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The University of New Mexico



2001 faculty publications
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foreword

One of the ways in which we recognize our faculty at the University of New Mexico is through *Faculty Publications & Creative Works*. An annual publication, it highlights our faculty's scholarly and creative activities and achievements and serves as a compendium of UNM faculty efforts during the 2001 calendar year. *Faculty Publications & Creative Works* strives to illustrate the depth and breadth of research activities performed throughout our University's laboratories, studios and classrooms.

We believe that the communication of individual research is a significant method of sharing concepts and thoughts and ultimately inspiring the birth of new ideas. In support of this, UNM faculty during 2001 produced over 2,299 works, including 1,685 scholarly papers and articles, 69 books, 269 book chapters, 184 reviews, 86 creative works and 6 patented works. We are proud of the accomplishments of our faculty which are in part reflected in this book, which illustrates the diversity of intellectual pursuits in support of research and education at the University of New Mexico.

Terry Yates
Vice Provost for Research

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MECHANICAL ENGINEERING

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Schreyer, Howard L.

"Formulation of yield surfaces by considering failure modes." *Trends in Computational Structural Mechanics*, W.A. Wall, K.-U. Bletzinger and K. Schweizerhof (Eds.), Published by International Center for Numerical Methods in Engineering (CIMNE), Gran Capitán s/n, 08034 Barcelona, Spain, pp. 208-217.

Shen, Yu-Lin

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Y.-L. Shen, J. J. Williams, G. Piotrowski, N. Chawla and Y. L. Guo. "Correlation between Tensile and Indentation Behavior of Particle-Reinforced Metal Matrix Composites: An Experimental and Numerical Study." *Acta Materialia*, vol. 49, pp. 3219-3229 (2001).

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N. Chawla and Y.-L. Shen. "Mechanical Behavior of Particle Reinforced Metal Matrix Composites." *Advanced Engineering Materials*, vol. 3, pp. 357-370 (2001).

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Y.-L. Shen and N. Chawla. "On the Correlation between Hardness and Tensile Strength in Particle Reinforced Metal Matrix Composites." *Materials Science and Engineering A*, vol. 297, pp. 44-47 (2001).

Tran, Hy

W. Jackson, H. Tran, M. O'Brien, E. Rabinovitch, Lopez. "Rapid Prototyping of Active Microfluidic Components Based on Magnetically Modified Elastomeric Materials." *Journal Vac. Sci. Tech. B* 19(2) pp. 596-599 (April 2001).

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Vorobieff, Peter

Ben-Naim, E., Daya, Z.A., Vorobieff P., Ecke, R.E. "Knots and Random Walks in Vibrated Granular Chains." *Physical Review Letters*, v. 86(8) pp. 1414-1417 (Feb19, 2001).

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COLLEGE OF FINE ARTS

ART AND ART HISTORY

Mead, Christopher

“Bart Prince and the Particulars of Place,” *Architectural Record*, CXIC, no. 2, Feb. 2001.

“Critical Thinking in Architectural Design,” in A. Pressman, ed., *The Architect’s Portable Design Handbook* (New York: McGraw-Hill, 2001).

“Sighting the Landscape,” in Antoine Predock, *Antoine Predock* (Seoul: Korean Architects, 2001).

Nagatani, Patrick

Exhibition: University of Kentucky Art Museum, Lexington, KY, “Nagatani/Ryoichi - Excavations.”

Exhibition: Schneider Gallery, Chicago, IL, “Nagatani/Ryoichi - Excavations.”

Exhibition: Anderson Contemporary Art, Santa Fe, NM, “Dactylology - Masking Tape Paintings.”

Exhibition: Andrew Smith Gallery, Santa Fe, NM, “Excavations - Recent Photographs by Patrick Nagatani.”

Exhibition: Lycoming College, Williamsport, PA, “Nagatani/Ryoichi - Excavations.”
The Center for Creative Photography, University of Arizona, Tucson, AZ.

Exhibition: “Nagatani/Ryoichi - Excavations,” and “Nagatani/Tracey Polaroid Collaborations 1983-1989.”

