
Nicholas Pinter

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EDUCATION

1988 - 1993 PhD., Geology, University of California, Santa Barbara
1986 - 1988 M.S., Geology, Penn State University, Univ. Park, PA
1982 - 1986 B.A., Geology and Archaeology, Cornell University, Ithaca, NY

RESEARCH AREAS

- Geomorphology: the geology of the earth-surface
- Human influences on landscapes and geomorphic processes
- Rivers, flooding, and floodplain management

PROFESSIONAL POSITIONS

2015 - Full Professor; Shlemon Chair in Applied Geosciences
1996 - 2015 Full Professor (since 7/05), Southern Illinois University
Author: Prentice Hall and John Wiley & Sons
1995 -1996 Postdoctoral Researcher, Yale University

RECENT HONORS/AWARDS

- 2013-2018: Fulbright Specialist, U.S. State Dept., Bureau of Educational and Cultural Affairs (roster)
- 2013: Nominee: W.K. Kellogg Foundation & APLU Engagement Award (to SIU Olive Branch team)
- 2012: Illinois Mitigation Award: Illinois Association of Floodplain and Stormwater Managers
- 2010: Marie Curie Fellowship (IIF), European Commission
- 2010: Fulbright Fellowship (declined; see above)
- 2009: Leo Kaplan Research Award, Sigma Xi, SIU Chapter
- 2008: SIU College of Science, Outstanding Researcher award
- 2007: Alexander von Humboldt Foundation, Germany Research Renewal Fellowship
- 2005, 2006: SIU nominee, Jefferson Fellows Program; National Academy of Sciences
- 2003 Friedrich Wilhelm Bessel Prize; Alexander von Humboldt Foundation
- 2002 John D. and Catherine T. MacArthur Foundation, Research and Writing Award
- 2000 Fulbright Foundation Fellowship
- 1999 Charles A. Lindbergh Foundation Prize

BOOKS, WORKSHOPS, EDITED VOLUMES, and OTHER PROF. ACTIVITIES

Invited Written Testimony: Statement submitted for hearings entitled "A Review of the 2011 Floods and the Condition of the Nation's Flood Control Systems," before the Senate Environment and Public Works Committee, United States Senate, Washington DC, October 18, 2011.

Panelist, U.S. National Academy of Science: Committee on Missouri River Recovery and Associated Sediment Management Issues, 2008-2010.

Associate Editor: Environmental & Engineering Geoscience, Association of Environmental & Engineering Geologists, Denver, CO.

Convener, American Association for the Advancement of Science Workshop: Managing rivers and floodplains for the new millennium. AAAS national meeting, 2006.

External Reviewer, National Research Council, The National Academies: Review of the U.S. Army Corps of Engineers Restructured Upper Mississippi River-Illinois Waterway Navigation Study.

Member, Advisory Board: The Nature Conservancy Great Rivers Center (Upper Mississippi, Parana-Paraguay, and Upper Yangtze River systems).

Lead Editor: Pinter, N., G. Grencz, J. Weber, S. Stein, and D. Medak, 2006. The Adria Microplate: GPS Geodesy, Tectonics, and Hazards. Springer Verlag.

Expert Witness: e.g., B&H Towing, Inc., Case No. 06-05-0233 (U.S. District Court, Southern District of W. Virginia); Great Rivers Habitat Alliance v. U.S. Army Corps of Engineers, No. 4:05-CV-01567-ERW (U.S. District Court, Eastern District of Missouri); Great Rivers Habitat Alliance v. City of St. Peters, No. 04-CV-326900 (Circuit Court of Cole County, Missouri); Henderson County Drainage District No. 3 et al. v. United States, No. 03-WL-179780 (Ct. Fed. Cls, Kansas City), etc.

Associate Editor: Geomorphology, Elsevier Science, 2004-2008

Instructor, European Union Advanced School on Tectonics: 3D Monitoring of Active Tectonic Structures, International Centre for Theoretical Physics, Trieste, April 18-22, 2005.

Convener, NATO Advanced Research Workshop: The Adria microplate: GPS geodesy, tectonics, and hazards. Veszprém, Hungary; April, 2004.

Convener, Pardee Keynote Symposium: Pinter, N., and J.F. Mount, 2002, Flood hazard on dynamic rivers: Human modification, climate change, and the challenge of non-stationary hydrology. Geological Society of America national meeting, 2002.

