

Edward A. Roth

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Degrees/Credentials	Institution	Year
B.M.	Western Michigan University Kalamazoo, MI	1992
M.M.	Colorado State University Ft. Collins, CO	2000
MT-BC	Certification Board for Music Therapists, Inc.	1998 (renewed in 2008)
NMT	Neurologic Music Therapy Certification	2000
Fellow	The Academy of Neurologic Music Therapists	2005
<u>Professional Experience</u>	Western Michigan University, Kalamazoo, MI	Aug. 2000 - Present

Associate Professor -

Currently fulfilling teaching, research, and administrative duties.
Courses include Introduction to Music Therapy, Music Therapy Methods for Children, Music Therapy Methods for Adults, and Music Therapy Practicum.

Coordinator of Clinical Experiences -

Arrange and supervise clinical music therapy practicum experiences for undergraduate and graduate-equivalency students.

Publications

Journal Articles

- Roth, Edward A. & Wisser, Susan J. (2004). Music therapy: The rhythm of recovery. *The Case Manager: The Official Journal of the Case Management Society of America*, May/June, 52-56.
- Baker, Felicity & Roth, Edward A. (2004). Neuroplasticity and functional recovery: Training models and compensatory strategies in music therapy. *Nordic Journal of Music Therapy*, 13(1), 20-32.
- Roth, Edward A. (2006). Rhythm for recovery: Neurologic music therapy addresses motor, speech-language and cognitive functioning. *Advance for Providers of Post-Acute Care*, 15(5), 55-56.
- Roth, Edward A. & Kees, Nathalie. (2007). The use of expressive music therapy techniques with groups of chemically dependent adolescents. *Journal for the Professional Counselor*, 21(2), 41-52.

Accepted with Request for Revision

- Roth, Edward A. Is Mozart's music greater than the sum of its parts: failure to produce a Mozart-specific effect. *Perceptual and Motor Skills*

Manuscripts in Preparation

- Roth, E.A., Larson, C.A., Wecker, E., Beauchamp, K., Farhat, J. Rhythmic Auditory Stimulation and cognitive rehearsal in gait training for patients with chronic stroke.
- Roth, E.A., Hunter, G., & Bristol, E.E. Rhythmic Auditory Stimulation with an adult male with a traumatic brain injury.
- Kiel, T., Roth, E.A., & Cheatham, C. The effects of auditory-motor synchronization on physiological responses and perceived exertion during treadmill running.
- Materi, L. & Roth, E.A. The effects of patterned auditory enhancement on the biomechanics of novice weightlifters.

Proceedings/Abstracts

Roth, Edward A. (2005). Motor rehabilitation of stroke patients via Therapeutic Instrumental Music Performance (TIMP). *Book of Abstracts of the 11th World Congress of Music Therapy. Music Therapy: from Lullaby to Lament*. p.

Roth, Edward A. (2002). Debunking the Mozart myth: Lack of evidence of a Mozart-specific effect. *Book of Abstracts of the 10th World Congress of Music Therapy. Music Therapy in the 21st Century: A contemporary Force for Change*. p. 338.

Book Reviews

Roth, Edward A. (2002). Book review published in *Music Therapy Perspectives 20*, (1) pp.47-48. Thaut, M.H. (2000). *A scientific model of music in therapy and medicine*.

Previous Clinical and Teaching Experience

Center for Biomedical Research in Music, Fort Collins, CO **Aug. 1998 - Aug. 2000**
Fulfilled role of research assistant. Duties included co-leading a rehabilitation group in conjunction with a physical therapist for adult patients who had suffered a stroke or traumatic brain injury. I was also responsible for kinematic data collection and analysis on three studies involving gait training with patients suffering from Parkinson's disease, children with cerebral palsy, and traumatic brain injury.

Colorado State University, Fort Collins, CO **Aug. 1998 - Aug. 2000**
Fulfilled role of teaching assistant. Duties included co-teaching an undergraduate research colloquium, co-teaching a music therapy improvisation course, and supervising 8-12 practicum students per semester in a variety of clinical settings.

Columbine High School, Littleton, CO **Aug. 1999 - Aug. 2000**
Practiced as a music therapist with groups of adolescents attending music therapy sessions that were offered at a nearby community center. Formal diagnoses included Post-Traumatic Stress Disorder and Acute Anxiety Disorder.