Group Exhibition: “Go Fish!” curator Jane Fudge, Museum of Contemporary Art, Denver, CO

Group Exhibition: “High and Dry: A Photographic Exhibition of Arid and Semiarid Landscapes, and the People/Animals That Inhabit Them,” juried by Craig Varjabedian, Texas Tech University, Lubbock, TX (juror’s award), traveling exhibition.

Group Exhibition: “Chair City,” John Michael Kohler Arts Center, Sheboygan, WI
“Banned and Barred,” BC Space Gallery, Laguna Beach, CA.

Group Exhibition: “Synesthesia: The Next Generation in Art,” curated by Joyce Neimanas and Charles Van Gilder, Wood Street Gallery and Sculpture Garden, Chicago, IL.

Group Exhibition: “Is Seeing Believing? The Real, The Surreal, The Unreal in Contemporary Photography,” curators Dennis P. Wheeler and Janis Goodman, The Cummer Museum of Art and Gardens, Jacksonville, FL (catalog).

Group Exhibition: “The Altered Landscape: The Carol Franc Buck Collection,” Scottsdale Museum of Contemporary Art, Scottsdale, AZ (catalog).

Group Exhibition: “Visibility and Invisibility in the Nuclear Era,” curators Blake Fitzpatrick and Robert Del Tredici, Gallery TPW, Toronto, Ontario, Canada (catalog).

Robinson, Cynthia

“The Path to Perdition, or How to Get Lovesick: Preliminary Considerations of the *Qissat Bayad wa Riyad* (Vat. Ar. 358).” In *Seeing Things: Textuality and Visuality in The Islamic World*, special issue of *Princeton Papers* (Princeton, NJ: Markus Wiener Press, 2001).

Salinger, Adrienne

Exhibition: Dowd Fine Arts Gallery, State University of New College at Cortland (with Larry Clark).

Exhibition: Surrey Arts Center, Surrey, British Columbia Canada.

Exhibition: “Sight-Set-Sequence,” Art Institute of Chicago, Chicago, IL.

Exhibition: “Jewish Artists on the Edge,” Yeshiva University, New York, NY (catalogue).

Exhibition: “Synesthesia,” Wood Street Gallery, Chicago, IL.

Exhibition: “Ten View Albuquerque,” University of New Mexico Hospital, Cardiology Department. Curator Jonathan Abrams.

Shimano, Yoshiko

Group exhibition: “Session 2001,” Gallery Jin, Tokyo, Japan, January.

Exhibition: Gallery Jin, Tokyo, Japan, July.

Stone, Jim

Historiostomy: A Study in Repurposing Content, Piltdown Press, 2001. Limited edition monograph, 100 copies.

Exhibition: "Historiostomy: Repurposing Photographic Content, University of New Mexico Art Museum, Albuquerque, NM.

Exhibition: "Conversations," Gallery 1401, University of the Arts, Philadelphia, PA.

Group exhibition: "American Photographers, Museum of Fine Arts, Boston, MA.

Group exhibition: "Darkroom and Digital," inaugural exhibition for display cases in the John Wayne Airport, Santa Ana, CA.

Group exhibition: Faculty Exhibit, Anderson Ranch Arts Center, Snowmass Village, CO.

Group exhibition: Faculty Exhibit, Penland School of Crafts, Penland, NC.

Traveling Group exhibition:

"Innovation/Imagination: 50 Years of Polaroid Photography," organized by The Friends of Photography, San Francisco, accompanied by a large catalog published by Abrams.

Venues in 2001:

Museum of Contemporary Photography, Chicago, IL

University of New Hampshire Art Gallery, Durham, NH

Downey Museum of Art, Downey, CA

Dayton Art Institute, Dayton, OH

Szabo, Joyce

Painters, Patrons, and Identity: Essays in Native American Art to Honor J. J. Brody, editor and contributing author (University of New Mexico Press, 2001).

"Introduction," pp. 8-9 in *Pablita Velarde, Painting Her People*, by Marcella J. Ruch (New Mexico Magazine, 2001).

Review of *Native American Art: The Collections of the Ethnological Museum Berlin*, by Peter Bolz and Hans-Ulrich Sanner (Berlin: Staatliche Museen zu Berlin-Preussischer Kulturbesita, 1999), *Journal of Anthropological Research* 57 (2001): pp. 223-224.