Author: Keller, E.A. and N. Pinter, 2002. Active Tectonics: Earthquakes and Landscape. Prentice-Hall.

Co-Editor: Burbank, D.W., and N. Pinter, 1999. Landscape evolution: The interactions of tectonics and surface processes. Basin Research, vol. 11, num. 1.

Author: Pinter, N, 1996. Exercises in Active Tectonics. Prentice Hall.

Convener and Instructor: Pazzaglia, F.J., and N. Pinter, 1996. Geomorphic expression of active tectonics. Short course at the 1996 Geological Society of America meeting, Denver.

Convener, Theme Session: N. Pinter, and D.W. Burbank, 1996. Feedbacks between tectonics and surface processes in orogenesis. Geological Society of America meeting, Denver.

Author: Pinter, N., and S. Pinter, 1995. Study Guide for Environmental Science. J. Wiley & Sons.

FUNDED PROJECTS

Natural Resources Defense Council: Technical guidance for policy proposal for reforms to the National Flood Insurance Program.

NSF Infrastructure Management for Extreme Events: Community resilience through pro-active mitigation in the rural Midwest.

NSF IGERT: Multidisciplinary, team-based training watershed science and policy. (Lead PI: Pinter; \$3.2 million) + **International Supplement**

FEMA: Illinois multi-hazard mitigation initiative (Lead PI: Pinter; with Indiana University-Purdue University at Indianapolis). ~45 awarded + 4 pending.

NSF RAPID: A massive floodplain reconnects: physical and biotic responses of the Birds Point levee breach in the Mississippi River (J. Garvey, lead PI).

IEMA: Illinois statewide flood-hazard assessment (J. Remo, lead PI).

Walton Family Foundation: Olive Branch, IL Relocation Initiative: Community Disaster-Recovery Networking

NSF Sedimentology and Paleobiology program: Testing hypotheses of latest Pleistocene paleo-environmental collapse, Northern Channel Islands, California (Lead PI: Pinter; collaborative project with Northern Arizona University; Univ. of Oregon)

Emergency Management Institute curricula: HAZUS-MH for earthquakes.

U.S. Steel: Levee-breach modeling, Metro East Drainage and Levee District area.

European Commission, Marie Curie IIF Program: Early anthropogenic signatures on landscapes: geomorphic, paleobotanical, and other paleo-environmental fingerprints.

NSF, Geography and Regional Science: A multivariate geospatial model of levee impacts on flood heights, Lower Mississippi River + **International Supplement** awarded

National Geographic Society: Testing a hypothesis of latest Pleistocene paleo-environmental collapse, Northern Channel Islands, California.

USGS Upper Midwest Environmental Sciences Center: Development of a virtual hydrologic and geospatial data repository for the Mississippi River System

NSF, Office of International Science and Engineering: U.S.-Chile: Morphotectonic evolution of the U.S.-Chile: Mejillones Peninsula, northern Chile using precise GPS measurement of uplifted coastal terraces

NSF Hydrologic Sciences Program: Multivariate geospatial analysis of engineering and flood response, Mississippi River System, USA.

NSF, International Science and Engineering: US-Chile cooperative research on the Cenozoic paleoceanographic and paleoclimatic evolution of northern and central Chile. (Ishman and Pinter)

NATO Science Program: The Adria microplate: GPS geodesy, tectonics, and hazards.

John D. and Catherine T. MacArthur Foundation: Exporting Natural Disasters: Flooding and Flood Control on Transboundary Rivers

NATO: The Adria Microplate: Postdoctoral Fellowship for Dr. G. Grenerczy.

USGS National Cooperative Geologic Mapping Program (6/03-5/04). Plio-Pleistocene Deposits of the White/Inyo Mountains Range Front, Inyo and Mono Counties, CA

Alexander von Humboldt Foundation: Human forcing of hydrologic change and magnification of flood hazard on German Rivers

NASA (9/01-8/02)). Assessing mass wasting and landslide susceptibility using GIS and remotely sensed imagery, Santa Cruz Island, California. (ESS Fellowship for E. Molander)

Association of State Floodplain Managers (9/01-8/02). Rapid revision of flood-hazard mapping. (Fellowship for R. Heine)

Missouri Coalition for the Environment (7/01-5/02). Hydrologic history of the Lower Missouri River.

NOAA Channel Islands National Marine Sanctuary (12/99-6/02). Orthorectification of 1997, pre-El Niño air-photo set from the California Channel Islands.

