Curriculum Vitae

Jolante van Wijk, PhD

Los Alamos National Laboratory
Professor of Geophysics, New Mexico Tech (Joint Appointment)

Positions Held

2021-present	Los Alamos National Laboratory
2020-present	Professor of Geophysics, Department of Earth and Environmental Science, New Mexico Tech (Joint Appointment with Los Alamos National Laboratory since 2021)
2019-2020	Associate Department Chair, Department of Earth and Environmental Science, New Mexico Tech
2017-2019	Associate Professor of Geophysics (with tenure), Department of Earth and Environmental Science, New Mexico Tech
2017 fall	Visiting Scientist, Pioneer Natural Resources, Dallas TX
2018-present	Adjunct Professor, University of Houston
2013-2017	Associate Research Professor, University of Houston
2013-2016	Assistant Professor of Geophysics, Department of Earth and Environmental Science, New Mexico Tech
2009-2013	Assistant Professor, University of Houston, Department of Earth and Atmospheric Sciences
2006-2008	Director's Funded Postdoc, Los Alamos National Laboratory
2003-2006	Postdoc at IGPP, Scripps Institution of Oceanography, UCSD, La Jolla, CA

Education

PhD	Vrije Universiteit, Amsterdam, the Netherlands, Geophysics (2002)
MSc, BS	Utrecht University, Utrecht, the Netherlands, Geophysics (1997)

Publications

*invited, *italic* indicates student first-authorship

- Mehana, M., Heimerl, J., Malki, M., Ma, Z., Chen, B., and Van Wijk, J., 2024, Assessing the feasibility of retrofitting legacy wells for CO2 geological sequestration: A regulatory and technical analysis. Submitted to International Journal of Greenhouse Gas Control.

- *Cull-Host*, J., Sharan, P., Mehana, M., and van Wijk, J., 2024, New Mexico as a testbed for safe beneficial produced water reuse. Submitted to *Journal of Environmental Management*.
- van Wijk, J., 2024, The oldest parts of continents are falling apart. Nature Geoscience News & Views, Sept. 1-2.*
- *Heimerl*, J., Nolt-Caraway, S., Ma, Z., Chen, B., van Wijk, J. and Mehana, M., 2024, Sustainable energy solutions: Well retrofit analysis and emission reduction for a net-zero future in the Intermountain West, United States of America. Journal of Environmental Management, 361, p.121271.
- Coblentz, D., van Wijk, J., Carmichael, J., Johnson, C., Delorey, A., et al., 2024, New approaches to an old problem: addressing spatial gaps in the World Stress Map, Geological Society, London, Special Publications 546 (1), SP546-2023-27.
- Ebinger, C., van Wijk, J., Olaka, C., Meriaux, C., and Fontijn, K., 2023, All scales must be considered to understand rifts, Nature Reviews Earth & Environment 4 (4), 209-210*.
- *Chen, F*., Ma, Z., Nasrabadi, H., Chen, B., Mehana, M., and van Wijk, J., 2023, Capacity assessment and cost analysis of geologic storage of hydrogen: A case study in Intermountain-West Region USA, International Journal of Hydrogen Energy 48 (24), 9008-9022.
- Lundin, E.R., Doré, A.G., Naliboff, J., and van Wijk, J., 2023, Utilization of continental transforms in break-up: observations, models, and a potential link to magmatism, Geological Society, London, Special Publications 524 (1), SP524-2021-119.
- *Chen, F*., Ma, Z., Nasrabadi, H., Chen, B., Mehana, M., and van Wijk, J., 2023, Reuse of Produced Water from the Petroleum Industry: Case Studies from the Intermountain-West Region, USA, Energy & Fuels 37 (5), 3672-3684.
- *Heimerl, J*., Ma, Z., Chen, B., Mehana, M., and van Wijk, J., 2023, Assessment of the retrofit potential of existing wellbores for geologic CO_2 sequestration applications, SPE Western Regional Meeting, D021S005R004.
- *Hobbs*, N.F., van Wijk, J.W., Leary, R. and Axen, G.J., 2022. Late Paleozoic evolution of the Anadarko Basin: Implications for Laurentian tectonics and the assembly of Pangea. Tectonics, 41(10), p.e2021TC007197.
- van Wijk, J., Hobbs, N., Rose, P., Mella, M., Axen, G., and Gragg, E., 2021, Analysis of geologic CO_2 migration pathways in Farnsworth Field, NW Anadarko basin, Energies, 14, 7818. https://doi.org/10.3390/en14227818.
- *Lutz,* B., Axen, G., Phillips, F., van Wijk, J., 2021. Whole-lithosphere shear during oblique rifting. Geology 2021, https://doi.org/10.1130/G49603.1.
- Dorsey, R.J., Axen, G.J., Grove, M.J., Housen, B.A., Jefferson, G., McDougall, K., Murray, L., Oskin, M.E., Peryam, T., van Wijk, J.W. and Young, E.K., 2021. Redefining the age of the lower Colorado River, southwestern United States: COMMENT. Geology, 49(9), p. 531.
- *Lutz*, B.M., Ketcham, R.A., Axen, G.J., Beyene, M.A., Wells, M.L., van Wijk, J.W., Stockli, D.F. and Ross, J.I., 2021, Thermo-kinematic modeling of detachment-dominated extension, northeastern Death Valley area, USA: Implications for midcrustal thermal-rheological evolution, Tectonophysics 808, p.228755.
- Li, L., Liu, Y., van Wijk, J., Li, A., Li, Y., Fu, Y.V., 2021, Surface Wave Tomography of the Emeishan Large Igneous Province: Magma Storage System, Hidden Hotspot Track, and its Impact on the Capitanian Mass Extinction, Geology, 49(9), p. 1032-1037.