Review of *Art of the North American Indians: The Thaw Collection*, edited by Gilbert Vincent, Sherry Brydon, and Ralph T. Coe (Seattle: University of Washington Press, 2000), *Great Plains Quarterly* (Fall 2001): p. 345.

Tsiongas, Mary

Exhibition: "Multiple Personalities" show, curated by Amy Davila at the Haines Gallery in San Francisco, CA.

MEDIA ARTS

Konefsky, Bryan

Exhibition: "Homo Sapien" screened at:

Media City 7 (video festival), Windsor Ontario, March

Smackmellon Studios (new music series) Multimedia installation with Aaron Davidson featuring "Homo Sapien," Brooklyn, NY, July

The Other Cinema (video series), San Francisco, CA, October

Raney, Raymond

Producer/Director/Editor: Season 2 of *Way Out West: The Electronic Bridge* went into national distribution through TV Ontario. The 10-part, curriculum-based, science enrichment program airs on PBS stations in Southwest. Season 2 included programs on Island Biodiversity, Ancient Astronomers, Bear Research, and Bats with Dr. J. Scott Altenbach, UNM Biology Professor.

MUSIC

Hinterbichler, Karl

Review of : *From Uncle Remus* by Edward McDowell, *International Trombone Association Journal*, Vol. 29, No. 1, Winter 2001, p. 70.

Review of: *Prelude and Fugue in G* by Niclaus Bruhns, *International Trombone Association Journal*, Vol. 29, No. 2 Spring 2001, p. 59.

Review of: *Brassmania* by Etienne Perruchon, *International Trombone Association Journal*, Vol. 20, No. 3, Summer 2001, p.67.

Review of *Train Ride* by Edward Bahr, *International Trombone Association Journal*, Vol. 29, No. 4, Fall 2001, p. 75.

Performances: First Trombone with Santa Fe Symphony, Opera Southwest, Santa Fe Opera, UNM Composer's Symposium.

Performances with New Mexico Brass Quintet throughout Albuquerque.

McCullough-Brabson, Ellen

Co-author: "We'll Be in Your Mountains, We'll Be in Your Songs: A Navajo Woman Sings." Albuquerque, NM UNM Press, May 2001.

Ney, Scott

Performances with Santa Fe Opera Orchestra, NMSO, Keller Hall recitals, UNM Marimba band and UNM Composers' Symposium.

Patrick, Susan

Albuquerque Baroque Players performances in Albuquerque and Santa Fe.

Rombach-Kendall, Eric

Concerts: Pennsylvania Intercollegiate Band, University of Hartford, Tri-State Festival (Florida State), Interprovincial Music Camp (Canada).

Steinback, Falko

Publication: Erlebniswelt Musik, Hoerbeispiele, 2nd CD 13.

Concerts in Albuquerque, Gainesville, New Orleans, Hattisburgh – Germany, Heek – Germany, Brauweiler – Germany and Pittsburgh.

Umphrey, Leslie

The Messiah, soprano soloist, Florida Atlantic University Orchestra and Chorus.

Soprano soloist with San Juan Community college Symphony.

The role of Pamina in the Magic Flute, Opera Southwest.

A Night of Song, Breast Cancer Awareness Concert, Keller Hall.

Recital – The Univeristy of Southern Louisiana.

Recital – Fort Lewis College.

Wood, William

Commission: "Music for Three," Taos Chamber Music Group. Performed March 19 and 20 in Taos.

"Chamber Piece Two," New Mexico Winds. Oct 2001, Keller Hall.

“Turning Corners” for clarinet and piano performed during the 2001 John Donald Robb Trust Composers’ Symposium, Keller Hall.

THEATER AND DANCE

Chazin-Bennahum, Judith

Curated and wrote “The Exhibition at Carlisle Gym of History of Dance at UNM,” put up March 2001 for the American College Dance Festival.

“La Valse Infernale,” ballet to music by Maurice Ravel, Rodey Theatre, February-March 2001 with 12 dancers.

Albuquerque International Airport Exhibition of History of Dance at University of New Mexico, “Narrating the past in Dance,” November 2-January 1, 2002.