Petroleum Research Fund (7/99-10/01). Timing and rates of basin inversion from tectonic geomorphology, Pannonian Basin, Hungary. (**Supplement** [5/00-4/01] for an ACS-PRF Summer Fellow)

USGS National Cooperative Geologic Mapping Program (5/00-4/01). Mapping landslide susceptibility, Santa Cruz Island, California: A field- and GIS-based analysis.

National Park Service, Channel Islands National Park (4/00-9/00). Orthorectification of 1998, post-El Niño air-photo set from the California Channel Islands.

USGS National Cooperative Geologic Mapping Program (6/99-5/00). Mapping coastal terraces and Quaternary cover on Santa Rosa and San Miguel Islands, California, using dual-frequency kinematic GPS positioning.

NSF Active Tectonics Program (3/97-2/00), (**Supplement** granted). Testing models of fault-related folding, Northern Channel Islands, California.

NASA (9/00-8/01)). Assessing mass wasting and landslide susceptibility using GIS and remotely sensed imagery, Santa Cruz Islands, California. (ESS Fellowship for W.D. Vestal)

National Earthquake Hazards Reduction Program (7/97-12/99): Slip on the Channel Islands/Santa Monica Mountains Thrust. (**Supplement** granted)

NSF, Instrumentation and Facilities Program (8/97-7/99): Acquisition of a GIS-dedicated UNIX workstation laboratory.

SIU Office of Research Development (8/97-5/99). Effects of levee construction and channelization on stage-discharge flood response of the Upper Mississippi River.

National Research Council (1997). Active tectonics of the Pannonian Basin, Hungary.

National Earthquake Hazards Reduction Program (2/92-7/93). Latest Pleistocene to Holocene rupture history of the Santa Cruz Island fault. (with Ed Keller)

PUBLICATIONS

Books: National Research Council, 2010. Missouri River Planning: Recognizing and Incorporating Sediment Management. National Academy Press: Washington, DC.

Pinter, N., G. Grencz, J. Weber, S. Stein, and D. Medak (eds.), 2006. The Adria Microplate: GPS Geodesy, Tectonics, and Hazards. Springer Verlag.

Keller, E.A. and N. Pinter, 2002. Active Tectonics: Earthquakes and Landscape, 2nd Edition. Prentice-Hall: Upper Saddle River, NJ.

Keller, E.A. and N. Pinter, 1996. Active Tectonics: Earthquakes and Landscape. Prentice-Hall: Upper Saddle River, NJ.

Pinter, N., 1996. Exercises in Active Tectonics: An Introduction to Earthquakes and Tectonic Geomorphology. Prentice Hall.

Pinter, N., and S. Pinter, 1995. Study Guide for Environmental Science. John Wiley & Sons: New York.

Other: Pinter, N., 2017. Volcanic Tableland: In F. Phillips (Ed.), Guidebook for Friends of the Pleistocene, Pacific Cell 2017 Field Trip, Northern Owens Valley.

Pinter, N., R. Hui, K. Schaefer, and D. Conrad, 2016. California, Flood Risk, and the National Flood Insurance Program. California Water Blog, Dec. 14, 2016.

Pinter, N., N. Santos, R. Hui, and K. Schaefer, 2016. New Baton Rouge flood map show limits of current risk and planning methods. California Water Blog, Aug 28, 2016.

Pinter, N., 2016. St. Helena, California: Dealing with a field-of-dreams levee, residual risk, and a flood of controversy. California Water Blog, July 24, 2016.

Pinter, N., 2015. Rising to El Niño's challenges – and opportunities. California Water Blog, Nov. 29, 2015. <https://californiawaterblog.com/2015/11/29/rising-to-el-ninos-challenges-and-opportunities/>.

Pinter, N., 2013. The new flood insurance disaster. Op-Ed in The New York Times, Aug. 28, 2013, p. A27, accessible from <http://www.nytimes.com/2013/08/29/opinion/the-new-flood-insurance-disaster.html>.

Kostyack, J. and N. Pinter, 2011. Solutions: Time to rethink flood control. Op-Ed for the Center for Public Integrity's IWatch News, <http://www.iwatchnews.org/2011/06/10/4866/solutions-time-rethink-flood-control>, available 6/10/2011

Pinter, N., R. Criss, T. Kusky, 2008. Untitled Op-Ed in St. Louis Post-Dispatch, 3/4/2008.

