

RESPECTING GOD’S WORD, GOD’S WORLD, AND PEOPLE IN GOD’S IMAGE

Geology research motivated by the Genesis record

REFERENCES

- Title
 - Respecting God’s Word, God’s World, and People in God’s Image — Ben Clausen. IN: *Design and Catastrophe: 51 Scientists Explore the Evidence in Nature*, L. James Gibson, Ronny Nalin, and Humberto M. Rasi, eds. (Berrien Springs, MI: Andrews University Press, 2021), p.180-183.
- Research
 - Adventist Schools Called to Become Global Scientific Leaders — Andrew McChesney. *Adventist Review* (18 Sept 2014), p.8-9
 - The people of the world are worshipping false gods. They are to be turned from their false worship, not by hearing denunciation of their idols, but by beholding something better. God's goodness is to be made known. “Ye are My witnesses, saith the Lord, that I am God.” Isaiah 43:12.
- Approach – Scripture
 - For in six days the Lord made heaven and earth, the sea, and all that in them is, and rested the seventh day: wherefore the Lord blessed the sabbath day, and hallowed it. – Ex 20:11
 - “I cannot persuade myself that a beneficent and omnipotent God would have designedly created the Ichneumonidae with the express intention of their feeding within the living bodies of Caterpillars, or that a cat should play with mice.” — Charles Darwin letter to Asa Gray on May 22, 1860
 - And when he had opened the fifth seal, I saw under the altar the souls of them that were slain for the word of God, and for the testimony which they held: And they cried with a loud voice, saying, How long, O Lord, holy and true, dost thou not judge and avenge our blood on them that dwell on the earth? – Rev 6: 9-10
- Approach – Harmony
 - Though he slay me, yet will I trust in him: but I will maintain [margin: prove, or, argue] mine own ways before him. – Job 13:15
 - Then Job answered the Lord, and said, Behold, I am vile; what shall I answer thee? I will lay mine hand upon my mouth – Job 40:3-4
 - Then Job answered the Lord, and said, I know that thou canst do every thing ... I uttered that I understood not; thing to wonderful for me, which I knew not. – Job 42:1-4
 - Job Confessing his Presumption to God who Answers from the Whirlwind / by William Blake
 - commentary --- <https://smecsundaymorningforum.org/2015/10/14/job-confessing-art-for-proper-24b/>
 - Illustrations from the Book of Job
 - <https://oll.libertyfund.org/title/norton-blake-s-illustrations-of-the-book-of-job>
 - https://en.wikipedia.org/wiki/William_Blake%27s_Illustrations_of_the_Book_of_Job
 - “my ways higher than your ways” (Isa 55:8-11)
 - “many things to say ... but cannot bear them now” (Jn 16:12)
 - Paul heard unspeakable words in paradise (2Cor 12:4)
 - Now we know only in part and eventually even that knowledge will vanish away (1Cor 13:8-9).
 - infinite ideas not contained in finite vehicles of thought (1SM22)
 - 1000 ways ... “of which we know nothing” (DA330)
 - mysteries because of “our own weakness or ignorance” (Ed171)
 - His creative power is “incomprehensible” (PP113)
- Approach – People
 - We draw people to Christ not by loudly discrediting what they believe, by telling them how wrong they are and how right we are, but by showing them a light that is so lovely that they want with all their hearts to know the source of it. — *Walking on Water: Reflections on Faith and Art*, Madeleine L’Engle (Colorado Springs, CO: WaterBrook Pres, 2004), p.140-141
- Message
 - Making Friends in the Scientific Community — Ben Clausen. *Adventist Review* (May 2021), p.24-27.
 - <https://adventistreview.org/magazine-article/2105-24/>

GEOLOGY RESEARCH – INDEX

- Pacific / North America
 - Popular presentations – | United States | North America |
 - Technical documents – | Pacific, Cenozoic | North America, Mesozoic |
- South America
 - Popular presentations – | South America |
 - Technical documents – | South America, Cenozoic | South America, Mesozoic |
- Europe / Africa / Asia
 - Popular presentations – | Europe & Middle East | Africa | Asia |
 - Technical documents – | Africa, Cenozoic | Asia, Mesozoic | Africa, Precambrian |
- General
 - Technical documents – | Mesozoic | large data analysis | nuclear physics |

