student Chapter of the Year – MENC  
  
National Award for Excellence – Awarded to our collegiate chapter by MENC
- 2005              Honorable Mention –UMass Assessment of Student Learning with Technology Award.
- 2004              U.S. Department of Education Citation  
UML String Project Performance at the No Child Left Behind Teacher To Teacher Summer Conference, Boston, MA

2004	Outstanding Faculty Advisor – UMass Lowell
2004	MENC award for Outstanding Growth for a collegiate chapter
2003	UMass Lowell Student Chapter of the Year – MENC
1999	Elihu Rose Fellowship- Teachers College Columbia University
1999	Kappa Delta Pi - International Honor Society In Education
1990	Who's Who in Entertainment
1978-91	Winner of CLIO awards, ONE SHOW GOLDEN PENCIL, ART DIRECTOR'S CLUB, BIG APPLE RADIO AWARDS, MOBIUS, ADDY, ANDY, CEBA, INTERNATIONAL RADIO FESTIVAL and IBA.

### **Non-Teaching Activities**

<b>2018-20</b>	<b>President, Association for Technology in Music Instruction (ATMI)</b>
<b>2017-19</b>	<b>CMS – Professional Development Committee</b>
2017-18	College Music Symposium Editorial Board, Instructional Technologies and Methodologies
2016	Adhoc Reviewer for NSF
2016-present	Reviewer of Music technology text for Oxford University Press
2016	Oxford University Press Music Education Blog Contributor <a href="http://blog.oup.com/2016/01/new-years-resolutions-music-education/">http://blog.oup.com/2016/01/new-years-resolutions-music-education/</a>
2014	Oxford University Press Music Education Blog Contributor <a href="http://blog.oup.com/2014/10/important-issue-music-education-today/">http://blog.oup.com/2014/10/important-issue-music-education-today/</a>
2011-14	Vice President- ATMI, Association for Technology in Music Instruction
2011/13	ATMI Program Committee Chair and CMS Conference Committee Member
2012-	Reviewer of music technology texts for Routledge
2011-2013	SMTE Facilitator for School University Partnership ASPA (Areas for Strategic Planning and Action)
2010/11	Eastern Regional MENC Collegiate Chair

2010/11	CMS International Conference Committee Member - Korea
2009/10	ATMI Conference Committee Member
2008-Present	Editorial Review Board <u>Visions of Research in Music Education</u> Visions of Research in Music Education is a fully refereed critical journal appearing exclusively on the Internet.
2008	Document Reviewer for Mass. DOE- UMass Amherst Music Teacher Licensure program
2007	ATMI Conference Committee Member
2007	Document Reviewer for Mass. DOE- Bridgewater State College Music Teacher Licensure program
2006	UMASS Lowell/Lawrence partnership Steering committee to develop a collaboration between Lawrence High School for the Performing and Fine Arts and UMass Lowell. Involves developing an interdisciplinary curriculum and student internships
2004	Consulting - Teachers College Columbia University Supervising students completing their student teaching in MA
2004	The Special Music School at Kaufman Center (NYC), Facilitator of roundtable discussion regarding twice yearly performance evaluations including submission of an evaluation report proposing recommendations
2004	The Dalton School (NYC), Music Program Evaluation Member of three person evaluation team that met with administrators and faculty, observed classes and submitted evaluation and proposal of recommendations
2004	Keck Foundation, Outside Grant Evaluator Served as an outside evaluator for an interdisciplinary technology grant worth \$650,000 for a west coast liberal arts college
2002	NICK JR./MTV Networks Arts Education consultant for the pilot of a new pre-school television show.
1999-2002	Project Associate Creative Arts Laboratory , Teachers College, Columbia University Coordinate workshops and Teaching Artist/Mentors with Schools. Gave presentations and hands-on workshops to school administrators. Responsibilities included working with Dr. Lenore Pogonowski, Project Director, on budgeting, grant writing for the project and developing a Web site for the project.

- 1999 Creative Arts Laboratory Web-Site  
Interactive Database Web Design –Supervisor and programmer
- 1998 Creative Arts Laboratory Promotional Video Presentation  
Producer/editor
- 1997 Creator and designer of a pilot software application for Middle School General Music  
*Picture This! © 1997: An interactive listening environment for middle school general music*

