

Dr. Casey Mongoven

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EDUCATION

PhD	University of California, Santa Barbara Media Arts and Technology, 2009–2013
Ergänzungsstudium	Hochschule für Musik FRANZ LISZT Weimar Electroacoustic Composition, 2007–2009
BM	New England Conservatory Classical Composition, 1997–2001

PRINCIPLE COMPOSITION TEACHERS

Robin Minard, Hochschule für Musik FRANZ LISZT Weimar, 2007–2009

Franz Martin Olbrisch, Hochschule für Musik FRANZ LISZT Weimar, 2008

Alan Fletcher, New England Conservatory, 1997–2001

Nathaniel Tull Phillips, University of California, San Diego, 1994–1997

PUBLICATIONS

Mongoven, Casey. Andreas Werckmeister's *Cribrum musicum* (1700) and *Harmonologia musica* (1702). New York: Pendragon Press, 2013.

Mongoven, Casey. *An Experiment in the Aesthetic Value of Sonified Mathematical Objects*. PhD diss., University of California, Santa Barbara. Ann Arbor: ProQuest/UMI, 2013.

Mongoven, Casey. Sonification of Multiple Fibonacci-Related Sequences. *Annales Mathematicae et Informaticae*, 41 (2013): 175–192.

Brilmayer, Benedikt and Mongoven, Casey. Johann David Heinichen's *Gründliche Anweisung* (1711). New York: Pendragon Press, 2012.

Knott, Ron and Mongoven, Casey. Musical Composition with Zeckendorf Representations. *Aportaciones Matemáticas Investigación*, 20 (2011): 199–216.

Mongoven, Casey. A Style of Music Characterized by Fibonacci Numbers and the Golden Ratio. *Congressus Numerantium*, 201 (2010): 127–138.

CONCERTS/INSTALLATIONS

MAT End of Year Show 2014 (Goleta, CA) *Fibonacci Mod 1 through 34*, June 2014

CREATE Concert: Sound Storm (Goleta, CA) *Bit Representations no. 2*, November 2013

MAT End of Year Show: Shadows in Space (Goleta, CA) *Stolarsky Arrays no. 1, Rep Sequences no. 19*, May 2013

Fifteenth International Conference on Fibonacci Numbers and Their Applications (Eger, Hungary) *Five Pieces*, June 2012

MAT End of Year Show: Bits and Pieces (Goleta, CA) *Three Pieces*, May 2012

CREATE Concert: Critical Point (Goleta, CA) *Zeckendorf Representations no. 19*, October 2011

MAT End of Year Show: Questionable Utility (Goleta, CA) *Zeckendorf Representations no. 18*, June 2011

Fourteenth International Conference on Fibonacci Numbers and Their Applications (Morelia, Mexico) *Zeckendorf Representations nos. 17, 18 and 19*, February 2010

CREATE Concert: Duck-Billed Platypus (Goleta, CA) *G(1,2) and G(1,1) Rep Sequences no. 1*, February 2010

Diplomkonzert Neue Musik (Weimar, Germany) (multiple works), January 2009

Installation in the Franz Liszt Museum (Weimar, Germany) *Fibonacci and Lucas in White*, 2008–2009

Thirteenth International Conference on Fibonacci Numbers and Their Applications (Patras, Greece) *Seven Pieces from Collection VIII*, July 2008

SeaM Konzert: Klangbilder (Sondershausen, Germany) *13 Stücke aus der Collection VI*, July 2008

SeaM Konzert: Elektroakustische Musik, Fürstensaal (Weimar, Germany) *Zeckendorf Representations no. 16, Drei Stücke aus der Collection V*, July 2007

KONZERTE: DEGEM WebRadio @ ZKM (Karlsruhe, Germany) *G(1,2) Rep Sequence no. 18*, June 2007

Tuesday Night New Music (Boston, MA) *Chaos and Pisanos Rabbit Problem*, April 2001

Tuesday Night New Music (Boston, MA) *Study in Fibonacci Pitch Class Sequences no. 5*, October 2000

Tuesday Night New Music (Boston, MA) *Three Pieces for Violin*, March 2000

Tuesday Night New Music (Boston, MA) *Duet for Disklaviers*, March 1999

PRESENTATIONS

The Contours of Algorithmic Life (Davis, CA) The Utility of Sonification in Aesthetic Experiments, May 2014

Exploring Visual Music: A Special One-Day Symposium (Goleta, CA) Aesthetic Effect of Providing Synchronized Visualizations with Sonifications, November 2013

The Fifteenth International Conference on Fibonacci Numbers and Their Applications (Eger, Hungary) Sonification of Multiple Fibonacci-Related Sequences, June 2012