- Saylor, J., Rudolph, K., Sundell, K., and van Wijk, J., 2020, Laramide orogenesis driven by Late Cretaceous weakening of North American lithosphere, Journal of Geophysical Research: Solid Earth, 125, e2020JB019570. https://doi.org/10.1029/2020JB019570.
- Muirhead, J., Fischer, T.P., Oliva, S.J., Laizer, A., van Wijk, J.W., Currie, C.A., Lee, H., Judd, E.J., Kazimoto, E., Sano, Y., Takahata, N., Tiberi, C., Foley, S.F., Dufek, J., Reiss, M., Ebinger, C.J., Displaced cratonic mantle concentrates deep carbon during continental rifting, Nature, v. 582, p. 67-72, https://doi.org/10.1038/s41586-020-2328-3, 2020.
- van Wijk, J., *Heyman*, S., Axen, G., Persaud, P., Nature of the crust in the northern Gulf of California and Salton Trough, Geosphere, https://doi.org/10.1130GES02082.1, 2019.
- *Berry*, M., van Wijk, J., Cadol, D., Emry, E., and Garcia-Castellanos, D., Endorheic-exorheic transitions of the Rio Grande and East African rifts, Geochemistry, Geophysics, Geosystems, 20. https://doi.org/10.1029/2018GC008176, 2019.
- *Liu*, Y., Murphy, M., van Wijk, J., Koning, D., Smith, T., and Andrea, R., Progressive opening of the Northern Rio Grande rift based on fault structure and kinematics of the Tusas-Abiquiu Segment in north-central New Mexico, U.S., Tectonophysics 753, p. 15-35, https://doi.org/10.1016/j.tecto.2019.01.004, 2019.
- Axen, G., J. van Wijk, and C. Currie, Base of the continental lithosphere scraped off by flat-subduction, Nature Geoscience, doi:10.1038/s41561-018-0263-9, 2018.
- Axen, G., van Wijk, J., Philips, F., Harrison, B., Sion, B., Yao, S., Love, D., The Socorro magma body: discovery, surface uplift, and natural hazards, Earth Matters, winter 2018.
- van Wijk, J., Mozley, P., Czoski, P., *Gragg*, E., Trujillo, N., and Heath, J., Analysis of geologic CO_2 migration pathways in Farnsworth Field, NW Anadarko Basin. In: Southwest Regional Partnership on Carbon Sequestration, Forecasting CO_2 Sequestration with Enhanced Oil Recovery: Learning from SWP Project. In Press, Springer, 2018, 38 pp.
- *Trujillo*, N., Rose-Coss, D., Heath, J.E., Dewers, T.A., Ampomah, W., van Wijk, J., Mozley, P., Cather, M., Multiscale caprock integrity assessment of the Farnsworth Unit, Texas, , In: Southwest Regional Partnership on Carbon Sequestration, Forecasting CO_2 Sequestration with Enhanced Oil Recovery: Learning from SWP Project. In Press, Springer, 2018, 43 pp.
- van Wijk, J., Koning, D., Axen, G., Coblentz, D., *Gragg*, E., and Sion, B., Tectonic subsidence, geoid analysis, and the Miocene-Pliocene unconformity in the Rio Grande rift, southwestern United States: Implications for mantle upwelling as a driving force for rift opening: Geosphere, v. 14, doi:10.1130/GES01522.1., 2018.
- van Wijk, J., Axen, G., and Abera, R., Initiation, evolution, and extinction of pull-apart basins: implications for opening of the Gulf of California: Tectonophysics, Special Issue on the Gulf of California, 719-720, p. 37-50, doi: dx.doi.org/10.1016/j.tecto.2017.04.019, 2017.
- *Abera*, R., van Wijk, J., and Axen, G., Formation of continental fragments: the Tamayo Bank, Gulf of California, Mexico: Geology 44, p. 595-598, doi:10.1130/G38123.1, 2016.
- van Wijk, J., Axen, G., Abera, R., and *Yao*, S., Surface uplift due to thermal expansion around the Socorro Magma Body: preliminary results: New Mexico Geological Society Guidebook, 67th Field Conference, Geology of the Belen Area, p. 277-233, 2016.
- *Currie, C., and van Wijk, J., How craton margins are preserved: insights from geodynamic models: Journal of Geodynamics, doi:10.1016/j.jog.2016.03.015, 2016.
- Ricketts, J.W., Kelley, S.A., Karlstrom, K.E., Schmandt, B., Donahue, M.S., and van Wijk, J., Synchronous opening of the Rio Grande rift along its entire length at 25-10 Ma supported by apatite (U-Th)/He and fission-track thermochronology, and evaluation of

possible driving mechanisms: Geological Society of America Bulletin, doi: 10.1130/B31223.1, 2015.

- Cooper, C., Mittelstaedt, E., Currie, C., van Wijk, J., Kellogg, L., Hwang, L., and R. Arrowsmith, Moving Lithospheric Modeling Forward: Attributes of a community computer code. GSA Today, v. 25, p. 42-43, 2015.
- *Coblentz, D., J. van Wijk, R. M. Richardson, and M. Sandiford, The Upper Mantle Geoid: Implications for Continental Structure and the Intraplate Stress Field, In: Geological Society of America Special Paper 514, doi:10.1130/2015.2514(13), 2015.
- Corti, G., A. Agostini, D. Keir, J. van Wijk. I. Bastow, G. Ranalli, Magma-induced axial subsidence during final-stage rifting: implications for the development of seaward dipping reflectors, Geosphere, doi: 10.1130/GES01076.1, 2015.
- *Meyer, R., and J. van Wijk, 2015, Post-Breakup Lithosphere Recycling below the U.S. East Coast: Evidence From Adakitic Rocks, In: Geological Society of America Special Paper 514, doi:10.1130/2015.2514(06).
- Ebinger, C., J. van Wijk, 2014, Roadmap to continental rupture; is obliquity the route to success? Geology 41, p. 271-272, Research Focus*.*
- Ebinger, C., J. van Wijk, and D. Keir, The timescales of continental rifting: implications for global processes, GSA Special Paper 500, p. 1-26, doi:10.1130/2013.2500(11). Invited paper, 2013.
- *Esedo*, R., J. van Wijk, D. Coblentz, R. Meyer, Uplift prior to continental breakup: indication for removal of mantle lithosphere?, Geosphere 8, p. 1078-1085, 2012.
- Karlstrom, K.E., Coblentz, D., Dueker, K., Ouimet, W., Kirby, E., van Wijk, J., Schmandt, B., et al., Mantle-driven dynamic uplift of the Rocky Mountains and Colorado Plateau and its surface response: Toward a unified hypothesis, Lithosphere, 2011L150.1, doi:10.1130/L150.1, 2011.
- Coblentz, D., C.G. Chase, K.E. Karlstrom, and J. van Wijk, Topography, the geoid, and compensation mechanisms for the southern Rocky Mountains, Geochem. Geophys. Geosyst., 12, Q04002, doi:10.1029/2010GC003459, 2011.
- van Wijk, J., S. Baldridge, J. van Hunen, S. Goes, R. Aster, D. Coblentz, S. Grand, J. Ni, Small- scale convection at the edge of the Colorado Plateau: implications for topography, magmatism, and evolution of Proterozoic lithosphere. Geology 38, 611-614, doi: 10.1130/G31031.1, 2010.
- Beutel , E., van Wijk, J., Ebinger, C., Keir, D., and Agostini, A., Formation and stability of magmatic segments in the Main Ethiopian and Afar rifts. Earth and Planetary Science Letters 293, p. 225–235, 2010.
- Péron-Pinvidic, G., van Wijk, J., Shillington, D., and Gernigon, L., Role of magmatism in continental lithosphere extension: An introduction. Tectonophysics Special Issue, 468, 1-5.
- van Wijk, J.W. and J. van Hunen, Lithosphere-mantle interactions during rifting and continental breakup. Bollettino di Geofisica 49, 342-345, 2009.
- van Wijk, J.W., van Hunen, J. and Goes, S., Small-scale convection during rifting: evidence from the Rio Grande rift. Geology 36, 575-578, 2008.
- Karlstrom, K.E., Crow, R., Crossey, L.J., Coblentz, J., and J.W. van Wijk, Model for tectonically driven incision of the younger than 6 Ma Grand Canyon. Geology 36, 835-838, 2008.