## RESEARCH

### Grants & Contracts

- 2019 Lowell Cultural Council - Music, Acceptance and Well Being - \$2,040**  
The goal is to bring the Me/2 orchestra (<https://me2orchestra.org>) founders along with some members to campus for workshops and panels, as well as a coaching session with the UMass Lowell String Project students.
- 2017 UMass Lowell Transformational Education Initiative Mini-Grant - \$2,000**  
A service-learning project as part of a new music pedagogy class, Progressive Performance and Production that is focused on informal participatory music making practices both in schools and community settings.
- 2015 UNESCO/Thelonius Monk Institute - Music, Math and Intuitive Pathways to Understanding and Learning - \$12,025**  
This project is a contribution to the Math Science and Music Web Initiative <https://mathsciencemusic.org> and builds on Jeanne Bamberger's work on rhythm, ratio, proportion, fractions and common multiples within her software program *Impromptu*. Our project ***Making Music Count*** <https://mathsciencemusic.org/#/project/making-music-count> draws developing students' initially implicit knowledge of music and its inherent mathematics.
- 2014 UMass President's Creative Economy Initiatives Fund-\$40,000. Discovering Cultural Identity and Self Identity: Creating Spaces for Cambodian-American Adolescents to explore their Cultural and Artistic Heritage. Co-PI with Alan Williams, Music Business
- 2013 Service Learning Mini Grant- \$1,000 Musical Outreach Project for MaKey MaKey Invention Kit and Melody Morph Music App
- 2011 National Science Foundation TUES Type II #0722161: Computational Thinking Through Computing and Music – \$449,995 -One of two Co-PI's with Jesse Heines, PI Computer Science Department.  
<http://www.performamatics.org>

- 2011 Healey Seed Grant \$9,988 – “Music Technology Partnerships: Is There an App for That”- An investigation of iPads in the Music Classroom.
- 2009 RET Supplemental Grant - Research Experience for Teachers (RET) to our CPATH grant. – Heines (PI) Award 0722161
- 2007 Healey Grant \$4,800 - SoundScapes  
Healey Public Service Grant -\$5,000 – UML String Project
- 2007 National Science Foundation CPATH CB DUE #1118435  
Performamatics: Connecting Computer Science to the Performing, Fine, and Design Arts - \$368,162.00  
One of five Co- Principal Investigators with Jesse Heines, PI Computer Science Department - In this project we propose the development of *Performamatics*, a specialty track that integrates computing with the performing, fine, and design arts.
- UML Diversity Initiative Funds – Tango with Ben Bogart y los Gatos Azules. - \$500-Co-Sponsor with Paula Telesco  
Tango workshop for string project participants and performance for UML community.
- UML Diversity Initiative Funds – Cultural Social Events and Exchange: Sitar and Tabla Instrumental Performance -Indrajeet Banerjee & Gauri Shankar- \$750 – Co-Sponsor with Supriya Lahiri and Alan Williams  
Performance demonstration and concert for Lowell High School Students and an afternoon recital hour demonstration and evening concert in Durgin Concert Hall
- 2006 Professional Development Grant in Instructional Technology University of Massachusetts  
*The Virtual Listening Room* - \$8,000 Principal Investigator  
The award was jointly sponsored by the President’s Office, the campuses and the Information Technology Council.
- Summer Experiences in Greater Lowell Initiative 2006 sponsored by United Way of Merrimack Valley-\$4,000  
Grant in support of the UMass Lowell String Project Summer program – Co-principal investigator with Dr. Kay G. Roberts
- 2005 Council on Diversity and Pluralism Seed Grant-\$3,000  
Principal Investigator. Development of professional development workshops for Lowell area music teachers in developing strategies for teaching World Music.
- 2004 CFCI grant. Co-Principal Investigator with Ann Benjamin of the Lowell Demonstration School-\$8,500  
This project explores the relationships between technology and music to create an interdisciplinary approach for developing

- literacy skills. UML Music Studies students would work with Demonstration School students to teach musical concepts, technology applications and storytelling through a variety of multimedia projects
- 2004 Council on Diversity and Pluralism Seed grant-\$3,000 Principal investigator for the development of professional development workshops for Lowell area music teachers in developing strategies for teaching World Music.
- 2003 Professional Development Grant in Instructional Technology for Academic Development for *Licensure Preparation Web Site for the Massachusetts Educator Certification Tests in Music*-\$10,000. Principal Investigator - The award was jointly sponsored by the President's Office, the campuses and the Information Technology Council.
- 2003 Council on Diversity and Pluralism Seed grant-\$1,500 Principal Investigator to oversee a group of Music Studies Juniors, Seniors and Grad students who will work with Lowell area String Project participants to explore their cultural heritage through the music of the students' various cultures.
- 2001-04 Procured two 3-year contracts for the Creative Arts Laboratory at Teachers College with the New York City Board of Education-\$260,000 & \$220,000 per year. Co-Investigator with Lenore Pogonowski Professional Development grant for Project Arts and for Professional Development in Multicultural Education
- 1999 Phillip Morris for the Creative Arts Laboratory-\$10,000 Co-Investigator with Lenore Pogonowski, Project Director

### **Academic & Professional Publications**

#### **Refereed Publications, Books & Book Chapters:**

##### **Book**

Greher, G.R. & Heines, J. M. (April 2014) *Computational Thinking in Sound: Teaching the Art and Science of Music and Technology*, New York/Oxford University Press

<http://global.oup.com/us/companion.websites/9780199826193/>

##### **Book Chapters (Peer Reviewed)**

Greher, G.R. (In Press) **Music Technology as an Intuitive and Inclusive Pathway to Musical Thinking, Learning, and Doing**. Lee Willingham (Ed.) *Walking the Boundaries*, WLU Press