Composition Forum at UCSB (Goleta, California) The Path to Pure Sonification, January 2011

The Fourteenth International Conference on Fibonacci Numbers and Their Applications (Morelia, Mexico) Musical Composition with Zeckendorf Representations, July 2010

Presentation/Concert at Hochschule für Musik FRANZ LISZT Weimar (Weimar, Germany) Ein von den Fibonacci-Zahlen und dem goldenen Schnitt geprägter Stil, January 2009

The Thirteenth International Conference on Fibonacci Numbers and Their Applications (Patras, Greece) A Style of Music Characterized by Fibonacci Numbers and the Golden Ratio, July 2008

Presentation/Concert at New England Conservatory (Boston, MA) Fibonacci Pitch Class Sequences, April 2000

TEACHING EXPERIENCE

University of California, Santa Barbara

Department of Germanic, Slavic and Semitic Studies, 2013–2015

Title: Lecturer

Courses Taught: German 1–6 (first and second year), 101A–C (third year), 1G and 2G (German for reading knowledge, graduate level courses)

Responsibilities: curriculum development, recruitment, academic advising, independent studies, office hours, grading

University of California, Santa Barbara

Department of Germanic, Slavic and Semitic Studies, 2010–2013

Title: Teaching Assistant (sole instructor)

Courses Taught: German 4–6 (second year)

Responsibilities: curriculum development, recruitment, office hours, grading

Online instruction in fixed-do solfège @ [youtube.com/cpmongoven](https://www.youtube.com/c/cpmongoven), 2013–present.

Private lessons in composition, ear training, music history and theory, 2008–present.

TEACHING INTERESTS

Instrumental/electroacoustic composition, algorithmic composition, visual music, music theory, ear training, solfège, history of electronic/computer music, audio engineering, signal processing for media applications, Csound, Supercollider, Max/MSP, experimental psychology in music.

RESEARCH INTERESTS

Experimental psychology in music, psychoacoustics, sonification of mathematical objects, Baroque and Classical music theory and pedagogy, cognitive fitness through music.

AWARDS/GRANTS/HONORS

Teaching Assistant of the Year UCSB Department of Germanic, Slavic and Semitic Studies, 2012–2013

Research Grant UCSB Media Arts and Technology Department, \$4600, 2013

Teaching Assistant of the Year UCSB Department of Germanic, Slavic and Semitic Studies, 2011–2012

Teaching Assistant of the Year UCSB Department of Germanic, Slavic and Semitic Studies, 2010–2011

Block Grant UCSB Media Arts and Technology Department, \$5000, 2009

Nominated into Pi Kappa Lambda, National Music Honor Society, 2001

Graduated with Academic Honors, New England Conservatory, 2001

LANGUAGE SKILLS

German, near-native fluency (lived and worked for eight years in Austria and Germany).

Italian, basic knowledge.

EVENT ORGANIZATION

Exploring Visual Music: A Special One-Day Symposium Served as technology coordinator and liaison at UCSB for the Center for Visual Music, secured venue for presentations. November 2013.

MAT End of Year Show: Shadows in Space Organized and managed concert, designed and produced programs. May 2013.

VOLUNTEER WORK

Alternative to Violence Program (California Department of Corrections and Rehabilitation: California Mens Colony, San Luis Obispo, CA), outside facilitator, January 17-18, 2015

Meridian Senior Living and Memory Care (Lompoc, CA), music activity leader, January–May, 2015

SOFTWARE/WEB DEVELOPMENT

Began work on first responsive version of composer website caseymongoven.com, utilizing HTML5, CSS, PHP and MySQL. June 2015.

Completed an Objective-C++ program designed to administer tests in an experiment involving 28 subjects described @ <http://caseymongoven.com/experiment/II>. February 2015.

Provided consulting services to the [AlloSphere Research Group](#) at UCSB, creating the first working example in the AlloSphere of sound localization correlated with 3D graphics using the 54.1 channel system and ambisonics. August 2013.

Completed a database-driven webpage displaying the results of the experiment involving 170 subjects described in dissertation and @ caseymongoven.com/experiment/I. August 2013.

Completed Virahanka 2, an updated version of an Objective-C++ program for composing audio-visual works with various types of number sequences that integrates Csound as a synthesis engine. Various design patterns are utilized in the program design. Compositions are dynamically uploaded to caseymongoven.com upon completion, and a tweet is sent out via twitter.com/caseymongoven. October 2012.

Integrated Csound into Wesley Smith and Graham Wakefield's audio-visual scripting environment [LuaAV](#). October 2009.

Published an updated version of German-English music dictionary dict.caseymongoven.com, which contains approximately 3500 entries. September 2008.