- van Wijk, J.W., J. Lawrence and N.W. Driscoll, Uplift of the Transantarctic Mountains related to formation of the West Antarctic Rift, Tectonophysics thematic volume on "Geodynamics of lithosphere extension", doi:10.1016/j.tecto.2008.03.009, 2008.
- Lawrence, J.F., J.W. van Wijk and N.W. Driscoll, Tectonic implications for uplift of the
- Transantarctic Mountains, in Antarctica: A Keystone in a Changing World – Online Proceedings of the 10th ISAES X, edited by A. K. Cooper and C. R. Raymond et al., USGS Open-File Report 2007-1047, Extended Abstract 016, 4 p, 2007.
- van Wijk, J.W., and L. Gernigon, Discussion on "Mechanisms of crustal growth in large igneous provinces: the North Atlantic Province as a case study", by L. Geoffroy, C. Aubourg, J.P. Callot and J. Barrat. Geological Society Special Paper 430, 2007.
- Corti, G., J.W. van Wijk, S.A.P.L. Cloetingh and C. Morley, Tectonic inheritance and continental rift architecture: numerical and analogue models of the East African Rift System, Tectonics 26, TC6006, doi:10.1029/2006TC002086, 2007.
- van Wijk, J.W. and D.K. Blackman, Development of en echelon magmatic segments along oblique spreading ridges, Geology 35, 599-602, doi:10.1130/G23294, 2007.
- Meyer, R., J.W. van Wijk and L. Gernigon, The North Atlantic Igneous Province: a review of models for its formation, Geological Society of America Special Paper "The origins of melting anomalies: plumes, plates and planetary processes" 430, 525-552, 2007.
- Cloetingh, S., Ziegler, P.A., Beekman, F., Andriessen, P.A.M., Hardebol, N., van Wijk, J., and Dèzes, P., Thermo-mechanical controls on Alpine deformation of NW Europe, Geological Society London Memoirs 32, 113-127, 2006.
- van Wijk, J.W., Role of weak zone orientation in continental lithosphere extension, Geophysical Research Letters, 32, doi:10.1029/2004GL022192, 2005.
- van Wijk, J.W. and D.K. Blackman, Dynamics of continental rift propagation: the end-member modes, Earth and Planetary Science Letters 229, 247-258, 2005.
- van Wijk, J.W. and D.K. Blackman, Deformation of oceanic lithosphere near slow-spreading ridge discontinuities, Tectonophysics 407, 211-225, 2005.
- van Wijk, J.W., R. Van Der Meer and S.A.P.L. Cloetingh, Crustal thickening in an extensional regime: application to the mid-Norwegian Vøring margin, Tectonophysics 387, 217-228, 2004.
- Corti, G., J.W. van Wijk, M. Bonini, D. Sokoutis, S. Cloetingh, F. Innocenti and P. Manetti, Transition from continental break-up to punctiform seafloor spreading: how fast, symmetric and magmatic, Geophysical Research Letters 30, 10.1029/2003GL017374, 2003.
- van Wijk, J.W. and S.A.P.L. Cloetingh, Basin migration caused by slow lithospheric extension, Earth and Planetary Science Letters 198, 275-288, 2002.
- Pascal, C., J.W. Van Wijk, S.A.P.L. Cloetingh and G.R. Davies, Effect of lithosphere thickness heterogeneities in controlling rift localization: numerical modeling of the Oslo Graben, Geophysical Research Letters 29, 10.1029/2001GL014354, 2002.
- van Wijk, J.W., R.S. Huismans, M. Ter Voorde and S.A.P.L. Cloetingh, Melt generation at volcanic continental margins: no need for a mantle plume? Geophysical Research Letters 28, 3995-3998, 2001.
- van Wijk, J.W., R. Govers and K.P. Furlong, Three-dimensional thermal modeling of the California upper mantle; a slab window vs. stalled slab, Earth and Planetary Science Letters 186, 175-186, 2001.