Greher, G.R. (In Press) **What a Wonderful World: Ear Training, Sequencing & Chunking Tunes in Scratch**. Adam Patrick Bell (Ed) *The Music Production Cookbook: Ready-Made Recipes for the Classroom*. Oxford University Press

**Greher, G.R. (2017) Technology in Music Teacher Education and the Enigma of Invisibility.** S. Alex Ruthmann & Roger Mantie (Eds) *Oxford Handbook of Technology and Music Education*, Oxford University Press

**Greher, G.R. (2017) On Becoming Musical: Technology, Possibility and Transformation.** (further perspective; a response to several author's chapters) S. Alex Ruthmann & Roger Mantie (Eds) *Oxford Handbook of Technology and Music Education*, Oxford University Press

**Greher, G.R. (2017) Digital Music Composition In and Out of School Learning.** Kylie Peppler (Ed) *The SAGE Encyclopedia of Out-of-School Learning*. SAGE Publications.

Greher, G.R. (2014) What If . . . ? A Curriculum in Support of Technology, Curiosity, and Play in Music Teacher Education. Michele Kaschub & Janice Smith (Eds.) *Promising Practices in 21st Century Music Teacher Education*, Oxford University Press.

Greher, G.R. (2013) Creating School-University Partnerships To Enhance Learning. Michele Kaschub & Janice Smith (Eds.) *Composing Our Future*, Oxford University Press.

Greher, G.R. (2012). Informal, Intuitive, Interdisciplinary & Interactive: Middle School General Music with a Twist. In S. Burton (Ed.), *Engaging musical practices: A sourcebook for middle school general music*. Lanham, MD: Rowman and Littlefield.

Greher, G.R. (2012). Music education at the perpetual crossroads: A response to the effects of technology on music learning. In A. Palmer & A. DeQuadros (Eds.) *Tanglewood II: Summoning the future of music education*. Chicago: GIA.

#### **Invited Book Chapter (Peer-Reviewed)**

Burton, S. L., & Greher, G. R. (2010). Research Meets Reality in School-University Partnerships: An Analysis of Two Diverse School-**University** Collaborations. In M. Schmidt (Ed.), *Collaborative action for change: Selected proceedings of the 2007 Symposium on Music Teacher Education*. Lanham, MD: Rowman & Littlefield.

#### **Peer Reviewed Journal Publications:**

##### **Guest Co-Editor/Author - Special Editions**

Greher, G.R. & Ruthmann, S.A. (2012) Curiosity, Creativity and Cognition: A Window Into Jeanne Bamberger's Work ([Visions of Research in Music Education](http://www-usr.rider.edu/%7Evrme/v20n1/visions/Editorial%20Bamberger.pdf). Eds. Greher, G.R. & Ruthmann, S.A. <http://www-usr.rider.edu/%7Evrme/v20n1/visions/Editorial%20Bamberger.pdf>

Greher, G.R. & Ruthmann, S.A. (Nov 2012) On Chunking, Simples and Paradoxes: Why Jeanne Bamberger's Research Matters

Visions of Research in Music Education. Eds. Greher, G.R. & Ruthmann, S.A.  
<http://www-usr.rider.edu/%7Evrme/v20n1/visions/Greher%20Ruthmann%20Bamberger.pdf>

Burton, S.L. & Greher, G.R., (2011) School-University Partnerships: Re-Envisioning Music Teacher Education Arts Education Policy Review (AEPR) Symposium on School University Partnerships. 112, (3) Guest Eds. Burton, S.L., & Greher, G.R. Washington D.C.  
<http://www.tandfonline.com/doi/abs/10.1080/U4yl-17Zf1o>

Greher, G.R., (2011) Music Technology Partnerships: A Context for Music Teacher Preparation Arts Education Policy Review (AEPR) Symposium on School University Partnerships. 112, (3) Eds Burton, S.L., & Greher, G.R. Washington D.C.  
<http://www.tandfonline.com/doi/abs/10.1080/10632913.2011.566083>

### Peer-Reviewed Articles

**Greher, G.R. (May 2020) Music & Well Being: Teaching Non-Traditional Music Learners with Compassion and Empathy.** Conference Proceedings of Visions of Research in Music Education: The Conference, Westminster Choir College, May 2019

**Greher, G.R. (2019) Soundtrap: A Browser-Based Digital Audio Workstation.** College Music Symposium Vol 59, No. 1 Winter, 2019  
<https://symposium.music.org/index.php/current-issue/item/11422-soundtrap-a-browser-based-digital-audio-workstation>

Hillier, A., Greher, G. R., Queenan, A., Marshall, S.H., Kopec, J. (2015). **Music, Technology and Adolescents with Autism Spectrum Disorders: The Effectiveness of the Touch Screen Interface.** Music Education Research, Exeter, England  
<http://www.tandfonline.com/doi/abs/10.1080/14613808.2015.1077802?journalCode=cmue20#.VgRU3WCVV3g>