Papers: Bormann, H., and N. Pinter, in press. Trends in low flows of German rivers since 1950: Comparability of different low flow indicators and their spatial patterns. River Research and Applications.

- Pinter, N., M. Hardiman, A.C. Scott, R.S. Anderson, 2017. Discussion of "Fluvial system response to late Pleistocene-Holocene sea-level change on Santa Rosa Island, Channel Islands National Park, California." *Geomorphology*, doi.org/10.1016/j.geomorph.2017.03.028.
- Scott, A.C., M. Hardiman, N. Pinter, R.S. Anderson, T.L. Daulton, A. Ejarque, P. Finch, A. Carter-Champion, 2017. Interpreting palaeofire evidence from fluvial sediments: a case study from Santa Rosa Island, California, with implications for the Younger Dryas Impact Hypothesis. *Journal of Quaternary Science*, 32: 35–47.
- Daulton, T.L., S. Amari, A.C. Scott, M. Hardiman, N. Pinter, and R.S. Anderson, 2016. Comprehensive analysis of nanodiamond evidence reported to support the Younger Dryas Impact Hypothesis. *Journal of Quaternary Science*, DOI: 10.1002/jqs.2892.
- Hardiman, M., A.C. Scott, N. Pinter, R.S. Anderson, A. Ejarque, A. Carter-Champion, and R. Staff, 2016. Fire history on the California Channel Islands spanning human arrival in the Americas. *Philosophical Transactions of the Royal Society B*, DOI: 10.1098/rstb.2015.0167.
- Pinter, N., A. Damptz, F. Huthoff, J.W.F. Remo, and J. Dierauer, 2016. Modeling residual risk behind levees, Upper Mississippi River, USA. *Environmental Science & Policy*, 58: doi:10.1016/j.envsci.2016.01.003.
- Huthoff, F., J.W.F. Remo, and N. Pinter, 2015. Improving flood preparedness using hydrodynamic levee-breach and inundation modeling: Middle Mississippi River, USA. *Journal of Flood Risk Management*, 8: 2-18.
- Wesselink, A., J. Warner, M.A. Syed, F. Chan, D.D. Tran, H. Huq, N.G. Thuy, M. van Staveren, P. Wester, A. Zegwaard, F. Huthoff, and N. Pinter, 2015. Trends in flood risk management in deltas around the world: Are we going 'soft'? *International Journal of Water Governance*, 4: 25–46.
- Remo, J.W.F., N. Pinter, and Mahgoub, 2015. Assessing Illinois's Flood Vulnerability Using Hazus-MH. *Natural Hazards*, DOI 10.1007/s11069-015-2077-z.
- Pinter, N., 2015. Discussion of "Analysis of the impacts of dikes on flood stages in the Middle Mississippi River." *Journal of Hydraulic Engineering*, doi:10.1061/(ASCE)HY.1943-7900.0000786.
- Pinter, N., 2015. Discussion of "Mississippi River streamflow measurement techniques at St. Louis, Missouri." *Journal of Hydraulic Engineering*, doi:10.1061/(ASCE)HY.1943-7900.0000752.
- Huthoff, F., N. Pinter, and J.W.F. Remo, 2014. Closure to "Theoretical analysis of wing dike impact on river flood stages". *Journal of Hydraulic Engineering*, doi:10.1061/(ASCE)HY.1943-7900.0000698.
- Pinter, N., S. Baer, L. Chevalier, R. Kowalchuk, C. Lant, and M. Whiles, 2013. An "IGERT" model for interdisciplinary doctoral education in water-related science and policy. *Journal of Contemporary Water Research and Education*, 150: 53-62.
- Huthoff, F., N. Pinter, and J.W.F. Remo, 2013. Theoretical analysis of wing dike impact on river flood stages. *Journal of Hydraulic Engineering*, 139: 550-556.
- Remo, J.W.F., A. Khanal, and N. Pinter, 2013. Assessment of chevron dikes for the enhancement of physical-aquatic habitat within the Middle Mississippi River, USA. *Journal of Hydrology*, 501: 146-162.
- Huthoff, F., H. Barneveld, N. Pinter, J. Remo, H. Eerden, 2013. Optimizing design of river training works using 3-dimensional flow simulations. *In Smart Rivers 2013 (Conference Proceedings)*, Liege, Belgium and Maastricht, Netherlands, 23-27 September, 2013.
- Remo, J.W.F., and N. Pinter, 2012. Hazus-MH earthquake modeling in the central USA. *Natural Hazards*, 63:1055–1081.
- Dierauer, J., N. Pinter, J.W.F. Remo, 2012. Evaluation of Levee Setbacks for Flood-Loss Reduction, Middle Mississippi River, USA. *Journal of Hydrology*, 450: 1-8.
- Pinter, N., J. Dierauer, J.W.F. Remo, 2012. Flood-damage modeling for assessing impacts of flood frequency adjustment, Middle Mississippi River, USA. *Hydrologic Processes*, 26: 2997–3002.
- Remo, J.W.F., M. Carlson, N. Pinter, 2012. Hydraulic and flood-loss modeling of levee, floodplain, and