Abstracts and Conference Proceedings

2024 Volcanic hazards of the Valles Caldera, Rio Grande rift. Van Wijk, J., Sweeney, M., and Hobbs, N., AGU, 2024.
2024 Modeling in support of LANL probabilistic volcanic hazard assessment. Sweeney, M., van Wijk, J., NPH Rockville, 2024
2023 What causes cyclic stratigraphy on rifted margins? van Wijk, J. and Blocho, R., AGU23
2023 Lateral rift propagation: A top-down or bottom-up process? Kolawole, F., Ajala, R., van Wijk, J., AGU23
2023 End-loading by short flat slabs: numerical modeling applied to the Laramide and Sierra Pampeanas orogenies. Hobbs, N., van Wijk, J., AGU23
2023 An updated tectonic reconstruction for the Caroline Plate (Western Pacific) incorporating age constraints on oceanic plateau construction and kinematic effects of plateau-subduction zone interaction. Martin, S., Ellis, N., van Wijk, J., AGU23
2023 Ongoing developments for the probabilistic volcanic hazard assessment of Valles Caldera and the Jemez Mountains volcanic field, NM, USA. Sweeney, M., Lavadie-Bulnes, A., Rowe, C.A., van Wijk, J., AGU23
2022 Coupled modelling of fault stability fluctuations during magmatic injection: A case study of the Valles Caldera and Pajarito fault zone. Hobbs, N., van Wijk, J., Coblentz, D., Lucero, D., AGU22
2022 Probabilistic tephra hazard modeling for the Jemez Mountains volcanic field and Valles Caldera, NM USA. Sweeney, M., Liu, N., Lavadie-Bulnes, A., Stanbury, C., van Wijk, J., Rowe, C.A., AGU22
2022 Interpreting surface deformation and seismicity associated with the Socorro Magma Body. van Wijk, J., and Axen, G., AGU22
2021 Magma storage system and hidden hotspot track of the Emeishan Large Igneous Province and its impact on the unusual timing of the Capitanian mass extinction. Liu, Y., Li, L., van Wijk, J., Li, A., and Fu, Y., AGU Fall Meeting 2021, DI011-0008
2021 Mid-crustal magma storage in a continental rift: insights from an actively forming sill Complex. van Wijk, J., Axen, G., Waters, L., AGU Fall Meeting 2021, T-046-04
2021 Late Paleozoic basin evolution of the Anadarko basin: implications for Laurentian tectonics and the assembly of Pangea. Hobbs, N., Axen, G., van Wijk, J., Leary, R., GSA Connects, abstract 198-10
2021 Whole-lithosphere shear during oblique rifting. Lutz, B., Axen, G., van Wijk, J., Phillips, F., GSA Connects, abstract 70-5
2021 Examining drivers for intraplate extension: insights from the Reserve Graben in the Colorado Plateau- Rio Grande rift- Basin and Range transition zone, New Mexico. Martin, S., Axen, G., van Wijk, J., Koning, D., Heizler, M., Whitman, C., GSA Connects, abstract 70-3
2021 Reconstructing paleo-dynamic topography of the ocean basins. van Wijk, J., Ellis, N., Liu, L., Lowery, C., Owens, J., GSA Connects, abstract 55-10
2021 Late Cretaceous evolution of paleo-relief and lithospheric strength in the North American Cordillera from Monte Carlo-based flexural modeling. Saylor, J., Rudolph, K., Sundell, K., van Wijk, J., GSA Connects abstract 194-7
2020 Constraining dynamic topography of the ocean basins, J. van Wijk and N. Ellis, CGU Seminar Series, invited
2019 Focused degassing of stored continental deep carbon. Fischer, T.B., Muirhead, J.D., Foley,

S., Sano, Y., Lee, H., Takahata, N., Laizer, A., Kazimoto, E., Oliva, S., Ebinger, C.J., van \ Wijk, J.W., Werner, C.A., Aiuppa, A., Allard, P., Lopez, T., Dufek, J., and Marty, B.. AGU Fall meeting 2019, DI41B-02

2019 Living on the edge: the geodynamic evolution of craton margins. Currie, C., van Wijk, J., AGU Fall meeting 2019, DI12A-06

2019 Constraining dynamic topography in deep ocean basins. Ellis, N., van Wijk, J., AGU Fall meeting 2019, DI31A-03

2019 Landscape evolution modeling of endorheic-exorheic transitions in active continental rifts. Berry, M., van Wijk, J., Rinehart, A., Cadol, D., Garcia-Castellanos, D., Lin, Y., Coblentz, D., AGU Fall meeting 2019, EP31C-2288

2019 Tectonic-landscape evolution of the Anadarko Basin. Hobbs, N., van Wijk, J., Axen, G., AGU Fall meeting 2019, EP31C-2291

2019 New type of crust marks the continent-ocean transition in the northern Gulf of California and Salton Trough. van Wijk, J., Axen, J., Persaud, P., AGU Fall meeting 2019, T32B-05A

2019 Mantle contributions to magma and strain localization in rift zones. Ebinger, C., Reiss, M., Tiberi, C., Karanja, M., van Wijk, J., Currie, C., Roecker, S., Muirhead, J., Fischer, T., AGU Fall meeting 2019, T33F-0412

2019 Tectonic history of the Anadarko Basin. Hobbs, N., Axen, G., van Wijk, J., and Will, R., GSA Annual Meeting, Phoenix, AZ

2019 Interactions between a sub-horizontal subducting plate and the overlying continental lithosphere, Currie, C., Axen, G., van Wijk, J., and Liu, X., GSA Annual Meeting, Phoenix, AZ

2019 Hydrological fragmentation and genetic isolation of springs following tectonic extension in the southern Great Basin of NV and CA. Frisbee, M., Phillips, F., van Wijk, J., Axen, G., Wilson, J., Sada, D., Knott, J., Rademacher, L., Hedlund, B., GSA Annual Meeting, Phoenix, AZ

2019 Tectonic fragmentation of landscape drives species endemism in Death Valley springs. Lutz, B., Berry, M., Umek, J., Phillips, F., Sada, D., Knott, J., van Wijk, J., and Axen, G., GSA Annual Meeting, Phoenix, AZ

2019 Influence of tectonics on Mio-Pliocene drainage development in the Death Valley Region. Berry, M., Lutz, B., van Wijk, J., Phillips, F., and Axen, G., GSA Annual Meeting, Phoenix, AZ

2019 Grainsize dependent transport and deposition in a landscape evolution model. Emry, E., Han, K., Berry, M., van Wijk, J., Wilson, J., Leary, R., and Garcia-Castellanos, D., GSA Annual Meeting, Phoenix, AZ

2019 Delamination of ophiolite-interspersed crust of the Valley and Ridge Province, van Wijk, J., and Meyer, R., GSA Annual Meeting, Phoenix, AZ

2019 Continental transform faults, key elements for break-up, magmatism and margin Architecture. Lundin, E., Dore, A., van Wijk, J., Berry, M., Naliboff, J., and Coblentz, D., GSA Annual Meeting, Phoenix, AZ

2019 Subsidence history of the Rio Grande rift and implications for Rio Grande development, van Wijk, J., and Berry, M., GSA Annual Meeting, Phoenix, AZ, Invited

2019 Focused degassing of stored carbon. Fischer, T., Muirhead, J., Foley, S., Sano, Y., Lee, H., Takahata, N., Laizer, A., Kazimoto, E., Oliva, S., Ebinger, C., Van Wijk, J., Werner, C., Aiuppa, A., Allard, P., Lopez, T., Dufek, J. and Marty, B., Goldschmidt Conference, Barcelona, 2019

