

ANNE CHIN

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ACADEMIC TRAINING

Ph.D. 1994 Arizona State University Geography (fluvial geomorphology)
B.A. 1983 University of California, Los Angeles Geography (ecosystems analysis)

Research Interests: human-landscape interactions; response of rivers to environmental change; river management

APPOINTMENTS

2024 – present Harrison V. Chase Distinguished Professor and Chair, Dept of Geography, Florida State University
2010 – present Professor (Emerita since 2024), Dept of Geography and Environmental Sciences, University of Colorado Denver
2008 - 2011 Visiting Professor (by courtesy), Department of Geography, University of Oregon
2006 - 2007 Visiting Scientist and Director, National Science Foundation (Geography and Regional Science)
1995 - 2008 Assistant and Associate (since 2002) Professor, Department of Geography, Texas A&M University
1994 - 1995 Visiting Assistant Professor, Department of Geography, University of Southern California

PROFESSIONAL MEMBERSHIPS

American Geophysical Union; American Association of Geographers (Fellow); Geological Society of America (Fellow)

SELECTED HONORS

Distinguished Career Award, Geological Society of America (Quaternary Geology and Geomorphology), 2024
Fellow, American Association of Geographers, 2019
Fellow, Geological Society of America, 2016
Fellow, Leopold Leadership Program, Stanford University, 2009
Gilbert Award for Excellence in Geomorphological Research, Association of American Geographers, 2004
Distinguished Achievement Award in Teaching, Texas A&M University, 2002
Scholar Award, Montague-Center for Teaching Excellence, Texas A&M University, 1998

EDITORSHIPS

Editor-in-Chief (Founding), *Anthropocene*, 2012-2023
Editor, *Earth-Science Reviews*, 2011-2013
Editorial Board: *Geography Compass*, 2006-2021; AAG Review of Books, 2017-2021

ADVISORY ACTIVITIES

Past Chair (2016-2017); Chair (2015-2016); First Vice Chair (2014-2015); Second Vice Chair (2013-2014), Quaternary Geology and Geomorphology Division; Geological Society of America
Advisory panel, National Science Foundation: Dynamics of Integrated Socio-environmental Systems (2022, 2023, 2024); Growing Convergence Research (2021); Dynamics of Coupled Natural and Human Systems (2020); EPSCoR (2019); Critical Zone Observatories (2013); Geomorphology and Land Use Dynamics (2009, 2010, 2021, 2023); Geography and Regional Science (2005, 2006)
Member, Committee on Challenges and Opportunities in Earth Surface Processes, Board on Earth Science and Resources, National Research Council (2007-2009)
Chair (2006-2007) and Advisory Board (2005-2010), Geomorphology Specialty Group, American Association of Geographers; Delegate (2008-2009), International Association of Geomorphologists
Technical Advisor, Restoration Design Group (2010-2015); Southern California Coastal Water Research Project (2007-2010); The Nature Conservancy/Caddo Lake Institute (2004-2005)

BOOKS AND EDITED VOLUMES

2024 Biogeomorphic Responses to Wildfire in Fluvial Ecosystems. *Geological Society of America Special Paper* (Edited by JL Florsheim, AP O'Dowd, A Chin), ISBN 978-0-8137-2562-8.
2016 Challenges of the "Anthropocene" Special Issue of *Anthropocene* (with T Beach, S Luzzadder-Beach, W Solecki), V 20.
2014 Geomorphology of the Anthropocene: the Surficial Legacy of Past and Present Human Activities, Special Issue of *Anthropocene* (with A Jefferson, K Wegmann), V 2.
2014 The Future of Human-Landscape Interactions: Drawing on the Past, Anticipating the Future. Special Issue of *Environmental Management* (with K Galvin, A Gerlak, C Harden, E Wohl), V 53 (1).
2010 *Landscapes on the Edge: New Horizons for Research on Earth's Surface*. Committee on Challenges and Opportunities in Earth Surface Processes, National Research Council, Washington DC: National Acad Press.
2007 Mountain Rivers II: Channel Processes. Special issue of *Geomorphology* (with E Wohl), V 83 (3-4).
2006 Mountain Rivers I: Watershed Scale Processes and Channel Morphology. Special issue of *Geomorphology* (with E Wohl), V 78 (1-2).