Blythedale Children's Hospital, Valhalla, NY **Jan. 1994-July 1998**
Worked as a music therapist in a rehabilitation setting with patients ranging in age from birth to 19 years in various neurological, physical and psychiatric diagnostic categories. Duties included planning, implementing, and documenting group and individual sessions in conjunction with physical, occupational, and speech therapists, social workers, psychologists, and teachers. I have used MIDI (Musical Instrument Digital Interface) technology extensively in the clinical setting and use many electronic/adaptive devices as well as being proficient in traditional acoustic instruments such as piano, guitar and voice.

University of Michigan Medical Center, Ann Arbor, MI **Fall 1993**
Worked as a part time and substitute music therapist after completing a 6-month internship at this setting. Planned, implemented, and documented group and individual sessions for adult and adolescent acute care psychiatric patients with diagnosis including: schizophrenia, bipolar, depression, multiple personality, borderline personality, emotionally impaired, behavior disorders, bulimia, and anorexia-nervosa.

Presentations

Invited

- Oct. 1997 -** Presentation on *Music Therapy and Pain Mediation* at Blythedale Children's Hospital
- Nov. 1997 -** Presentation on *Music Therapy Assisted Relaxation* at Blythedale Children's Hospital
- Oct. 2000 -** Guest lecture in WMU graduate music therapy seminar -
Principles of Neurologic Music Therapy
- Nov. 2000 -** Guest lecture in WMU Psychology of Music course -
Principles of Neurologic Music Therapy
- Feb. 2001 -** Guest lecture in WMU music education internship course -
Special education students in regular music education classrooms - strategies for the music educator.
- Feb. 2001 -** Bronson Pediatric Physical Therapists weekly meeting
Audio-spinal facilitation and Rhythmic Auditory Stimulation
- Mar. 2001 -** Bronson Pediatric Neurologic Rehabilitation Staff meeting –
Neuroscience of Music Perception and Neurologic Music Therapy Techniques
- Sept. 2001 -** Interview published in Kalamazoo Gazette as part of an article entitled:
Turning to the arts in troubled times. (Linda S. Mah) Sept. 23, 2001 Begins on Section C1
- Nov. 2001 -** Guest lecture in WMU music education internship course -
Special education students in regular music education classrooms - strategies for the music educator.
- Feb. 2002 -** Guest lecture in WMU music education internship course -
Special education students in regular music education classrooms - strategies for the music educator
- Sept. 2002 -** Presentation at Activities Therapists Conference, Traverse City, MI
Development of Effective Percussion and Movement Improvisation Strategies
- Oct. 2002 -** Guest lecture in WMU graduate Music Therapy seminar
A Scientific Model of Music Therapy
- Oct. 2002 -** Panel Presentation at American Music Therapy Association Conference Atlanta, GA,
Use of Music Therapy in Trauma: Lessons from the past, Implications for the Future
- Feb. 2003 -** Guest lecture in WMU graduate Occupational Therapy seminar
Rhythmicity and Brain Function: the Effects of Rhythm on Motor Function
- Mar. 2003 -** Poster presented at the National Institutes of Health (NIH). Music in Medicine Symposium
Effects of Auditory Stimuli on Language-Based Analytical Tasks
- Mar. 2003 -** Poster presented at the National Institutes of Health (NIH). Music in Medicine Symposium
Effects of Therapeutic Instrumental Music Performance (TIMP) on Upper Extremity Motor Rehabilitation in Stroke Patients
- Apr. 2003 -** Interview published in the Western Herald.
Dalton will bring therapy in music. April 14th
- Apr. 2003 -** Interview broadcast on WIDR (Kalamazoo, MI). April 14th
- May 2003 -** Advances in Neurology – Conference hosted by Hurley Medical Center, Flint, MI
Music Therapy: Rhythms of the Brain