2019 Farallon flat-slab subduction and New Mexico geology.van Wijk, J., Axen, G., and Currie, C., New Mexico Geological Society Annual Spring meeting, Socorro, April 12 2019, Program with Abstracts

2018 Thin-reservoir CO_2-plume detection in Farnsworth Field,Texas, using fluid-substitution Models. Malikmammadov, E., van Wijk, J., AGU Fall Meeting, S51F-0394

2018 What tectonic record does the passage of a weak plume leave in a rift? van Wijk, J., Axen, G., AGU Fall Meeting, T12B-01

2018 Tectonic and climatic controls on endorheic-exorheic transitions in narrow continental rifts, Berry, M., van Wijk, J., Cadol, D., Emry, E., Garcia-Castellanos, D., AGU Fall Meeting, T12B-07

2018 Bulldozing of continental mantle lithosphere by flat-slab subduction: Implications for upper plate deformation and arc magmatism, Axen, G., van Wijk, J., Currie, C., AGU Fall Meeting, T21G-0310

2018 Mid-Cretaceous epeirogenic uplift of the Iranian Plateau revealed by white mica $^{40}Ar/^{39}Ar$ thermochronology, Malekpour, A., van Wijk, J., AGU Fall Meeting, T51F-0239

2018 Mantle transition zone beneath West Antarctica: Expanded mapping in previously unstudied region, Horton, A., Emry, E., Hanson, S., van Wijk, J., et al, AGU Fall Meeting, DI31C-0025

2018 Flat-slab bulldozing of basal continental mantle lithosphere: 2D Numerical models and application to the Laramide Orogeny. Axen, G., van Wijk, J., and Currie, C., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 13, 2018, Program with Abstracts, p. 14

2018 Extension rates impact on endorheic drainage longevity and regional sediment discharge. Berry, M., van Wijk, J., Cadol, D., Garica-Costellanos, D., and Emry, E., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 13, 2018, Program with Abstracts, p. 17

2018 Geomorphic evidence for episodic inflation above the Socorro Magma Body: Timescales and mechanisms related to surface uplift. Sion, B., Axen, G., Phillips, F., and van Wijk, J., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 13, 2018, Program with Abstracts, p. 71

2018 Fault core microstructures and Their Relationship to the Rate of Slip, West Salton Detachment Fault, Southern California. Soundy, K., Axen, G., Maher, K., and van Wijk, J., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 13, 2018, Program with Abstracts, p. 73

2018 What caused the Miocene-Pliocene unconformity in the Rio Grande rift? van Wijk, J., CTSP (Coupling of Tectonics and Surface Processes) Meeting, Boulder, CO

2018 What is the mechanism of upper-plate deformation as a result of flat-slab subduction? van Wijk, J., Currie, C., and Axen, G., GSA Annual Meeting

2018 Data-driven approach to observing the elusive erodibility coefficient, Berry, M., van Wijk, J., Lin, Y., Rinehart, A., van Wijk, J., GSA Annual Meeting

2018 Bulldozing of continental mantle lithosphere during flat-slab subduction, Axen, G., van Wijk, J., and Currie, C., Canadian Geophysical Union Annual Meeting

2018 Response of a continental rift zone to a passing weak plume: insights from the Rio Grande rift, van Wijk, J., Canadian Geophysical Union Annual Meeting

2017 Bulldozing of basal continental mantle lithosphere during Flat-Slab subduction, Axen, G., van Wijk, J., Currie, C., AGU Fall Meeting, T23F-0685

2017 Continental breakup by oblique extension: the Gulf of California, van Wijk, J., Axen, G., AGU Fall Meeting, T53B-01

2017 Tectonic mechanism for the Mid-Cretaceous – Early Paleogene intraplate magmatism from the Gulf of Mexico to Northwestern Canada, Liu, Y., Murphy, M., and van Wijk, J., AGU Fall Meeting, T31D-0677

2017 Rift initiation and evolution in the oblique Tusas-Abiquiu segment of the Rio Grande rift, North-central New Mexico, Liu, Y., Murphy, M., van Wijk, J., Andrea, R., GSA Meeting

2017 A model for Socorro Magma Body emplacement, van Wijk, J., Yao, S., and Axen, G., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 7, 2017, Program with Abstracts, p. 69.

2017 The Late Miocene- Early Pliocene Unconformity in the Rio Grande Rift**,** van Wijk, J., Axen, G., Koning, D., and Coblentz, D., New Mexico Geological Society Annual Spring Meeting, Macey Center, New Mexico Tech campus, Socorro, NM, April 7, 2017, Program with Abstracts, p. 70.

2017 Post-Breakup magmatism in the Northern and Western Gulf of Mexico, Y.A. Liu, M.A. Murphy, J.E. Snow, J. van Wijk, J.M. Cannon, AAPG ACE, Houston

2017 Tectonic-geomorphologic modeling of paleo-landscapes in rifts, J. van Wijk, M. Berry, E. Emry, AAPG ACE, Houston

2017 Geodynamic models of rifting, J. van Wijk and J. Naliboff, GeoPRISMS meeting, *invited keynote*

2017 How to form a microcontinent, J. van Wijk, G. Axen, R. Abera, GeoPRISMS meeting

2017 Geomorphometrics of the Rio Grande Rift: The role of tectonics, climate, and surface processes in the forming of the Rio Grande River, Berry, M., van Wijk, J., Emry, E., GeoPRISMS meeting

2017 Surface uplift history and geodynamics of the Socorro Magma Body (SMB), central Rio Grande Rift, G. Axen, J. van Wijk, S. Yao, GeoPRISMS meeting

2016 The geomorphometrics of the Rio Grande Rift: The role of tectonics, climate, and erosional processes in forming the Rio Grande river, M. Berry, J. van Wijk, E. Emry, G. Axen, D. Coblentz, AGU Fall Meeting

2016 Rio Grande Rift: History of tectonic opening and magmatism, J. van Wijk, G. Axen, and D. Koning, AGU Fall Meeting

2016 Rifting an Archaean Craton: Insights from Seismic Anisotropy Patterns in E. Africa, C. Ebinger, C. Tiberi, C. Currie, J. van Wijk, and J. Albaric, AGU Fall Meeting

2016 Timescales of Processes Related to the Socorro Magma Body (SMB), G. Axen, S. Yao, B. Sion, J. van Wijk, AGU Fall Meeting