Heines, J.M., Greher, G.R., Ruthmann, S.A., & Reilly, B. (2011). Two Approaches to Interdisciplinary Computing+Music Courses. IEEE Computer 44(12):25-32, December 2011.  
<https://teaching.cs.uml.edu/~heines/academic/papers/2011ieee/ieee2011paper-v33-forWebsite.pdf>

Hillier, A., Greher, G., Poto, N., & Dougherty, M. (2011). Positive outcomes following participation in a music intervention for adolescents and young adults on the autism spectrum. Psychology of Music.  
<http://pom.sagepub.com/content/40/2/201.abstract>

Greher, G. R. (Fall 2011) Night & Day: Cole Porter, Hip Hop, Their Shared Sensibilities and Their Teachable Moments, College Music Symposium 50<sup>th</sup> Anniversary Edition College Music Society Vol 49-50 2011/12  
[http://symposium.music.org/index.php?option=com\\_k2&view=item&id=9123:night](http://symposium.music.org/index.php?option=com_k2&view=item&id=9123:night)



[-day-cole-porter-hip-hop-their-shared-sensibilities-and-their-teachable-moments&Itemid=146](#)

Greher, G.R., Hillier, A., Dougherty, M., & Poto, N. (2010). SoundScape: An Interdisciplinary Music Intervention for Adolescents and Young Adults on the Autism Spectrum. International Journal of Education & the Arts (IJE) 11, (9) ISSN 1529-8094 <http://www.ijea.org/v11n9/>

Martin, Greher, Heines, Jeffers, Kim, Kuhn, Roehr, Selleck, Silka, and Holly Yanco (2009) Joining Computing and the Arts at a Mid-Size University. In Journal of Computing Sciences in Colleges Volume 24, Issue 6 (June 2009) <http://dl.acm.org/citation.cfm?id=1530014&dl=ACM&coll=DL&CFID=349802843&CFTOKEN=37456427>

Greher, G.R. (2008) Beyond Lucy Green: Operationalizing Theories of Informal Music Learning: Response to Panel - Dimensions and Tensions of Disconnect in Music Teacher Preparation Visions of Research in Music Education Volume 12, September <http://www-usr.rider.edu/%7Evrme/v12n1/vision/5%20AERA%20-%20Greher.pdf>

Burton, S.L. & Greher, G.R. (2007) School-University Partnerships: What Do We Know and Why Do They Matter? Arts Education Policy Review, Washington D.C. Volume 108, No. 7, September/October <http://www.tandfonline.com/doi/abs/10.3200/AEPR.109.1.13-24#preview>

Greher, G.R. (2007). "If you Build It...: An Examination of a Distance Learning Approach for Music Teacher Licensure Test Preparation" Journal of Music Teacher Education, Reston, Virginia: Music Educators National Conference Vol. 16 No. 2 Spring 2007 <http://jmt.sagepub.com/content/16/2/61.extract>

Greher, G.R. (2006) Transforming Music Teacher Preparation Trough the Lens of Video Technology," Journal of Music Teacher Education, Reston, Virginia: Music Educators National Conference Vol. 15 No. 2 Spring 2006 <http://jmt.sagepub.com/content/15/2/49.extract>

Greher, G.R., Tobin, R.N.(2006) Taking the Long View Towards Music Teacher Preparation: The Rationale for a Dual Degree Program. Music Educator's Journal Reston, Virginia: MENC Vol. 92 No. 5 May 2006

Greher, G.R. (2003) Multimedia in the Classroom: Tapping into An Adolescent's Cultural Literacy. Journal of Technology in Music Learning Music and Arts Publications/ Tallahassee Vol. 2 No. 2 Fall/Winter 2003 [http://www.atmimusic.com/wp-content/uploads/2013/05/JTML.2.2c\\_Greher\\_Multimedia-in-the-classroom.pdf](http://www.atmimusic.com/wp-content/uploads/2013/05/JTML.2.2c_Greher_Multimedia-in-the-classroom.pdf)

Greher, G.R. (2001). Lessons in Analytical Listening from the Reel World, General Music Today. Reston, Virginia: Music Educators National Conference. Fall 2001, V 15 <http://gmt.sagepub.com/content/15/1/9.extract>

**Refereed Conference Proceedings:**

Greher, G. R. (2016) Teaching Outside the Box: Community Music Pathways as a Lens for Re-Imagining, Re-Defining, Re-Invigorating Music Teacher Education. 2016 CMA Conference Proceedings.