- river management strategies, Middle Mississippi River, USA. *Natural Hazards*, 61: 551-575.
- Pinter, N., 2012. Early history of the Upper Mississippi River *In* Brad Walker (Ed.), *Our Future? A Vision for a Land, Water and Economic Ethic in the Upper Mississippi River Basin*, pp. 10-12. St. Louis: Missouri Coalition for the Environment.
- Pinter, N., 2012. Upper Mississippi River history and hydrology. *In* Brad Walker (Ed.), *Our Future? A Vision for a Land, Water and Economic Ethic in the Upper Mississippi River Basin*, pp. 56-60. St. Louis: Missouri Coalition for the Environment.
- Heine, R.A., and N. Pinter, 2012. Levee effects upon flood levels: An empirical assessment. *Hydrological Processes*, 26: 3225–3240.
- Boslough, M., K. Nicoll, V. Holliday, T. L. Daulton, D. Meltzer, N. Pinter, A. C. Scott, T. Surovell, Ph. Claeys, J. Gill, F. Paquay, J. Marlon, P. Bartlein, C. Whitlock, D. Grayson, and T. Jull, 2011. Arguments and evidence against a Younger Dryas impact event. *Proceedings of the AGU Chapman Conference on Climates, Past Landscapes, and Civilizations*, Santa Fe, NM, 21-25 March, 2011.
- Bormann, H., N. Pinter, and S. Elfert, 2011. Hydrological signatures of flood trends on German rivers: flood frequencies, flood heights and specific stages. *Journal of Hydrology*, 404: 50-66.
- Pinter, N., A.C. Scott, T.L. Daulton, A. Podoll, C. Koeberl, R.S. Anderson, and S.E. Ishman, 2011. The Younger Dryas impact hypothesis: A requiem. *Earth-Science Reviews*, 106: 247–264.
- Flor, A.D., N. Pinter, and J.W.F. Remo, 2011. The ups and downs of levees: GPS-based change detection, Middle Mississippi River USA. *Geology*, 39: 55-58.
- Pinter, N., S. Fiedel, and J.E. Keeley, 2011. Fire and vegetation shifts in the Americas at the vanguard of Paleoindian migration. *Quaternary Science Reviews*, 30: 269-272.
- Flor, A.D., N. Pinter, and J.W.F. Remo, 2010. Evaluating levee failure susceptibility on the Mississippi River using logistic regression analysis. *Engineering Geology*, 116: 139-148.
- Daulton, T.L., N. Pinter, and A.C. Scott, 2010. No evidence of nanodiamonds in Younger Dryas sediments to support an impact event. *PNAS*, 107: 16043–16047.
- Scott, A.C., N. Pinter, M.E. Collinson, M. Hardiman, R.S. Anderson, A.P.R. Brain, S.Y. Smith, F. Marone, and M. Stampanoni, 2010. Fungus, not comet or catastrophe, accounts for carbonaceous spherules in the Younger Dryas ‘impact layer’. *Geophysical Research Letters*, 37: doi:10.1029/2010GL043345.
- Pinter, N., A.A. Jemberie, J.W.F. Remo, R.A. Heine, and B.A. Ickes, 2010. Empirical modeling of hydrologic response to river engineering, Mississippi and Lower Missouri Rivers. *River Research and Applications*, 26: 546-571.
- Pinter, N., 2010. Historical discharge measurements on the Middle Mississippi River, USA: No basis for “changing history.” *Hydrological Processes*, 24: 1088-1093.
- Remo, J.W.F., N. Pinter, and R.A. Heine, 2009. The use of retro- and scenario- modeling to assess effects of 100+ years river engineering and land cover change on Middle and Lower Mississippi River flood stages. *Journal of Hydrology*, 376: 403–416.
- Anderson, R.S., S. Starratt, R.B. Jass, and N. Pinter, 2009. Fire and vegetation history on Santa Rosa Island, Channel Islands: Long-term environmental change in southern California. *Journal of Quaternary Science*, DOI: 10.1002/jqs.
- Pinter, N., 2009. Non-stationary flood occurrence on the Upper Mississippi-Lower Missouri River system: Review and current status. *In* R. E. Criss and Timothy M. Kusky (Eds.), *Finding the Balance between Floods, Flood Protection, and River Navigation*, pp. 34-40. Saint Louis University, Center for Environmental Sciences. Available online, URL: <http://www.ces.slu.edu/>.
- Pinter, N., A.A. Jemberie, J.W.F. Remo, R.A. Heine, and B.S. Ickes, 2008. Flood trends and river engineering on the Mississippi River system, *Geophysical Research Letters*, 35, L23404, doi:10.1029/2008GL035987.
- Jemberie, A.A., N. Pinter, and J.W.F. Remo, 2008. Hydrologic history of the Mississippi and Lower