2016 Automated Sensor Tuning for Seismic Event Detection at a Carbon Capture, Utilization, and Storage Site, Farnsworth Unit, Ochiltree County, Texas, A. Ziegler, R. Balch, H. Knox, J. van Wijk, T. Draelos, M. Peterson, AGU Fall Meeting

2016 1D Basin modeling: a useful technique for geologic carbon storage evaluation, E. Gragg, J. van Wijk, B. Balch, GSA Annual Meeting

2016 Active surface uplift over the Socorro Magma Body due to active inflation: thermos-mechanical model results, G. Axen, S. Yao, J. van Wijk, GSA Annual Meeting

2015 The stability of lithospheric steps: The Cordillera-craton transition in western North America, C. Currie, J. van Wijk, AGU Fall Meeting

2015 Downhole Microseismic Monitoring at a Carbon Capture, Utilization, and Storage Site, Farnsworth Unit, Ochiltree County, Texas, A. Ziegler, B. Balch, J. van Wijk, AGU Fall Meeting

2015 Origin, structure and extinction of pull-apart basins, J. van Wijk, G. Axen, R. Abera, AGU Fall Meeting

2015 Formation of continental fragments: the Tamayo Bank, Gulf of California, R. Abera, J. van Wijk, G. Axen, AGU Fall Meeting

2015 GPS measurements of deformation near the Rio Grande rift: Evidence for variations in the rate of extension, K. Murray, M. Murray, A. Sheehan, G. Axen, J. van Wijk, AGU Fall Meeting

2015 Hydrocarbon Accumulation of Shahejie Formation, Southern Western Depression, Liaohe Basin, China: An Integrated Study of Basin Modeling and Structural Restoration F. Meng; M.A. Murphy; J. van Wijk; J. Saylor, AAPG, Denver

2015 Expressions of *not* rift-related mantle processes in continental rifts, Gordon Research Conference, Invited

2015 Lower crustal seismicity in magmatic and amagmatic rift sectors: magma, volatiles, and faulting, Ebinger, C., J. Muirhead, D. Keir, J. Albaric, S. Roecker, H. Lee, J. van Wijk, Gordon Research Conference

2015 Timing, geochemistry, and distribution of magmatism in the Rio Grande rift, R. Abera, B. Sion, J. van Wijk, G. Axen, D. Koning, R. Chamberlin, E. Gragg, K. Murray, and J. Dobbins, New Mexico Geological Society Spring Meeting

2015 The active Rio Grande rift: summarizing our current understanding of present-day deformation from geodetic and stress measurements, K. Murray, J. Dobbins, M. Murray, J. van Wijk, and G. Axen, New Mexico Geological Society Spring Meeting

2015 Changes in Rio Grande Rift tectonism as inferred from subsidence curves, E. Gragg, D. Koning, J. van Wijk, G. Axen, B. Sion, R. Abera, K. Murray, J. Dobbins, M. Murray, and R. Chamberlin, New Mexico Geological Society Spring Meeting

2015 Evidence for dynamic uplift of the Somali Basin, J. van Wijk, CIDER, invited

2014 What formed the basement ridges on the Indian Plate? J. van Wijk, M. Murphy, A. Yin, R. Abera, N. Arres, AGU Fall meeting

2014 Post-Breakup Lithosphere Recycling below the U.S. East Coast: Evidence From Adakitic Rocks R. Meyer, J. van Wijk, AGU Fall meeting

2014 Basin Modeling study of the Uinta Basin, Utah, J. van Wijk, R. Raschilla, AAPG ACE, Houston

2014 Abrupt opening of the Rio Grande Rift ~20-10 Ma due to fragmentation of the Farallon slab: evidence from Apatite (U-Th)/He and Fission Track thermochronology, J. Ricketts, S. Kelley, K. Karlstrom, M. Donahue, J. van Wijk, NMGS Spring Meeting

2013 New constraints on the uplift history of the northern Colorado Plateau, J. van Wijk, R. Raschilla, AGU, San Francisco.

2013 Joint inversion of group velocity estimates and gravity data: evidence for a nascent rift in South Sudan? M. Maceira, J. van Wijk. R. Modrak, D. Coblentz, AGU, San Francisco.

2013 New constraints on Miocene uplift of the northern Colorado Plateau. J. van Wijk and R. Raschilla, GSA, Denver.

2013 Timescales of continental rifting. J. van Wijk, C. Ebinger, D. Keir, GSA Denver. Invited talk.

2013 Crustal models of pull-apart basins, J. van Wijk, R. Abera, R. Bialas, P. Mann, M. Murphy, GSA, Denver. Invited talk.

2013 Uplift history of rifted margins. EGU Vienna, invited talk

2013 Erosion of the Colorado Plateau mantle lithosphere. EGU Vienna, invited talk

2012 Small-scale convection under the western U.S.: implications for lithospheric deformation. Invited. J. van Wijk, K. Dueker, K. Karlstrom, AGU 2012 Fall Meeting, San Francisco.

2012 Gale: an open source modeling code for crust and lithosphere dynamics. J. van Wijk, C. Cooper, C. Currie, W. Landry, L. Moresi. AGU 2012 Fall Meeting, San Francisco.

2012 Control of initial heterogeneities and boundary conditions on the deformation partitioning of continental rifts: a comparison between Rio Grande rift and Main Ethiopian rift. C. Thieulot, M. Philippon, D. Sokoutis, J. van Wijk, E. Willingshofer, S. Cloetingh. AGU 2012 Fall Meeting, San Francisco.

2012 Numerical modeling of rupture in the southern Gulf of California. R. Abera and J. van Wijk. AGU 2012 Fall Meeting, San Francisco.