United States – Popular

- Washington/Oregon
 - Field Trip BRISCO — 1997
- California
 - PowerPoint Outline — 2008-07-18 = 37 slides
 - Field Guide — 2016-04-01 = 40p~ @ Cordilleran section GSA
- Arizona
 - Field Trip Summary — 2017-06-13 = 2p @ Grand Canyon
- Utah
 - Field Trip BRISCO — 1994
 - Field Guide — 2006-08-20ff = 68p
 - Field Guide — 2009-07-12ff = 122p
 - Website — 2006 & 2009
 - Field Trip BRISCO — 1993 | 1995
- New Mexico
 - PowerPoint Outline — 2009-01-11 = 35 slides @ Albuquerque
 - Field Trip Summary — 2009-01-11 = 1p @ Albuquerque
 - Field Trip BRISCO — 1999 @ Carlsbad Caverns
- North Dakota
 - PowerPoint Outline — 2008-06-05 = 21 slides
- Nebraska
 - Field Trip BRISCO — 1996
- Indiana/Ohio/Kentucky
 - PowerPoint Outline — 2013-08-05 = 3 slides @ Cincinnati
- Maryland/Virginia
 - PowerPoint Outline — 2010-10-30 = 16 slides @ Shenandoah Mtns
 - Field Trip Summary — 2010-10-31 = 1p @ Shenandoah Mtns
- OCEANIA - Hawaii
 - Proposal — 2018-09-24 ... w/ Jamey Cooper

North America – Popular

- Canada
 - PowerPoint Outline — 2012-03-29 = 7 slides @ Quebec
 - Field Guide — 2011-07-28ff = 202p @ Banff area
 - Website — 2011-07 = @ Banff area
- Mexico
 - PowerPoint Outline — 2014-09-30 = 27 slides
 - Proposal — 2018-03-18 ... w/ Luciano González
- Cuba
 - PowerPoint Outline — 2015-03-06 = 43 slides
- Jamaica
 - PowerPoint Outline — 2013-11-13 = 16 slides
- Puerto Rico
 - PowerPoint Outline — 2008-04-04 = 9 slides
- Trinidad
 - PowerPoint Outline — 2013-11-16 = 16 slides

Pacific, Cenozoic – Technical

- ABSTRACT: Using Multivariate Analyses for an Efficient Understanding of Hawaiian Islands Geochemical Trends — J. N. Cooper and B. L. Clausen. Virtual PowerPoint presented at Goldschmidt Conference, doi: 10.46427/gold2020.475 (23 Jun 2020).
 - <https://goldschmidtabstracts.info/abstracts/abstractView?doi=10.46427/gold2020.475>
- PROPOSAL: Using Historic, Catastrophic Volcanism in Hawaii in Understanding Geological Magmatic Activity Elsewhere / Ben Clausen, Jamey Cooper, [Dan O'Hare] / October 2018 / Faith and Science Council

