

## ANNE CHIN

Department of Geography and Environmental Sciences, University of Colorado Denver, Denver, CO 80217  
anne.chin@ucdenver.edu; 303-556-3958

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### ACADEMIC TRAINING

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

Research Interests: human-landscape interactions; response of mountain and urban rivers to environmental change; river management; the "Anthropocene"

### APPOINTMENTS

2010 – present Professor, Department 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 Spatial Sciences)  
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 Geological Society of America Association of American Geographers

### SELECTED HONORS

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, *Anthropocene*, 2012-present  
Editor, *Earth-Science Reviews*, 2011-2013  
Editorial Board, *The Southwestern Geographer*, 1997-present; *Geography Compass*, 2006-present

### ADVISORY AND CONSULTATION ACTIVITIES

Second Vice Chair ((2013-2014), First Vice Chair (2014-2015), Chair (2015-2016), Quaternary Geology and Geomorphology Division; Geological Society of America  
Technical Advisor, Restoration Design Group (2010-present); Southern California Coastal Water Research Project (2007-2010); The Nature Conservancy/Caddo Lake Institute (2004-2005)  
Advisory panel, National Science Foundation: Critical Zone Observatories (2013); Geomorphology and Land Use Dynamics Program (2010); Geography and Regional Science Program (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, Association of American Geographers; Delegate (2008-2009), International Association of Geomorphologists  
Consulting expert, Jones, Skelton & Hochuli (*United States vs. Johnson, et al.* 2006-2010 and *State of Arizona vs. Johnson, et al* 2006-2007, for the defense)

### BOOKS AND EDITED VOLUMES

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 (one of ten authors), National Research Council, Washington D.C.: National Academies 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 PUBLICATIONS

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.
- 2014 **Chin A**, Galvin KA, Gerlak AK, Harden CP, Wohl E. The future of human-landscape interactions: drawing from the past, anticipating the future. *Environmental Management* 53(1):1-3.
- 2013 Florshiem 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.
- 2013 Simon GL, Wee BS, **Chin A**, Depierre Tindle A., Guth D, Mason H. Synthesis for the interdisciplinary environmental sciences: integrating systems approaches and service learning. *Journal of Science College Teaching* 42(5):42-49.
- 2013 **Chin A**, O'Dowd AH, Gregory KJ. Urbanization and river channels. In: Shroder JF (Ed in Chief), Wohl E (Vol Ed) *Treatise on Geomorphology* V 9, Fluvial Geomorphology, San Diego: Academic Press, p.809-827.
- 2013 Florsheim JL, **Chin A**, Nichols A. Effects of multiple small stock-pond dams in a coastal watershed in central California: implications for removing small dams for restoration. In: *The Challenges of Dam Removal and River Restoration (GSA Reviews in Engr Geol)*, JV De Graff and JE Evans, Eds, p.149-160.
- 2010 **Chin A**, Gelwick F, Laurencio DE, Laurencio LR, Byars MS, Scoggins M. Linking geomorphological and ecological responses in restored urban pool-riffle streams. *Ecological Restoration* 28(4):460-474.
- 2010 Wohl E, **Chin A**, Haltiner J, Kondolf GM. Managing stream morphology with check dams. In: *Check Dams, Morphological Adjustment and Erosional Control in Torrential Streams*, C. Conesa Garcia, MA Lenzi, Eds, Nova Science Publishers, p.135-149.
- 2009 **Chin A**, Purcell AH, Quan JW, Resh VH. Assessing geomorphological and ecological responses in restored step-pool systems. *Geological Society of America Special Paper* 451:197-214.
- 2009 **Chin A**, Gregory KJ. From research to application: management implications from studies of urban river channels. *Geography Compass* 3(1):297-328.
- 2009 **Chin A**, Anderson S, Collison A, Ellis-Sugai B, Haltiner J, Hogervorst J, Kondolf GM, O'Hirok LS, Purcell AH, Riley AL, Wohl E. Linking theory and practice for restoration of step-pool streams. *Environmental Management* 43(4):645-661.
- 2008 Florsheim JL, Mount JF, **Chin A**. Bank erosion as a desirable attribute of rivers. *BioScience* 58:519-529.
- 2008 **Chin A**, Daniels MD, Urban MA, Piegay H, Gregory KJ, Bigler W, Butt A, Grable J, Gregory SV, Lafrenz M, Laurencio LR, Wohl E. Perceptions of wood in rivers and challenges for stream restoration in the United States. *Environmental Management* 41:893-903.
- 2008 **Chin A**, Laurencio LR, Martinez AE. The hydrologic importance of small- and medium-sized dams: examples from Texas. *The Professional Geographer* 60(2): 238-251.
- 2008 LeLay Y, Piégay H, Gregory KJ, **Chin A**, Dolédec S, Elozegi A, Mutz M, Wyzga B, Zawiejka J. Variations in cross-cultural perceptions of riverscapes in relation to in-channel wood. *Transactions of the Institute of British Geographers* 33(2): 268-287.
- 2007 **Chin A**, Phillips JD. The self-organization of step-pools in mountain streams. *Geomorphology* 83:346-358.
- 2006 **Chin A**. Urban transformation of river landscapes in a global context. *Geomorphology* 79:460-487.
- 2005 Piegay H, Gregory KJ, Bondarev V, **Chin A**, Dalhstrom N, Elozegi A, Gregory SV, Joshi V, Mutz M, Rinaldi M, Wyzga B, Zawiejska J. Public perception as a barrier to introducing wood in rivers for restoration purposes. *Environmental Management* 36:665-674.
- 2005 **Chin A**, Wohl E. Toward a theory for step pools in stream channels. *Progress in Physical Geography* 29:1-22
- 2005 **Chin A**, Gregory KJ. Managing urban river channel adjustments. *Geomorphology* 69:28-45.
- 2003 **Chin A**. The geomorphic significance of step-pools in mountain streams. *Geomorphology* 55:125-137.
- 2002 **Chin A**, Harris DL, Trice TH, Given JL. Adjustment of stream channel capacity following dam closure, Yegua Creek, Texas. *Journal of the American Water Resources Association* 8(6):1521-31.
- 2002 Gregory K.J., **Chin A**. Urban stream channel hazards. *Area* 34(3):312-321.
- 2002 **Chin A**. The periodic nature of step-pool mountain streams. *American Journal of Science* 302:144-167.
- 2001 **Chin A**, Gregory KJ. Urbanization and adjustment of ephemeral stream channels. *Annals of the Association of American Geographers* 91(4):595-608.
- 1999 **Chin A**. On the origin of step-pool sequences in mountain streams. *Geophysical Research Letters* 26:231-234.
- 1999 **Chin A**. The morphologic structure of step-pools in mountain streams. *Geomorphology* 27:191-204.
- 1998 **Chin A**. On the stability of step-pool mountain streams. *The Journal of Geology* 106:59-69.
- 1989 **Chin A**. Step pools in stream channels. *Progress in Physical Geography* 13(3):391-407.