2012 Modeling lithosphere deformation with a particle-in cell finite element code, CIG mantle convection and lithosphere deformation workshop, Davis, CA

2012 Crust-mantle interactions of the Escalante Anomaly, Colorado Plateau, CIG crustal deformation Workshop, Golden, CO

2012 Structure, magmatism and rapid breakup of sheared margins, R. Abera, J. van Wijk, Magmatic rifting and active volcanism meeting, Addis Abeba, Ethiopia

2011 Evolution of pull-apart basins: insights from numerical models. J van Wijk, D. Adams, M. Murphy, AGU meeting San Francisco, invited talk

2011 Small-scale convection at the edge of the Colorado Plateau? J. van Wijk, Earthscope Meeting: the Earthscope Institute: the lithosphere-asthenosphere boundary, Portland, Oregon, invited talk

2011 Neogene and ongoing dynamic uplift of the Rocky Mountains due to mantle convection, and its surface manifestations, Karlstrom, K., D. Coblentz, W. Ouimet, E. Kirby, J. van Wijk, B. Schmandt, et al., New Mexico Geological Society Spring Meeting, NM Tech, Socorro

2010 Formation and stability of magmatic segments in the Main Ethiopian Rift (invited), J. van Wijk, E.K. Beutel, C.J. Ebinger, D. Keir Abstract T21G-03 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

2010 Grand, S.P., J. van Wijk, W.S. Baldridge, R.C. Aster, J.F. Ni, D. Wilson, Crust and mantle structure beneath the Colorado Plateau (invited), Abstract T14C-03 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.

2010 Formation and stability of magmatic rift segments, E. Beutel, J. van Wijk, C. Ebinger. MARGINS Meeting, San Antonio, TX

2009 Geodynamic models for the Aspen Anomaly, J. van Wijk and D. Coblentz, invited talk. Colorado Rockies Seismic Experiment (CREST) Meeting, Aspen, CO

2009 Small scale convection at the edge of the Colorado Plateau: Implications for topography, magmatism, and evolution of Proterozoic lithosphere. J. van Wijk, W.S. Baldridge, J. van Hunen, S. Goes, R. Aster, D. Coblentz, S. Grand, J. Ni. AGU Fall Meeting

2009 Joint inversion of surface wave and gravity data for three-dimensional tomographic imaging of East Africa, Modrak, R, Maceira, M., J. van Wijk, M.E. Pasyanos. AGU Fall Meeting

2009 Cenozoic magmatism in the southwestern U.S. and effects on the lithosphere, W.S. Baldridge, J.W. van Wijk. J.F. Ni. AGU Fall Meeting

2009 Dynamic uplift of the Colorado Rockies and western Colorado Plateau in the last 6 Ma driven by mantle flow and buoyancy: Evidence from the Colorado River region, K. Karlstrom, D. Coblentz, W. Ouimet, E. Kirby, J. van Wijk, et al., AGU Fall Meeting

2009 Asthenosphere flow and mantle lithosphere instabilities below continental rifts and rifted margins, J. van Wijk, invited talk for MARGINS RCL meeting, Charleston, SC

2009 Lithosphere detachment below rift margins: implications for depth dependent extension and recycling of lithosphere, J. van Wijk and J. van Hunen, EGU Vienna

2009 Mantle flow below continental rift zones, J. van Wijk and J. van Hunen, CIG meeting, Pasadena, CA

2008 Lithosphere-mantle interactions below continental rifts, J. van Wijk and J. van Hunen, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T33F-05.

2008 Maintanance of along-axis rift segmentation by stress concentration in magma intrusion zones, C. Ebinger, E. Beutel and J. van Wijk, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T43FA-1977.

2008 Hypothesis for epeirogenic uplift above the Jemez lineament: Is Neogene doming recorded by river profiles and terraces? S.W. Brown, K. Karlstrom, E. Kirby, W. Ouimet, M. Dillon, C. Cox, D. Newell, M. De Moore, J. van Wijk, D. Coblentz, T. Sower, D. Rose Coss, L. Crossey, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T11C-1894.

2008 Colorado River system of the Southwestern U.S.: analysis of the longitudinal profile, differential incision, and hypothesis for dynamic uplift and rapid incision in the last 6 Ma. K. Karlstrom, E. Kirby, S. Kelley, A. Aslan, W. Ouimet, D. Coblentz, J. van Wijk, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T11C-1896.

2008 The geodynamic origins of western U.S. topography: correlations and speculations. D. Coblentz, J. van Wijk, S. Phillips, K. Karlstrom and C. Chace, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T11C-1892.

2008 Lithosphere-mantle interactions below continental rifts, J. van Wijk and J. van Hunen, Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract T33F-05.

2008 Lithosphere-mantle interactions during rifting and continental breakup, J. van Wijk and J. van Hunen, 3rd Geomod Conference, Florence, Italy
2008 Late Cenozoic mantle upwelling at the western and southern margins of the Colorado Plateau? S. Baldridge, J. van Wijk, S. Grand, et al., Geological Society of America meeting, Houston, TX
2008 Small scale convection during continental rifting: evidence from the Rio Grande rift, J. van Wijk, J. van Hunen and S. Goes, SSA Meeting, Santa Fe, NM
2008 Mantle-lithosphere interactions in continental rift zones, J. van Wijk and J. van Hunen, EGU Meeting, Vienna
2007 Numerical models of lithosphere-mantle interaction at continental rift zones, J. van Hunen and J. van Wijk, AGU Fall Meeting
2007 Formation of the Rio Grande rift and upper mantle seismic wave velocity anomaly, J. van Wijk, J. van Hunen and S. Goes, AGU Fall Meeting
2007 Mechanisms for topographic uplift for the Southern Rocky Mountains, D. Coblentz and J. van Wijk, AGU Fall meeting
2007 Edge-driven convection along the Colorado Plateau-Great Basin transition: implications for the morphology and dynamics of the Plateau, J. Ni, J. van Wijk, R. Aster, et al., AGU Fall Meeting
2007 Mantle flow beneath continental rift zones; application to the Rio Grande rift, van Wijk, J., van Hunen, J., and S. Goes, Penrose conference “Extending a continent”, Greece
2007 Recent results from LA RISTRA: the Colorado Plateau and its transition zones, R. Aster and J. van Wijk, Western US Geodynamics workshop, Santa Fe, NM
2007 The Aspen Anomaly: speculation on topography-mantle relationships, D. Coblentz and J. van Wijk, Western US Geodynamics workshop, Santa Fe, NM
2007 Numerical models of oblique rifting: application to the Gulf of California, van Wijk, J.W., AGU Joint Assembly Acapulco, Mexico
2007 Control of tectonic inheritance on the evolution and structure of the western branch of the East African Rift system, G. Corti, J. van Wijk, S. Cloetingh and C. Morley, Riunione annuale Gruppo Italiano Geologia strutturale, Urbino, Italy
2007 Numerical modeling of West Antarctic Rift System extension and Transantarctic Mountains uplift, J. van Wijk and J. Lawrence, EGU Vienna
2007 Mantle flow beneath continental rift zones, J. van Wijk and J. van Hunen, EGU Vienna
2007 Formation of the North Atlantic Igneous Province: what is the role of the Iceland mantle anomaly? R. Meyer, J.W. van Wijk, and L. Gernigon, EGU Vienna
2007 Influences on the Topographic Character of the Western U.S.: Speculations on the Role of Inherited Structures, Plate Motion, and Upper Mantle Properties, D. Coblentz, J. van Wijk and K. Karlstrom, EarthScope National Meeting
2006 Basin migration: lithospheric vs. crustal controls, T. Mauduit, J. van Wijk, F. Beekman, S. Cloetingh, D. Sokoutis, AGU Fall, San Francisco
2006 Lower crustal flow: application to the Basin and Range province, J. van Wijk and C. Lewis, AGU Fall, San Francisco
2006 Tectonic inheritance, continental rifts and the transition to segmented seafloor spreading: results from analogue and numerical models, J. van Wijk and C. Corti, AGU Fall, San Francisco
2006 Effect of lithospheric strength on lower crustal flow, J. van Wijk, Western U.S. Geodynamics workshop, Aspen, CO
2006 Numerical and analogue models of oblique extension: application to the East African Rift, van Wijk, J.W. and Corti, G., MYRES meeting, Italy.
2006 Geodynamic models of lithosphere deformation, van Wijk, J.W., MYRES meeting, Italy, invited.