<https://www.isme.org/other-publications/cma-proceedings-2016>

Ruthmann, S.A., Heines, J.M., Greher, G.R., Laidler, P., Saulter, II, C. (2010) Teaching Computational Thinking through Musical Live Coding in Scratch. ACM SIGCSE 41st Technical Symposium on Computer Science Education March 10-13, 2010, Milwaukee, WI,

Heines, J.M., Greher, G.R., & Kuhn, S. (2009). Music Performamatics: Interdisciplinary Interaction. ACM SIGCSE 40th Technical Symposium on CS Education, Chattanooga, TN

Burton, S.L. & Greher, G.R. (2007) Research Meets Reality in School-University Partnerships: An Analysis of Two Diverse School-University Collaborations- SMTE Symposium On Music Teacher Education: Collaborative Action for Change September 13-15, 2007 University of North Carolina at Greensboro CD of conference proceedings

Greher, G.R. & Burton, S.L. (2007) A Delicate Balance: When Research Meets Reality in School University Partnerships for Music Teacher Preparation-RIME 2007 5<sup>th</sup> Annual Research in Music Education Symposium, Published CD of Conference Proceedings

Burton, S.L. & Greher, G.R. (2007) Transforming Music Teacher Education through School University Partnerships-Charles Leonhard Legacy Symposium

Greher, G.R. (2006) Teacher Test Prep: A Distance Learning Approach for Music Teacher Licensure Preparation-MENC Archives

Greher, G.R. (2005) Teaching with Technology: Pre-Service Experiential Learning Through a Community Partnership Society for Music Teacher Education's National Symposium on Music Teacher Education Conference Proceedings CD.

Greher, G. R. (2004) Word, Image and Sound: Narrative for Mediacentric Generation, 18<sup>th</sup> National Conference on Liberal Arts and the Education of Artists, Online Conference Proceedings.

Greher, G.R. (2003) Video Feedback As Reflective Practice In The Classroom, Institute for Music Research TDML ejournal. Tenth International Technological Directions in Music Learning conference proceedings, January 29 –February 1, 2003.

Greher, G.R. (2002) Music, Multimedia and Middle School: Interactivity and Interaction, Institute for Music Research TDML ejournal. Ninth International Technological Directions in Music Learning conference proceedings, January 24 - 26, 2002.

**Other Non Refereed Publications:**

**Greher, G.R.,(2018)** Making Music Count: An Interdisciplinary Journey into Music Teacher Education, Massachusetts Music Educators Journal Vol 67 (1)

Greher, G.R. (2016) Including Everyone: Creating Music Classrooms Where All Children Learn, by Judith A. Jellison. American Music Teacher Book Review Oct/Nov 2016

Greher, G.R. (2009) The Musical Playground: Global Tradition and Change in Children's Songs and Games. American Music Teacher Book review Aug 1, 2009 ISSN: 0003-0112

Greher. G. R. (2007) Podcasting: The Next New Thing or the Same Old Thing?, Massachusetts Music News MENC:MMEA Vol 55, No 3: 83

Greher. G. R. (2006) What I Learned at Band Camp and Why Technology Matters, Massachusetts Music News MENC:MMEA Vol 54, No 3

Lipscomb, S.D. (2005) Incorporating Multimedia Software & Popular Music into the Middle School General Music Classroom  
TI:ME Newsletter Fall 2005-Review of Greher, G.R. (2004). Multimedia in the classroom:Tapping into an adolescent's cultural literacy. Journal of Technology in Music Learning, 2(2), 21-43.

Greher. G. R. (2005) What's Your Classroom Climate?: Setting the Tone for All to Learn, Massachusetts Music News MENC:MMEA Special Conference issue on Diversity in the Music Classroom Vol. 53 No.

Greher, G. R. (2003) Let's Not Forget, It's All About the Students, Massachusetts Music News MENC:MMEA Vol. 52 No. 2 Winter 2003

**Research, Reports, or Creative Activities****Research****mathsciencemusic.org –**

Contributor of additional interdisciplinary curriculum development, teacher's guides and Scratch Puzzle game design and implementation for the Thelonious Monk Institute's STEAM initiative's website <https://mathsciencemusic.org>

**Music, Math and Intuitive Pathways to Understanding and Learning – UNESCO World Jazz Day & The Thelonius Monk Institute**

As UNESCO's Cultural Ambassador, Herbie Hancock reached out to Jeanne Bamberger regarding the development of a Math and Music curriculum. She in turn brought me and Eric Rosenbaum into the development of a Math & Music curriculum project. This project builds on Jeanne Bamberger's work developing and teaching with her groundbreaking music software program *Impromptu*. <https://makingmusiccount.org>

Licensing Music Teachers for 21st Century Skills – National research survey launched with Michael Testa and student researchers, Graham Allen and Paul Delabreure - March 2015 – the purpose of which is to discover policy issues that may hinder the ability of music education students and music teacher to successfully implement technology based teaching strategies in their classrooms.

MaKey MaKey Invention Kit & Melody Morph iPad App Projects, Spring 2014- Working with Eric Rosenbaum, Creator and Inventor/Doctoral Candidate MIT Media Lab's Lifelong Kindergarten Group, and several UMass Lowell Graduate students and undergraduate seniors in music education, we researched the potential for classroom use with 5<sup>th</sup> grade students in two Lowell Public Schools.

Autism SoundScape Pilot Project, Fall 2007-Present Working with Dr. Ashleigh Hillier from UML's Psychology department, this research project will evaluate a Music intervention program for high functioning adolescents and young adults with an autism spectrum disorder (ASD).