- May 2003 - 15-Hour Workshop at the Ramon Llull University, Barcelona, Spain
Principles and Techniques of Neurologic Music Therapy
- Sept. 2003 - Interview broadcast on WMUK (Kalamazoo, MI). Sept. 22nd (Master copies provided to affiliate stations)
- Oct. 2003 - 7-Hour Workshop for Michigan Music Therapists association, Kalamazoo, MI
Toward a Scientific Model of Music Therapy
- Oct. 2003 - Guest lecture in WMU music education internship course -
Special education students in regular music education classrooms - strategies for the music educator
- Mar. 2004 - Guest lecture in WMU music education internship course -
Special education students in regular music education classrooms - strategies for the music educator
- May 2004 - 4-Hour Workshop for Special Tree Rehabilitation, Inc. New Boston, MI
The Neuroscientific Underpinnings of Music Perception and Therapeutic Applications
- May 2004 - 4-Hour Workshop for Special Tree Rehabilitation, Inc. Romulus, MI
The Neuroscientific Underpinnings of Music Perception and Therapeutic Applications
- May 2004 - 4-Hour Workshop for THERASUPPORT, L.L.C. Ann Arbor, MI
The Neuroscientific Underpinnings of Music Perception and Therapeutic Applications
- June 2004 - Continuing Education Lecture – Spectrum Health Grand Rapids, MI
Rhythmic Auditory Stimulation(RAS) Facilitation of Gait Rehabilitation in Patients with Traumatic Brain Injuries
- July 2004 - 8-hour Workshop for Rehabilitation Department of Beaumont Medical Center, Royal Oak, MI
Neurologic Music Therapy: A Scientific Model with Therapeutic Purpose
- Sept. 2004 - Presentation at monthly meeting of the Kalamazoo Parkinson's Support Group, Kalamazoo, MI
Music Therapy and Parkinson's Disease: Restoring the Rhythm
- Sept. 2004 - 8-hour Workshop at Eastern Michigan University, Ypsilanti, MI
Music Technology and Music Therapy: Band-in-a-Box & Garage Band – A Beginner's Primer
- May 2005 - 8-hour Workshop for the Queensland Association of Music Therapists, Brisbane, QLD Australia
Neurologic Music Therapy: Scientific Foundations and Clinical Applications
- Jan. 2006 - Presentation for the Michigan Brain Injury Providers Council, Grand Rapids, MI
Clinical Applications and Third Party Reimbursement for Neurologic Music Therapy Interventions
- Apr. 2006 - Guest lecture in WMU graduate Occupational Therapy seminar
Music and Brain Function: the Effects of Music on Cognition and Emotion

Selected by Blind Peer Review

- Oct. 2001 - Co-presenter with Carolyn Koebel at annual AMTA conference in Pasadena, CA *Developing Effective Strategies for the Vocal, Percussion, and Movement Training of Music Therapy Students*
- Jul. 2002 - Poster presentation at World Federation of Music Therapy conference at Oxford University
Debunking the Mozart Myth: Lack of Evidence of a Mozart-specific Effect
- Oct. 2002 - Co-presentation with Dr. Shannon de l'Etoile at American Music Therapy Association Atlanta, GA
Making the Connection between Research and Clinical Practice
- Oct. 2002 - Presentation at American Music Therapy Association Conference, Atlanta, GA
Streamlining Education: The Use of Technology in the Classroom
- Oct. 2003 - Presentation at the Brain Injury Association of Michigan, Lansing, MI
Rhythmicity and Brain Function: An Overview of Neurologic Music Therapy

- Nov. 2003 -** Co-presentation with Dr. Shannon de l'Etoile at American Music Therapy Association, Minneapolis, MN
Graduate Curricula in Music Therapy
- Mar. 2004 -** Co-presentation with Nicole Cullen at Great Lakes Region Music Therapy Association, Indianapolis, IN,
A University-Affiliated Internship in a Pediatric Rehabilitation Setting
- Mar. 2004 -** Co-presentation with Joel C. Allchin & Sr. Kathryn Mullarkey at Advances in Rehabilitation Technology, Mary Free Bed Hospital, Grand Rapids, MI,
Clinical and Life Applications of Speech Generating Devices and Neurologic Music Therapy
- Oct. 2004 -** Co-presentation with Susan J. Wisser, MBA, RN, LCM at Medical Case Manager's Conference, Washington, DC
Music Therapy: The Rhythm of Recovery
- Oct. 2004 -** Co-presentation with Shea Althoff at the Michigan Hospice and Palliative Care Volunteer's Conference, Frankenmuth, MI
Music Therapy in the Hospice Setting
- Jul. 2005** Presentation at the 11th World Congress of Music Therapy, Brisbane Australia
Motor rehabilitation of stroke patients via Therapeutic Instrumental Music Performance (TIMP)
- Mar. 2006** 8-hour Continuing Music Therapy Education Course, Detroit, MI
Neuromusicology: Insights for Music Therapists
- Mar. 2007** Co-presentation with Erin Bristol at the Great Lakes Region of Music Therapy Conference, Cleveland, OH
A University Affiliated Internship as a Pilot Program at a Rehabilitation Hospital
- Apr. 2007** Co-presentation with Cathy Larson and Doctoral candidates from Oakland University, Michigan Physical Therapy Association Conference
The effects of rhythmic auditory stimulation and cognitive rehearsal on gait for stroke patients
- Nov. 2007** Co-presentation with Erin Bristol at the American Music Therapy Association Conference, Louisville, KY
Using the University Affiliated Internship as a Pilot Program at a Rehabilitation Hospital
- Nov. 2007** Poster presentation with Tracy Kiel at the American Music Therapy Association Conference, Louisville, KY
The Effects of Auditory-Motor Synchronization on Physiological Measures and Perceived Exertion During Treadmill Running