2006 Gravity driven deformation on passive margins; is analogue modeling the ultimate tool? Mauduit, T. and van Wijk, J.W., 8th Dutch Earth Science Conference (NAC VIII), Veldhoven, The Netherlands.
2006 Mantle flow beneath rift zones, van Wijk, J.W., Upper Mantle Imagin Workshop, WHOI.
2006 North Atlantic Igneous Province formation: An interdisciplinary geophysical and geochemical review, Meyer, R., van Wijk, J., and L. Gernigon, EGU Vienna.
2006 Oblique extension of slow-spreading ridges, van Wijk, J.W. and D.K. Blackman, EGU Vienna.
2006 Modeling the architecture of the East African Rift System, Corti, G. and van Wijk, J.W., EGU Vienna.
2005 Depth-dependent extension at passive rifted margins, van Wijk, J.W. and N.W. Driscoll, AGU Fall San Francisco.
2005 Formation of volcanic rifted margins: influence of the pre-rift lithosphere architecture, van Wijk, J.W. AGU Chapman Conference on the Great Plume Debate, Fort William, Scotland. Invited lecture.
2005 Using Tekton to study 3-D aspects of continental lithosphere extension, van Wijk, J.W. and D.K. Blackman. (Poster) Workshop on community finite element models for fault systems and tectonic studies, Los Alamos National Laboratory, Los Alamos, NM.
2005 3-D aspects of lithosphere extension, van Wijk, J.W. Workshop on Geodynamic modeling of tectonic processes, Breckenridge, CO. Invited lecture.
2005 Deformation of young oceanic lithosphere, van Wijk, J.W. and D.K. Blackman. Workshop on Geodynamic modeling of tectonic processes, Breckenridge, CO.
2004 Deformation of oceanic lithosphere near slow spreading ridge discontinuities, van Wijk, J.W. and D.K. Blackman, AGU 04 San Francisco.
2004 Discontinuous continental rift dynamics and continental core complex formation, van Wijk, J.W. and Blackman, D.K., EGU04-A-05305, EGU, Nice, France.
2004 Interaction between crustal deformation and mantle dynamics at slow-spreading ridge discontinuities: formation of oceanic core complexes, van Wijk, J.W. and D.K. Blackman, EGU04-A-05301, EGU, Nice, France.
2002 Basin migration by slow lithospheric extension, van Wijk, J.W. and S.A.P.L. Cloetingh, EGS, Nice, France.
2002 Pre-breakup extensional evolution of the Vøring margin: a modeling study, van Wijk, J.W. and S.A.P.L. Cloetingh, EGS, Nice, France.
2002 Influence of the inherited crustal structure on rifting and passive margin formation, van Wijk, J.W. and S.A.P.L. Cloetingh, EGS, Nice, France.
2001 Melt generation at volcanic continental margins; no need for a mantle plume? van Wijk, J.W., R.S. Huismans, M. Ter Voorde and S.A.P.L. Cloetingh, EGS, Nice, France.
2001 Thermomechanical modeling of intracratonic rifting and magmatism, a case study of the Oslo Graben, Pascal, C., J.W. van Wijk, G.R. Davies and S.A.P.L. Cloetingh, EGS, Nice, France.
2000 Melt generation at volcanic continental margins; no need for a mantle plume? van Wijk, J.W., R.S. Huismans, M. Ter Voorde and S.A.P.L. Cloetingh, 5th Dutch Earth Science Conference, Veldhoven, The Netherlands.
1999 Evolution of the volcanic Vøring margin: controlling factors on melt generation during continental breakup, van Wijk, J.W. and S.A.P.L. Cloetingh, EGS, The Hague, The Netherlands.
1999 Mechanisms for ocean basin formation and volcanic rifted margin evolution in the Northern Atlantic Domain: an integrated approach, Hendriks, B., Y.D. Huigen, R. Van Der Meer, G.R. Murrell, J.W. van Wijk, P.A.M. Andriessen and S.A.P.L. Cloetingh, EGS, The Hague, The Netherlands.

1998 3-D thermal modeling of the southern California upper mantle; the tectonic history of microplates, van Wijk, J.W. and R. Govers, EGS, Nice, France.

1998 Mechanisms for ocean basin formation and volcanic rifted margin evolution in the Northern Atlantic Domain: an integrated approach, Hendriks, B., Y.D. Huigen, R. Van Der Meer, G.R. Murrell, J.W. van Wijk, P.A.M. Andriessen and S.A.P.L. Cloetingh, 4th Dutch Earth Science Conference (NAC IV), Veldhoven, The Netherlands.

1998 3-D thermal modeling of the southern California upper mantle; the tectonic history of microplates, van Wijk, J.W. and R. Govers, 4th Dutch Earth Science Conference (NAC IV), Veldhoven, The Netherlands.

1997 Subduction of ridges and very young lithosphere: modeling derived constraints on its occurrence during the Cenozoic in the Northeast Pacific, Govers, R., K.P. Furlong, and J. van Wijk, AGU Chapman conference on the history and dynamics of global plate motions, Marshall, California, June 17-22.