Professional Development Feedback Loop in Teaching with Technology -Fall 2007- This project is examining the effect of sustained classroom field experiences within a High School technology lab in teaching future music teachers to teach with technology. Who is learning from whom?: Students, pre-service teachers, classroom teacher, university faculty.

Lowell Middlesex Alternative High School – UML Music Technology Academy Project – 2006-  
The Principal of the High School has requested UML students from music studies/sound recording to conduct a class for students at risk of dropping out of school.

Bartlett Community Partnership School – Music Technology Literacy Projects 2005- Present  
Overseeing music studies seniors in teaching general music strategies that will incorporate technology and literacy development. Currently working in partnership with the school's music teacher who is a UML graduate.

Creative Sound Play Project –2002- Present  
A supplementary offering to the second year participants in the ASTA funded String Project called Creative Sound Play (CSP). In this class fourth and fifth graders work with the UMass Lowell upper-level music studies students who are taking the General Music Methods sequence, in exploring improvisation, composition and performance techniques.

## Reports

Greher, G.R. & Williams, A. (2015) UMass Presidents Office, 6 Month Report on 2014 Creative Economy Award

Fallon, J & Greher, G.R. (2012) Bunker Hill Community College Arts Program Evaluation Report

Greher, G.R. (2007) University of Massachusetts 2006-07 Final Report on Professional Development Grant - "The Virtual Listening Room"

Greher, G.R. (2004) Evaluation Report to The Special Music School at Kaufman Center in New York City Facilitator for *Twice Yearly Evaluations Roundtable* – June 14, 2004

Custodero, L.A., Greher, G.R., Schruttt, B. (2004) Evaluation Report for Review of The Dalton School's Music Program, K-12 in New York City – March 2004.

Greher, G.R. (2004) University of Massachusetts 2003-04 Final Report on Professional Development Grant - "Licensure Preparation Web site for the Massachusetts Educator Certification Tests in Music"

Greher, G.R. (2004) University of Massachusetts Final Report Council on Diversity and Pluralism Seed Grant Final Report FY 03-04 – "Creative Sound Play: Our Musical Roots"

Greher, G.R. (2002). Picture this! © 1997: An interactive listening environment for middle school general music. Unpublished Dissertation, Teachers College Columbia University, New York.

Greher, G.R. (1998-200) Creative Arts Laboratory Video Collecting video documentation for research, educational and fund-raising presentations.

Evaluation of Carnegie Hall LinkUP!-Phase II, (1999)  
Part of a team of researchers who Interviewed classroom teachers, teaching artists, parents and students regarding the effectiveness of the program and prepared a written summary for the evaluators based on those findings.

#### **A. INSTRUCTION RELATED ACTIVITY**

(SoundThinking is a new General Education course I developed with Jesse Heines from Computer Science; Curriculum Design is a new course created for the Master of Music in Music Education degree program. I have developed the curriculum for all of the pre-existing UML courses listed)

##### **Teaching**

**MUED 2470 Practical Accompaniment-** New required course for all music studies students to provide experiences and pedagogical

foundation for accompanying students on keyboard, guitar and with technology.

- MUED 2490 Progressive Performance and Production Pedagogy** – New required course created to provide the philosophical and pedagogical foundations for informal learning as well as require service learning experiences in the community at music clubhouses, senior centers and on campus.
- MUED 2110 **Sound Thinking** - Sound Thinking is an interdisciplinary elective for sophomore-level undergraduates, that explores issues of sound production, musical form, or music in multimedia, depending on faculty and student interest. It is co-taught by Music and Computer Science Faculty.
- MUED 5220 **Curriculum Design in Music Education** (3 Credits)  
In this course students will construct an understanding of the process of curriculum design. We will focus upon the processes of framing and solving curriculum design problems in music education
- MUED 4200 **General Music Methods 1** (3 Credits)  
Designed to involve undergraduate students as active participants, the approach is multi-disciplinary within the field of music. Includes pre-practicum observations.
- MUED 4300 **General Music Methods 2** (3 Credits)  
This course provides an overview of the educational, philosophical and psychological rationales that support the varied musical experiences at all levels of music learning consistent with the Massachusetts Arts Curriculum Framework. Includes pre-practicum observations.
- 73.410 **Global Music for the Classroom** (Originally titled Multicultural music in Education) (3 credits)  
Music and its relationship to other subjects in the curriculum is explored as a means to facilitate student's abilities to make cross-cultural and multi-disciplinary connections. Includes pre-practicum observations.
- MUED 3010 **Technology in Music Education** (3 credits)  
The course will explore the technology available to classroom music teachers as well as their real world applications.
- MUED 6010 **Master's Seminar** (3 credits)  
This course examines the impact of popular culture on today's youth and its implications for the study of music. Using music from various media as a springboard, there will be an emphasis on the

development of multi-media teaching strategies for the K-12 music classroom. Includes qualitative actions research project

MUED 4960 **Directed Study** (1-3 credits)