North America, Mesozoic – Technical

- PAPER: Arc magmatism, tectonism, and tempos in Mesozoic arc crustal sections of the Peninsular and Transverse Ranges, southern California, USA — Scott Paterson, Ben Clausen, Vali Memeti, and Joshua J. Schwartz. IN: Brian Kraatz, Jade Star Lackey, and Joan E. Fryxell, eds., *Field Excursions in Southern California: Field Guides to the 2016 GSA Cordilleran Section Meeting*: Geological Society of America Field Guide 45, p.81-186, doi: 10.1130/2017.0045(04) (2017).
 - <https://pubs.geoscienceworld.org/gsa/books/book/1986/chapter/11900385/Arc-magmatism-tectonism-and-tempos-in-Mesozoic-arc>
- PAPER: Interpreting the Geochemistry of Southern California Granitic Rocks using Machine Learning — Germán H. Alférez, Jocksan Rodríguez, Benjamin Clausen, and Lance Pompe. IN: Hamid R. Arabnia, David de la Fuente, Roger Dziegiel, Elena B. Kozerenko, Peter M. LaMonica, Raymond A. Liuzzi, Jose A. Olivás, and Todd Waskiewicz, eds., *Proceedings of the 2015 International Conference on Artificial Intelligence (ICAI'15)*, v.2, p.592-598, CSREA Press, ISBN: 1-60132-405-7 (2015).
 - <http://worldcomp-proceedings.com/proc/p2015/ICA2786.pdf>
- PAPER: Low-initial-Sr felsic plutons of the northwestern Peninsular Ranges batholith, southern California, and the role of mafic-felsic magma mixing in continental crust formation — Benjamin L. Clausen, Douglas M. Morton, Ronald W. Kistler, and Cin-Ty A. Lee. IN: Douglas M. Morton and Fred K. Miller, eds., *Peninsular Ranges Batholith, Baja California and Southern California*: Geological Society of America Memoir 211, p.317-344, doi: 10.1130/2014.1211(08) (2014).
 - <https://static1.squarespace.com/static/54b9bb6fe4b07b4a7d145b55/t/54bab986e4b0567044bc601b/1421523334099/97-ClausenPRB.pdf>
- PAPER: Framework and petrogenesis of the northern Peninsular Ranges Batholith — D. M. Morton, F. K. Miller, R. W. Kistler, W. R. Premo, C.-T. A. Lee, V. E. Langenheim, J. L. Wooden, L. W. Snee, B. L. Clausen, and P. Cossette. IN: Douglas M. Morton and Fred K. Miller, eds., *Peninsular Ranges Batholith, Baja California and Southern California*: Geological Society of America Memoir 211, p.61-143, doi: 10.1130/2014.1211(03) (2014).
 - <https://static1.squarespace.com/static/54b9bb6fe4b07b4a7d145b55/t/54baba0ae4b0567044bc62b3/1421523466418/96-MortonPRB.pdf>
- PROPOSAL: Box Springs research / Ben Clausen / February 2021 / Geoscience Research Institute
- PROPOSAL: Developing an Understanding of Mexican Geology within a Seventh-day Adventist Context / Ben Clausen, Luciano Uriel González Olivares / April 2018 / Faith and Science Council

South America – Popular

- Colombia
 - PowerPoint Outline — 2013-02-08 = 58 slides
- Peru
 - PowerPoint Outline — 2016-09-28 = 11 slides @ Tarapoto
 - PowerPoint Outline — 2017-06-28 = 7 (research) and 43 (Peru) slides @ Alps
 - PowerPoint Outline — 2017-11-28 = 29 slides on research @ WWU
 - Field Guide — 2014-07-07ff = 44p by Ana Martínez
 - Field Guide — 2015-08-01ff = 40p by Luciano González
 - Field Guide — 2018-06-18ff = 105p
 - Proposals — 2017-09-18... w/ Lance Pompe
 - Website — 2018jun-jul
- Bolivia
 - PowerPoint Outline — 2019-08-03 = 117 slides @ Cochabamba
- Chile
 - PowerPoint Outline — 2014-01-08 = 29 slides @ UnACh

South America, Cenozoic – Technical

- EXTENDED ABSTRACT: Geocronología, Morfología, y Procedencia de Circones Detríticos en Sedimentos del Plioceno, Cuenca Pisco, Perú — Mateo **Ospino**, Ana **Martínez**, Lance **Pompe**, Roberto E. Biaggi, Ben **Clausen**, Kevin Nick, Orlando **Poma**, y Fabian Figueroa. XX Congreso Peruano de Geología, Sociedad Geológica del Perú (12 Oct 2021, 12:40pm PDT, by Zoom & pre-recorded)
- PROPOSAL: Using the SDA Galápagos Study Center to study worldwide plate tectonic issues related to time and water / Marcos Natal de Souza Costa / April 2021 / Faith and Science Council

