

Midori Kitagawa, Ph.D.

Contact Information

Arts and Technology (ATEC) Program, School of Arts and Humanities
The University of Texas at Dallas (UTD)
P.O. BOX 830688, ATEC 10, Richardson, Texas 75083-0688
Office: 972.883.2806 Email: midori@utdallas.edu

A. Professional Preparation

B.F.A.	Fine Arts (Painting)	Joshibi University, Japan	1986
M.A.	Computer Graphics & Animation	Ohio State University	1989
Ph.D.	Visualization Sciences	Texas A&M University	1993
Post-doc	Visualization Sciences	Texas A&M University	1993-94

B. Appointments

2004-Current Associate Professor
Arts and Technology Program, School of Arts and Humanities
The University of Texas at Dallas
1994-2001 Assistant Professor / 2001-2004 Associate Professor
Advanced Computing Center for the Arts and Design (ACCAD)
Department of Art
Department of Industrial, Interior, and Visual Communication Design
The Ohio State University (OSU)
1993-1994 Post-doctoral Research Associate/Visiting Lecturer,
Visualization Laboratory, Texas A&M University

C. Selected Publications

Book

Kitagawa, M, B. Windsor. *MoCap for Artists: Workflow and Techniques for Motion Capture*.
Focal Press, 2008.

Articles

Kitagawa De Leon, M. On line Amish game and its simulation of agricultural environments.
Proceedings of International Symposium on the Restoration and Assessments of Agricultural Environments. Department of Education, Sendai, Japan, 17-19, 1998.

Kitagawa De Leon, M. Branching Object Generation and Animation System with Cubic Hermite Interpolation, *Journal of Visualization and Computer Animation*. 2, 2, 60-67, 1994.

Kitagawa De Leon, M. Branching Object Generation and Animation System with Cubic Hermite Interpolation, *Proceedings of NICOGRAPH '90*, Tokyo, Japan, 161-170, 1990.

Kitagawa De Leon, M. Visualization of Environmental Effects on Branching Objects, *Proceeding of Resource Technology '90*. Washington, D.C., 1990.

(Note: the surname on some of my publications was my former married name, Kitagawa De Leon. I restored my maiden name, Kitagawa, in 2001.)

D. Synergistic Activities

I have been teaching and researching motion capture animation and the results were published in *MoCap for Artists: Workflow and Techniques for Motion Capture* (Focal Press, 2008).

For the "Conversational Character Robot" project, I created a unique 3D facial rig that can be animated by key-framing and motion capture data. In addition, I developed a method to extract the head motion from facial capture data to isolate the motion data of facial expressions. Both of which were described in the book "MoCap for Artists."

I developed the Branching Object Generation and Animation System (BOGAS) which generates and animates branching structures, such as trees and plants, originally as my Master's thesis research. I continued to work on BOGAS during my postdoctoral research and beyond, the results from the visualization projects conducted with BOGAS have been published on journals and at conferences, such as ACM SIGGRAPH (Special Interest Group on Graphics).

I was a Co-PI for interactive multimedia instructional projects, "On-line Agroecosystem Database for Multimedia Teaching of Agricultural and Cultural Diversity in Holmes County, Ohio" and "Extensible Electronic Chemistry Study Resource," both of which were funded by the Battelle Endowment for Technology and Human Affairs Grant Program. I developed an on-line interactive game that teaches Amish farming practices and culture with the funding from the Ministry of Education of Japan.

I have been teaching 3D computer animation and motion capture animation courses since 1994. 23 M.F.A. advisees completed their degrees and three are currently working on their M.F.A. degrees under my guidance. In addition, I have served on the thesis committees of 2 M.S., 3 M.A., and 6 M.F.A. students from various schools and departments as a committee member. Also as a member I have served on the dissertation committees of 8 Ph.D. students who have completed their degrees in the School of Arts and Humanities (UTD), School of Engineering and Computer Science (UTD), Department of Art Education (OSU), Department of Art History (OSU), or Department of Instructional Design and Technology (OSU).

Currently I am advising a number of M.A. and M.F.A. students in the Arts and Technology program and Ph.D. students in the Esthetics Studies in the School of Arts and Humanities at UTD. (Note: Written theses are not required for the M.A./M.F.A. degrees in ATEC.)