**Pre-Practicum Internships**

**Community Music Outreach Practicums 1 & 2**

**Community Music Internship Advisor** - Steven Aitchison, Jared Logan, Matt Vayanos, Seth Bailin, Julie Rousseau, Savannah Marshall, Yumeng Du, Jie Yin, Baouri Ouyang

**Dissertation Committee Member- Mike Testa, Janet Welby,**  
Marguerite Weidknecht –GSE-Spring 2011

**Master's thesis advisor to:** Lisa Tiano, Joseph Lordan, Joe Janack, Daniel Vasconcelos, Emily LaPointe, Adria Smith, Amy Smid, Janet Welby, Cori Smith, Annabel Hasty, Kristin Neves, Sarah Collmer, Sally Lincoln-Vogel,

Teachers College Columbia University

(I developed the curriculum for Music for the World's Children and Integrating Music in the Classroom)

**Music for the World's Children** –Spring 2001, Spring 2002/Open to Music Majors and Non-Music Majors - Graduate Level  
Music and its relationship to other subjects in the curriculum is explored as a means to facilitate student's abilities to make cross-cultural and multi-disciplinary connections.

**Creativity and Problem Solving in Music** - Fall 2000, Fall 2001/Music Majors - Graduate Level  
Designed for pre-service and in-service students to experience and explore critical thinking. As a means for developing a framework for music learning at all levels. I designed and supervised the online component for the course

**Integrating Music in the Classroom** – Summer 2000, Summer 2001/Open to Music Majors and Non- Majors - Graduate Level  
Focused on music and its relationship to other curriculum areas as a means to facilitate students' abilities to make connections and conceptualize points of view from a variety of perspectives.

Boston University, College of Communications

**Audio Techniques** - Spring 1975  
Undergraduate course in radio production and audio recording techniques

**Documentary Film** - Spring 1975  
Undergraduate survey course in Documentary Film and Television

**TV Production Techniques**- Fall 1975  
Course assistant for undergraduate Television production course

### Other Activity and Accomplishments Related to the Instructional Function

- July 2014 Music & Multi Media at the Intersection of Creativity & Learning – Weeklong music teacher class/workshop  
Central Connecticut State University
- Sp' 2010 Guest Asst. Prof – A&HM 5026 -Music Skills and Creative Strategy - Designed for pre-service and in-service majors to examine and experience problem-solving techniques for developing musical skills within the framework of the creative strategy. A&HM 5033 Comprehensive musicianship II- An examination of 19th century theoretical constructs through analysis, composition, critical listening, improvisation, and performance. A&HM 5047 Creative strategies for teaching music literature- selected works from the repertoire serve as the basis for demonstrating how to develop creative music strategies for teaching and enhancing the learning of music literature at all levels, including college teaching.
- April 2010 Guest Lecturer on Technology in Music Education  
Janice Smith's Undergraduate and Graduate Music Methods classes, April 14, 2010 Queens College, CUNY
- 2009 Research Assistant Relations presented research at UML and State student research honors symposia
- 2007-Present SoundScape- SoundScape is an interdisciplinary, university based Music intervention for high-functioning adolescents and young adults with autism spectrum disorders (ASD)  
[http://faculty.uml.edu/ahillier/SoundScape\\_Music\\_Program.htm](http://faculty.uml.edu/ahillier/SoundScape_Music_Program.htm)
- 2005-Present Developing a partnership with Lowell Fine Arts Coordinator to provide professional development for Lowell music teachers
- 2004 Creation and implementation of a test preparation web-site to help music studies students prepare for the Massachusetts Test for Educator Licensure.
- 1999-02 Creative Arts Laboratory, Teachers College Columbia University  
Supervised all Creative Arts Laboratory's Teaching Artists.
- 1998-01 PS. 106/Bellevue Hospital- worked with classroom teacher and music teacher integrating arts into curriculum with severely emotionally disturbed students
- PS 191 – Manhattan/ Working with the music teacher for a Pre K program
- 1997-98 PS 310 – Bronx / Worked with five teachers from 1<sup>st</sup> through 4<sup>th</sup> grade



Joan of Arc Middle School- Manhattan/ Worked with two 7<sup>th</sup> grade teachers