South America, Mesozoic – Technical

- PAPER: Source contamination, crustal assimilation, and magmatic recycling during three flare-up events in the Cretaceous Peruvian Coastal Batholith: An example from the Ica-Pisco plutons — Ana María **Martínez** Ardila, Benjamin L. **Clausen**, Vali Memeti, and Scott R. Paterson. *Journal of South American Earth Sciences*, v.95, 29p, doi: 10.1016/j.jsames.2019.102300 (Nov 2019).
 - <https://www.sciencedirect.com/science/article/pii/S0895981119301087>
 - Appendices --- <https://data.mendeley.com/datasets/x2nrbsnf7w/1>
- PAPER: Using Stable Isotopes to Better Understand the Petrologic and Hydrothermal Evolution of the Cretaceous Linga Complex of the Peruvian Coastal Batholith, Near Ica — Luciano U. **González** Olivares, Benjamin L. **Clausen**, Gregory J. Holk, and Orlando **Poma**. *Boletín de la Sociedad Geológica del Perú*, v.113, p.12-25 (2020).
 - <http://bclausen.net/geo/Gonzalez2020SGPBol=stable-isotopes.pdf>
- PAPER: Evolución Temporal por Convección Natural de Magma Basáltico no Newtoniano ... scroll down to "Descarga Memorias" [Temporal Evolution by Natural Convection of Non-Newtonian Basaltic Magma] — Johan Gonzalez, Carlos **Zambra**, Luciano **González**, and Benjamin L. **Clausen**. *Cuadernos de Mecánica Computacional* [Journal of the "Sociedad Chilena de Mecánica Computacional"], v.18, n.1, p.122-131 (Oct 2019).
 - <https://www.scmc.cl/jornadas2019>
- PAPER: Temporal Evolution of Cooling by Natural Convection in an Enclosed Magma Chamber — Carlos Enrique **Zambra**, Luciano **González**-Olivares, Johan González, and Benjamin **Clausen**. *Processes*, 10(1), 108, 18p (published 5 Jan 2022)
 - <https://www.mdpi.com/2227-9717/10/1/108>
- ABSTRACT: Variation in Age and Geochemistry of the Peruvian Coastal Batholith from South to North — Raquel **Bendita**, Ana María **Martínez** Ardila, Benjamin L. **Clausen**, Lance **Pompe**, and Gregory J. Holk. *Geol. Soc. Amer. Abstracts with Programs*, v.53, n.4, doi: 10.1130/abs/2021CD-363092 (12 May 2021, 11:45am)