Professional Service/Affiliations/Accomplishments

University

Senator	University Faculty Senate – Sept. 2001 through May 2004
Member	University Assessment and Steering Committee (UASC) -June '03 – May '05
Chair	Colleges of HHS / Fine Arts Sub-committee (UASC) - Jan. '04 – May '05
Member	Holistic Health Care Program Advisory Committee – Oct. '03 - present
Member	Visiting Scholars and Artists Program Committee – Jan '04 – present
Member	Center for Disability Services Advisory Committee – July '05 – present
Member	Interdisciplinary Aphasia Team – '04 – present

College of Fine Arts

Member	College Assessment Committee 2005 - present
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School of Music

Chair	Assessment Committee – Sept. '05 – present	
Member	Advisory Council – Sept. '05 - present	
Secretary	Graduate Committee – Sept. '01 – May '04	
Member	Master's Project Committee.	Thom Andrews
Member	Master's Thesis Committee.	Julie Guy
Member	Master's Thesis Committee.	Alie Chandler
Member	Master's Thesis Committee.	Melissa Hirokawa
Member	Master's Thesis Committee.	Victoria Storm
Member	Master's Thesis Committee.	Karen Kwok
Member	Master's Thesis Committee.	Sayaka Abe
Member	Master's Thesis Committee.	Erin Dalby
Member	Master's Thesis Committee.	Yayoi Nakai
Member	Master's Thesis Committee.	Mayumi Hata
Member	Master's Thesis Committee.	Nicole Cullen
Member	Master's Thesis Committee.	Chulhee Sheen
Member	Master's Thesis Committee.	Shea Althoff
Member	Master's Thesis Committee.	Christy Irwin
Member	Master's Thesis Committee.	Rebecca Frohardt
Member	Master's Thesis Committee.	Julie Palmieri
Member	Master's Thesis Committee.	Rebecca Findley
Advisor	Honor's Thesis Committee.	Bethany Jones
Advisor	Master's Thesis Committee.	Beth Clark
Advisor	Master's Thesis Committee.	Tracy Kiel
Advisor	Master's Thesis Committee.	Marilyn Moore
Advisor	Master's Thesis Committee.	Erin Bristol
Clinical Training Director	Clinical Internship	Nicole Cullen
Clinical Training Director	Clinical Internship	Erin Bristol

Professional Organizations/Societies

Fellow	The Academy of Neurologic Music Therapists
Member	Society for Clinical Neuromusicology
Member	American Music Therapy Association
Member	Great Lakes Regional Association of the American Music Therapy Association
Member	Australian Music Therapy Association
Member	World Federation of Music Therapy
Member	New York Academy of Sciences
Archivist	Great Lakes Regional Association of the American Music Therapy Association
Archivist	Michigan Music Therapists Association
Member	Pi Kappa Lambda National Music Honor Society

Grants/Contracts

Advanced Research Development Award (WMU)	\$1000	2007-2007
Spectrum Hospital Research Fund	\$6000	2006-2007
Beaumont Medical Center Research Fund	\$3000	2003-2004
Visiting Scholars and Artists	\$1,500	2003-2004
Bronson Research Fund	\$5,600	2003-2003
Faculty Research and Creative Activities Support Fund	\$10,000	2002-2003
Research Development Award (RDA)	\$3,625	2001-2003
Technology Fellow – WMU College of Fine Arts	\$5,000	2001-2002