SELECTED RECENT PUBLICATIONS

- 2024 **Chin A**, Burton J, Humphreys KM, Florsheim JL, Kinoshita AM, Andreano EC, Eckermann T. Vegetation and channel recovery ten years following the Waldo Canyon Fire of Colorado. In: Florsheim JL, O'Dowd AP, Chin A, eds., Biogeomorphic Responses to Wildfire in Fluvial Ecosystems: *Geological Society of America Paper 562*.
- 2024 Florsheim JL, **Chin A**, Disturbance and recovery of physical elements of habitat in relation to post-wildfire channel sedimentation, southern California Transverse Ranges. In: Florsheim JL, O'Dowd AP, Chin A, eds., Biogeomorphic Responses to Wildfire in Fluvial Ecosystems: *Geological Society of America Paper 562*.
- 2023 O'Dowd AP, Solverson AP, **Chin A**, Ecological response of step-pool streams to wildfire in the Front Range of Colorado (USA). In: Florsheim JL, O'Dowd AP, Chin A, eds., Biogeomorphic Responses to Wildfire in Fluvial Ecosystems: *Geological Society of America Paper 562*, p.79-94.
- 2022 **Chin A**, Implications of a storm event for understanding adjustment of dryland urban channels. *Earth Surface Processes and Landforms* doi.org/10.1002/esp.5365.
- 2021 **Chin A**, O'Dowd AP, Mendez P, Velasco K, Florsheim JL, Laurencio LR, Leventhal R. Toward natural Approaches in restoration: experiments of co-evolving physical and biological structures in a self-organizing step-pool channel. *River Research and Applications*, DOI: 10.1002/rra.3851.
- 2021 Florsheim JL, **Chin A**, Geomorphic responses to wildfire in fluvial systems. In: Shroder JF (Ed in Chief); Harden CP, James LA, Claque J (Vol Eds) *Treatise on Geomorphology*, Geomorphology of Human Disturbances, Climate Change, and Hazards, doi.org/10.1016/B978-0-12-818234-5.00045-6.
- 2020 **Chin A**, Simon GL, Anthamatten P, Kelsey KC, Crawford BR, Weaver AJ, Pandemics and the future of human-landscape interactions. *Anthropocene* 31:100256
- 2020 **Chin A**, Cui X, Gillson L, Nelson D, Taylor MP, Vanacker V, Wang E, Anthropocene in an age of pandemics. *Anthropocene* 30:100247.
- 2020 **Chin A**, Gregory KJ, O'Dowd AH, Urbanizing river channels. In: Shroder JF (Ed in Chief), Wohl E (Vol Ed) *Treatise on Geomorphology*, Fluvial Geomorphology, doi.org/10.1016/B978-0-12-409548-9.12500-X.
- 2019 **Chin A**, Solverson AP, O'Dowd AP, Florsheim JL, Kinoshita AM, Nourbakhshbeidokhti S, Sellers SM, Tyner L, Gidley R, Interacting geomorphic and ecological response of step-pool streams after wildfire. *Geological Society of America Bulletin* 131(9-10):1480-1500.
- 2019 Nourbakhshbeidokhti S, Kinoshita AM, **Chin A**, Florsheim JL, A workflow to estimate topographic and volumetric changes and errors in channel sedimentation after disturbance. *Remote Sensing* 11:586.
- 2018 Gregory KJ, **Chin A**, Evaluation of the imprint of urban channel adjustment and management. *Geographical Journal* 184:269-282.
- 2017 **Chin A**, Gidley R, Tyner L, Gregory KJ, Adjustment of dryland stream channels over four decades of urbanization. *Anthropocene* 20:24-36.
- 2017 Florsheim JL, **Chin A**, Kinoshita AM, Nourbakhshbeidokhti S. Effect of storms during drought on post-wildfire recovery of channel sediment dynamics and habitat in the southern California chaparral. *Earth Surface Processes and Landforms* DOI: 10.1002/esp.4117.
- 2016 Kinoshita AM, **Chin A**, Simon GL, Briles C, Hogue TS, O'Dowd AP, Gerlak AK, Albornoz Uribe A. Wildfire, water, and society: toward integrative research in the "Anthropocene." *Anthropocene* 16:16-27.
- 2016 **Chin A**, Gillson L, Nelson D, Squiring S, Taylor MP, Vanacker V, Lovegrove D. An evolving Anthropocene for science and society. *Anthropocene* 13:1-3.
- 2016 O'Dowd AP, **Chin A**. Do bio-physical attributes of steps and pools differ in high-gradient mountain streams? *Hydrobiologia* 776(1):67-83.
- 2016 **Chin A**, An L, Florsheim JF, Laurencio LR, Marston RA, Solverson AP, Simon GL, Stinson E, Wohl E. Investigating feedbacks in human-landscape systems: lessons following a wildfire in Colorado, USA. *Geomorphology* 252:40-50.
- 2016 Florsheim JF, **Chin A**, O'Hirok LS, Storesund R. Short-term post-wildfire dry ravel processes in a chaparral fluvial system. *Geomorphology* 252:32-39.
- 2014 **Chin A**, Laurencio LR, Wohl E, Daniels MD, Urban MA, Boyer KL, Butt A, Piegay H, Gregory KJ. The significance of perceptions and feedbacks for effectively managing wood in rivers. *River Research and Applications* 30:98-111.
- 2014 **Chin A**, Florsheim JL, Wohl E, Collins BD. Feedbacks in human-landscape systems. *Environmental Management* 53(1):28-41.
- 2014 Wohl E, Gerlak AK, Poff NL, **Chin A**. Common core themes in geomorphic, ecological, and social systems. *Environmental Management* 53(1):14-27.
- 2014 Harden CP, **Chin A**, English MR, Fu R, Galvin K, Gerlak AK, McDowell PF, McNamara DE, Peterson JM, Poff NL, Rosa EA, Solecki W, Wohl E. Understanding human-landscape interactions in the "Anthropocene." *Environmental Management* 53(1):4-13.
- 2013 Florsheim JL, **Chin A**, Gaffney K, Slota D. Thresholds of stability in incised "Anthropocene" landscapes. *Anthropocene* 2:27-41.
- 2013 **Chin A**, Fu R, Harbor J, Taylor MP, Vanacker V. Anthropocene: Human interactions with Earth systems. *Anthropocene* 1:1-2.