### **Conference Attendee**

- 2014 CS+X Partnered-Faculty Workshop – NSF funded workshop at Olin College on co-taught interdisciplinary CS courses.
- 2013 Music in Time: Phenomenology, Perception, Performance  
A conference in honor of Christopher Hasty, Walter W. Naumburg Professor of Music Harvard University - Oct 18-20, 2013  
Cambridge, MA
- 2013 The Ninth International Symposium on the Philosophy of Music Education, Teachers College Columbia University / New York City June 5- 2013
- 2011 Creativity, Imagination and Innovation Symposium. April 28-29, Dept. of Arts and Humanities, Teachers College Columbia University
- 2006 International Conference on Music Education, Equity, and Social Justice, Teachers College Columbia University, New York-Oct.
- 2006 *Mentoring and Induction*-Massachusetts Association of Colleges for Teacher Education (MACTE), Worcester-April
- 2006 New Media In Education 2006 A Progress Report-Columbia Center for New Media in Teaching and Learning
- 2005 Teaching and Learning with Electronic Portfolios, University of Massachusetts/UMassOnline
- 2005 7<sup>th</sup> National Symposium for Music Instructional Technology, Hartwick College, Oneonta, NY
- 2004 MENC National Conference, Minneapolis, MN
- 2003 Eastern Regional MENC Conference, Providence, RI
- 2001 "Education Technology Summit 2001" Teachers College Columbia University, NYC
- 1999 Human-Computer Interaction Laboratory University of Maryland Institute of Advanced Computer Studies 16th Annual Symposium & Open House, University of Maryland, College Park

### **SERVICE ACTIVITIES**

#### **Community Activities Related to Professional Field**

- 2017-2019 **Advisory Board/Chair for BITS Area of Study – Greater Lawrence Technical School – STEAM Innovation Academy**
- 2016 **Performed with the University String Ensemble for the Birdsong at Morning Concert and Inaugural Concert in the Fall semester, the Broadway on the Merrimack Concert in the Spring semester and the Chancellor’s Launch of *Our Legacy, Our Place* fundraising initiative.**
- 2015 **You Gotta Love the Life- An Evening with Melissa Manchester Concert and Master classes Feb 26-28, 2015 Durgin Hall –**

Coordinated and arranged the Master Classes, Student performing groups and arranged for Ms. Manchester's appearance on campus.

<http://www.bostonglobe.com/arts/music/2015/02/21/melissa-manchester-shares-life-lessons-new-music-lowell/Qh4pZuYwS77Jd0k23yZvhl/story.html>

<https://www.mvmag.net/index.php/2015/03/10/melissa-manchester/>

- 2015 Lowell Cultural Advocacy Committee Member
- 2015 Internal UML Seed Grant Reviewer
- 2014 Discovering Cultural Identity and Self Identity  
Enlightened Bites - invited with Dr. Alan Williams, to present at symposium featuring recipients of University of Massachusetts Creative Economies Initiatives Fund Grant
- 2013 Lowell Youth Orchestra Community Concert – *Making Music, Building Bridges, Connecting Cultures* April 21, 2013, UTEC Lowell – Organizer/Performer  
<http://ggreher.com/service-activities/dan-ellsey-the-lowell-youth-orchestra-april-21-2013-3-pm-at-utec/>
- 2012 Judge, Lowell High School's Got Talent
- 2011-13 Director, UMass Lowell String Project
- 2011 Invited by Lowell Fine Arts Coordinator to present to School Committee on UMass Lowell's Fine Arts Pathway with Lowell School District
- April 2011 Interview for WUML on Sound Thinking with Jesse Heines and Alex Ruthmann
- 2005 String Project & Creative Sound Play at the Bartlett Community Partnership School, Lowell MA
- April 2005 Sponsor and organizer of Pablo Mendez Walking in Two Worlds concert/lecture funded by Council on Diversity and Pluralism
- April 2004 UML Campus Reports Found Objects - Musical Instruments – WUML – 91.5 FM - Prospective teachers make music using common household objects. The result of an assignment from General Music Methods 2
- 2003-2013 Creative Sound Play Project-Offshoot of UML String Project  
2003-2011 Present String Currents-University of Massachusetts Lowell String Orchestra

2003-2009 Advisor and Adjudicator for MENC chapter state-wide composition festival for k-12 music students

### **University Committees**

**2016-present Center for Autism Research & Education**

2012 Dean's Service Learning Advisory Board

2009 Strategic Task Force on Graduate Education

2006 Task force to evaluate evaluation software

2005-06 Steering Committee for New Communication's Program

2004-05 Community University Partnership Task Force

2003-05 Council for Diversity and Pluralism

### **College Committees**

**2015 Faculty Search Committee Chair – Music Education**

2014 Faculty Search Committees- Composition & New Media; Chair, String Project Director/Music Education

2012-2019 Chair, Music Dept. Personnel Committee

2012 Faculty Search Committees- Musicology; Music Business: & Dean of the Graduate School of Education

2012-13 Faculty Senate

2011 Faculty Search Committee, Chair- Music Education

2009-2019 Chair, Music Dept. Undergraduate Curriculum Committee – Currently tasked with overseeing music core curricular revisions

2008-Present Graduate Music Education Advisor

2008 Faculty Search Committee, Chair- Music Education

2006 Faculty Search Committee- Music Business

2005 Faculty Search Committee- Music Business

2005-2016 Chair - Undergraduate College Curriculum Committee

2004 Faculty Search Committee-Sound Recording Technology

2002-Present Music Department Undergraduate Committee

2002-Present Undergraduate Music Studies Advisor

2002-2009  
2002-03

MENC Student Chapter Advisor  
Member of a three person task-force for securing Music Education  
Accreditation from the Massachusetts Department of Education,  
NCATE and NASM