E. Collaborators & Other Affiliations

(a) Collaborators and Co-Editors: none

(b) Graduate and Postdoctoral advisors

Thomas Linehan, Master's thesis & Ph.D. dissertation advisor, University of Texas at Dallas

Donald House, Postdoctoral advisor, Texas A&M University

(c) Thesis advisees

UTD

M.A. advanced project advisor for the following:

Ming Ku	M.A. 2006	
Jason Huang	M.A. 2006	Ph.D. student, UTD
Harold Leach	M.A. 2005	Marriott Vacation Club International, Production Artist

M.F.A. advanced project advisor for the following:

Wei Wei Zhang	M.F.A. 2009	Ph.D. student, UTD
Christine Lanning	M.F.A. 2009	Ph.D. student, UTD
Philip Carr	M.F.A. 2009	
Jun Chi	M.F.A. 2008	
Singkhum Khamonouane	M.F.A. 2008	Walt Disney Production, Modeler
Joel Ladella	M.F.A. 2008	Invision Media, Graphic Artist
Patrick Dunnigan	M.F.A. 2007	University of Texas Medical Branch, Applications Systems Analyst

OSU

M.F.A. thesis committee chair/advisor for the following:

Matt Derksen	M.F.A. 2004	Rhythm & Hues Studios, Character Rigging Supervisor
Jean Halsuka	M.F.A. 2004	3 rd Ward, Brooklyn, NY, Education Director
Kyoung Lee	M.F.A. 2004	Pixar Animation Studios, Lighting Technical Director
Vita Berezina-Blackburn	M.F.A. 2003	Ohio State University, Animation Specialist
Jun Oh	M.F.A. 2003	Samaritan's Purse, Motion Graphic Producer
Scott Sweringen	M.F.A. 2003	Electronic Arts, Game Level Designer

Ian Butterfield	M.F.A. 2002	Blue Sky Studios, Senior Materials Technical Director
Brandon Morse	M.F.A. 2002	University of Maryland, Associate Professor, Graduate Director
Yianni Yessios	M.F.A. 2001	Cleveland Institute of Arts, Assistant Professor
Clarke Stallworth	M.F.A. 2001	Savanna College of Arts and Design, Professor
Wooksang Chang	M.F.A. 2000	Chung-Ang University, Professor
Wobbe Koning	M.F.A. 2000	Montclair State University, Adjunct
Janice Braverman	M.F.A. 1999	Kentucky Center School for Arts, Instructor
Heath Hanlin	M.F.A. 1998	Syracuse University, Associate Professor
Neal McDonald	M.F.A. 1998	University of Maryland, Assistant Professor
Marla Mayerson	M.F.A. 1998	Youngstown State University, Assistant Professor
Janet Lucroy	M.F.A. 1997	Pixar Animation, Director of Photography
John Warren	M.F.A. 1997	Pixar Animation, Technical Director
Nathania Vishnevsky	M.F.A. 1997	DreamWorks/Pacific Data Images, Training Specialist

UTD

Ph.D. Dissertation committee chair for the following:

Vanessa Paugh	School of Arts and Humanities	2009
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Ph.D. Dissertation committee member for the following:

Jason Huang	School of Arts and Humanities	
Jeff Senita	School of Arts and Humanities	
Garman Herigstad	School of Arts and Humanities	
Tuan Ho	School of Arts and Humanities	
Deborah Scally	School of Arts and Humanities	
Robert Flowers	School of Arts and Humanities	2009
Vanessa Paugh	School of Arts and Humanities	2009
Marge Zielke	School of Arts and Humanities	2008
Hui Li	School of Engineering and Computer Science	2006

OSU

Ph.D. Dissertation committee member for the following:

Bongsung Bac	Art Education Department	2002
Gabrielle Fennmore	Art Education Department	1999
Michele Dickey	Instructional Design and Technology Department	1999
Markus Kruse	Art History Department	1998
Rina Wayanti	Art Education Department	1997
Garth Gardner	Art Education Department	1995

Total number of Ph.D. dissertation committee I chaired: 1

Total number of M.F.A. thesis committees that I chaired: 23 (The thesis/dissertation committees that I served as a member are excluded.)

Total number of M.A. students who completed their thesis projects and degrees under my guidance: 3

Total number of postdoctoral scholars sponsored: 1