Evans, Bill

New Choreographic Works:

Remembering, music by J. S. Bach, premiere performance by Jacksonville University Dance Theatre, Jacksonville, Florida.

Passionate Steps, music by J. S. Bach, premiere performance by Douglas Anderson School of the Arts Dance Company, Jacksonville, Florida.

Walkabout, music by Tanya Gerard, Michael Kott, Jeff Sussman and Robert Thomas, premiere performance by School of Contemporary Dancers Professional Program Dance Company, Winnipeg, Manitoba, Canada.

Heart Songs, music by J. S. Bach, premiere performance by Portable Dance Troupe, California State University, Fresno, California.

Dinner with Charlie, music by Charles Mingus, premiere performance by Instinct Dance Corps, Scottsdale, Arizona.

Colony, music by Tanya Gerard, Michael Kott, Jeff Sussman and Robert Thomas, premiere performance by Dance Gallery, Bellingham, Washington.

Dreamweaver, music by Michael Cava, costume design by Claudia McCulloch premiere performance by Bill Evans Dance Company, Center for Contemporary Arts, Santa Fe, New Mexico.

Yes, Indeed, music by Stuart Smith, costume design by Dorothy Baca, University of New Mexico Dance Company, Albuquerque.

Choreographic Works Restaged:

Velorio, music by Gabriel Faure, costume design by Susan Cox performed by Sam Houston State University Dance Company, Huntsville, Texas and by University of Wyoming Dance Company, Laramie, Wyoming.

Yes, Indeed, music by Bill Evans, performed by University of Wyoming Dance Company, Laramie, Wyoming and by Douglas Anderson School of the Arts Dance Company, Jacksonville, Florida.

Performances:

For Mature Audiences Only, New Mexico Contemporary Dance Alliance, Center for Contemporary Arts, Santa Fe, New Mexico, January 11 – 14, and Theatre X, University of New Mexico, Albuquerque, January 17 – 20.

An Evening of Chamber Dance and Music, Bill Evans Dance Company and Will Sucre Trio, presented by the City of Albuquerque's Global Dance Fest, KiMo Theatre, Albuquerque, New Mexico, January 24.

Light Motion and Bill Evans Dance Company in Concert, presented by the City of Albuquerque's Global Dance Fest, KiMo Theatre, Albuquerque, New Mexico, February 7, University of Nevada at Las Vegas, April 12.

Bill Evans and Don Halquist in Concert, Universidad de las Americas, Puebla, Mexico, June 8.

Third Annual New Mexico Tap Dance Jam, Bill Evans Rhythm Tap Ensemble and Guest Artists, Keller Hall, University of New Mexico, July 6 and 7, Center for Contemporary Arts, Santa Fe, July 8, Los Alamos High School, Los Alamos, New Mexico, October 19, and Vista Grande Community Center, Sandia Park, New Mexico, October 20.

Reminiscences of a Dancing Man, Bill Evans Solo Dance, Pacific Dance Center, Bellingham, Washington, August 19, Sam Houston State University, Huntsville, Texas, October 17 and 18.

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Awe, Susan C.

“Getting Our Dot-Com-Uppance?” *Library Journal*, Vol. 126, No. 5, pp. 42-45, March 15, 2001.

Review: “Be Your Own Mentor,” by Sheila Wellington. *Library Journal*, Vol. 126, No. 1, p. 122, January 2001.

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Review: "Death Department," by Bill Knox, read by James Bryce. *AudioFile*, February/March 2001.

Review: "Double Star," by Robert Heinlein, read by Lloyd James. *AudioFile*, June/July 2001.

Review: "Irene at Large," by Carole Nelson Douglas, read by Virginia Leishman. *AudioFile*, December/January 2001.

Review: "Jubal Sackett," by Louis L'Amour, read by John Curless. *AudioFile*, October/November 2001.

Review: "Kinch," by Matt Braun, read by Jack Garrett. *AudioFile*, April/May 2001.

Review: "Last Scout," by Will Cook, read by William Dufres. *AudioFile*, April/May 2001.

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Barkley, Dan

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Cromer, Donna

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Lewis, Linda K.

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