- Missouri Rivers based upon a refined specific-gage approach. *Hydrologic Processes*, 22: 7736-4447, doi:10.1002/hyp.7046.
- Pinter, N., and S.E. Ishman, 2008. Reply to comments on "Impacts, mega-tsunami, and other extraordinary claims." *GSA Today*, vol. 18(6): e14.
- Szilagyi, J., N. Pinter, and R. Venczel, 2008. Application of a routing model for detecting channel flow changes with minimal data. *Journal of Hydrologic Engineering*, 13: 521-526.
- Remo, J.W.F., N. Pinter, B. Ickes, and R. Heine, 2008. New databases reveal 200 years of change on the Mississippi River System. *Eos*, 89(14): 134-135.
- Pinter, N., and S.E. Ishman, 2008. Impacts, mega-tsunami, and other extraordinary claims. *GSA Today*, 18(1): 37-38.
- Remo, J.W.F. and Pinter, N., 2007. The use of spatial systems, historic remote sensing and retro-modeling to assess man-made changes to the Mississippi River System. In: Zaho, P. et al. (eds.), *Proceedings of International Association of Mathematical Geology 2007: Geomathematics and GIS Analysis of Resources, Environment and Hazards*. State Key Laboratory of Geological Processes and Mineral Resources, Beijing, China, pp. 286-288.
- Bada, G., Grenerczy, G., Tóth, L., Horváth, F., Stein, S., Cloetingh, S., Windhoffer, G., Fodor, L., Pinter, N., Fejes, I., 2007. Motion of Adria and ongoing inversion of the Pannonian basin: Seismicity, GPS velocities and stress transfer. In: Stein, S., Mazzotti, S., (Eds.), *Continental Intraplate Earthquakes: Science, Hazard, and Policy Issues*. Geological Society of America Special Paper 425, p. 243–262, doi: 10.1130/2007.2425(16).
- Remo, J.W.F., and N. Pinter, 2007. Retro-modeling of the Middle Mississippi River. *Journal of Hydrology* 337: 421-435.
- Pinter, N., B.S. Ickes, J.H. Wlosinski, and R.R. van der Ploeg, 2006. Trends in flood stages: Contrasting trends in flooding on the Mississippi and Rhine river systems. *Journal of Hydrology*, 331: 554-566.
- Pinter, N., 2006. New Orleans revival recipes. *Issues in Science and Technology*, 22(3): 5-6.
- Pinter, N., and G. Grenerczy, 2006. Recent advances in peri-Adriatic geodynamics and future research directions. In N. Pinter, G. Grenerczy, J. Weber, S. Stein, and D. Medak (eds.), *The Adria Microplate: GPS Geodesy, Tectonics, and Hazards*, pp. 1-20. Springer Verlag.
- Pinter, N., R.R. van der Ploeg, P. Schweigert, and G. Hoefer, 2006. Flood Magnification on the River Rhine. *Hydrological Processes*, 20: 147-164.
- Pinter, N., and M.T. Brandon, 2005. How erosion builds mountains. *Scientific American Special*, 15(2) 74-81.
- Pinter, N., 2005. Policy Forum: One step forward, two steps back on U.S. floodplains. *Science*, 308: 207-208.
- Pinter, N., 2005. Applications of tectonic geomorphology for deciphering active deformation in the Pannonian Basin, Hungary. In L. Fodor and K. Brezsnýánszky (eds.), *Proceedings of the Workshop on "Applications of GPS in Plate Tectonics in Research on Fossil Energy Resources and in Earthquake Hazard Assessment*, Occasional Papers of the Geological Institute of Hungary, 204: 25-51.
- Pinter, N., and W.D. Vestal, 2005. El Niño-driven landsliding and postgrazing recovery, Santa Cruz Islands, California. *Journal of Geophysical Research*, 110, F2, doi. 10.1029/2004JF000203.
- Pinter, N., and R.A. Heine, 2005. Hydrodynamic and morphodynamic response to river engineering documented by fixed-discharge analysis, Lower Missouri River, USA. *Journal of Hydrology*, 302: 70-91.
- Schweigert, P., N. Pinter, and R.R. van der Ploeg, 2004. Regression analysis of weather effects on the annual concentrations of nitrate in soil and groundwater. *Journal of Plant Nutrition and Soil Science*, 167: 309-318.
- Pinter, N., K. Miller, J.H. Wlosinski, and R.R. van der Ploeg, 2004. Recurrent shoaling and dredging on the Middle and Upper Mississippi River, USA. *Journal of Hydrology*, 290: 275-296.

- Scott, A.T., and N. Pinter, 2003. Extraction of coastal terraces and shoreline-angle elevations from digital terrain models, Santa Cruz and Anacapa Islands, California. *Physical Geography*, 24: 271-294.
- Gieska, M., R.R. van der Ploeg, P. Schweigert, and N. Pinter, 2003. Physikalische Bodendegradierung in der Hildesheimer Börde und das Bundes-Bodenschutzgesetz. *Berichte über Landwirtschaft* 81(4): 485-511.
- Pinter, N., C.C. Sorlien, and A.T. Scott, 2003. Isostatic subsidence in response to thrust faulting and fold growth. *American Journal of Science*, 303: 300-318.
- Pinter, N., and R. Thomas, 2003. Engineering modifications and changes in flood behavior of the Middle Mississippi River. In R. Criss and D. Wilson, (eds.), *At The Confluence: Rivers, Floods, and Water Quality in the St. Louis Region*, pp. 96-114.
- Pinter, N., R. Thomas, and J.H. Wlosinski, 2002. *Reply to U.S. Army Corps of Engineers Comment on "Assessing flood hazard on dynamic rivers."* *Eos: Transactions of the American Geophysical Union*, 83(36): 397-398.
- Pinter, N., J.H. Wlosinski, and R. Heine, 2002. The case for utilization of stage data in flood-frequency analysis: Preliminary results from the Middle Mississippi and Lower Missouri River. *Hydrologic Science and Technology Journal*, 18(1-4): 173-185.
- Pinter, N., R. Thomas, and J.H. Wlosinski, 2001. Flood-hazard assessment on dynamic rivers. *Eos: Transactions of the American Geophysical Union*, 82(31): 333-339.
- Pinter, N., B. Johns, B. Little, and W.D. Vestal, 2001. Fault-related folding in California's Northern Channel Islands documented by rapid-static GPS positioning. *GSA Today*, 11(5): 4-9.
- Pinter, N., R. Thomas, and N.S. Philippi, 2001. Side-stepping environmental conflicts: The role of natural-hazards assessment, planning, and mitigation. E. Petzold-Bradley, A. Carius, and A. Vincze (eds.), *Responding to Environmental Conflicts: Implications for Theory and Practice*, p. 113-132. Dordrecht: Kluwer Academic Publishers.
- Lueddecke, S.B., N. Pinter, and S. McManus, 2001. Greenhouse effect in the classroom: A project- and laboratory-based curriculum. *Journal of Geological Education*, 49: 274-279.
- Pinter, N., R. Thomas, and J.H. Wlosinski, 2000. Regional impacts of levee construction and channelization, Middle Mississippi River, USA. In J. Marsalek, W.E. Watt, E. Zeman, and F. Sieker (eds.), *Flood Issues in Contemporary Water Management*, p. 351-361. Dordrecht: Kluwer Academic Publishers.
- Pinter, N., 2000. Global geomorphology. In P.L. Hancock and B.J. Skinner (eds.), *Oxford Companion to the Earth*, pp. 456-458. Oxford University Press.
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