- ABSTRACT: Zircon Ages Reveal Unexpected Older Flare-Up in the Peruvian Coastal Batholith — Alex **Voos**, Ana María **Martínez** Ardila, and Ben **Clausen**. *Geol. Soc. Amer. Abstracts with Programs*, v.53, n.4, doi: 10.1130/abs/2021CD-363021 (12 May 2021, 12:05pm)
- ABSTRACT: A Preliminary Heat Flow Model for Cooling a Batholith near Ica, Peru — Luciano Uriel **González**, Benjamin L. **Clausen**, Juan Carlos Molano, Ana M. **Martínez**, and Orlando **Poma**. Abstract V33B-4853 presented at Fall Meeting, American Geophysical Union, San Francisco, CA (15-19 Dec 2014).
- ABSTRACT: Magma sources and mixing for the Coastal Batholith in southern Peru: insights from new elemental and isotopic data and from comparison with California batholithic rocks — Benjamin L. **Clausen**, Ana M. **Martínez**, Luciano U. **González**, Orlando **Poma**, Scott R. Paterson, and Adam Ianno. Abstract V51C-2667 presented at Fall Meeting, American Geophysical Union, San Francisco, CA (9-13 Dec 2013).
- ABSTRACT: The Coastal Batholith of Peru: Insights from Stable Isotopes — Gregory J. Holk, Benjamin L. **Clausen**, Luciano **González**, Orlando **Poma** Porras, Julia Chen, Joseph Guitierrez, Joseph Landeros, and Riley Lavinger. Oral presentation 78-2, Phoenix, AZ, *Geol. Soc. Amer. Abstracts with Programs*, v.51, n.5, doi: 10.1130/abs/2019AM-334100 (23 Sep 2019).
- ABSTRACT: The Petrologic and Hydrothermal Evolution of the Coastal Batholith of Peru: Insights from Oxygen Isotopes — G. J. Holk, B. **Clausen**, L. U. **González**, J. Chen, J. Guitierrez, R. Lavinger, and O. **Poma**. Oral presentation at the Southern California Academy of Sciences, 112th annual meeting, California State University, Northridge, p.11, 24-25 (3 May 2019).
- ABSTRACT: Stable and radiogenic isotopes and new U-Pb zircon ages in relation to magmatic flare-ups in the Peruvian Coastal Batholith and central Peru — Lance **Pompe**, Ben **Clausen**, Greg Holk, Luciano **González**, and Julia Chen. Abstract presented at 11th South American Symposium on Isotope Geology, Cochabamba, Bolivia, p.109 (22-25 Jul 2018).
- ABSTRACT: Mixed Magma Sources for the Southern Arequipa Segment of the Peruvian Coastal Batholith: Evidence from Stable Isotopes — Julia Chen, Gregory J. Holk, and Benjamin L. **Clausen**. *Geol. Soc. Amer. Abstracts with Programs*, v.49, n.6, doi: 10.1130/abs/2017AM-301924 (24 Oct 2017).
 - <https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/301924>
- ABSTRACT: New U-Pb and Rb-Sr Ages for the Northern Arequipa Segment of the Peruvian Coastal Batholith — Benjamin L. **Clausen** and Ana Maria **Martínez**. *Geol. Soc. Amer. Abstracts with Programs*, v.48, n.4, doi: 10.1130/abs/2016CD-274667 (5 Apr 2016).
 - <https://gsa.confex.com/gsa/2016CD/webprogram/Paper274667.html>
- ABSTRACT: Episodic Continental Arc Magmatism in the Peruvian Andes from U-Pb Zircon Geochronology — Lance R. **Pompe**, Benjamin L. **Clausen**, Scott R. Paterson, Kevin E. Nick, Ana M. **Martínez**, and Orlando **Poma** Porras. *Geol. Soc. Amer. Abstracts with Programs*, v.49, n.6, doi: 10.1130/abs/2017AM-304862 (24 Oct 2017).
 - <https://gsa.confex.com/gsa/2017AM/meetingapp.cgi/Paper/304862>
- ABSTRACT: Oxygen and Hydrogen Isotope Values for Unaltered and Hydrothermally Altered Samples from the Cretaceous Linga Plutonic Complex of the Peruvian Coastal Batholith near Ica — Luciano **González**, Gregory Holk, Benjamin **Clausen**, and Orlando **Poma** Porras. Abstract V53C-3140 presented at Fall Meeting, American Geophysical Union, San Francisco, CA (14-18 Dec 2015, 18th).
- ABSTRACT: Magmatic Recycling During Construction of a Batholith — Ana Maria **Martínez**, Benjamin L. **Clausen**, Vali Memeti, and Scott R. Paterson. *Geol. Soc. Amer. Abstracts with Programs*, v.47, n.7, p.580 (3 Nov 2015).
 - <https://gsa.confex.com/gsa/2015AM/webprogram/Paper266270.html>
- DISSERTATION: Conduction Plus Convection Heat Flow Modeling for the Linga Complex, Peruvian Coastal Batholith — Luciano Uriel **González** Olivares, September 2017, PhD dissertation, 248p (committee chair).
 - <https://scholarsrepository.llu.edu/etd/458/>
- PROPOSAL: Peru – Using volcanic-plutonic relations to understand catastrophic magmatism and rates for crystallization/cooling / Ana **Martínez**, Ben **Clausen**, Alex **Voos** / April 2022 / Faith and Science Council
- PROPOSAL: Hydrothermal alteration in a Rio Pisco, Peru pluton: Implications for changes in cooling rates due to fluid flow / Ana **Martínez**, Ben **Clausen**, Luiz Eduardo **Pereira** / October 2021 / Faith and Science Council
- PROPOSAL: Peru – Understanding how radiogenic and stable isotopes can be modified in a magmatic system within a Seventh-day Adventist worldview / Ana **Martínez**, Ben **Clausen**, Raquel **Bendita** / April 2021 / Faith and Science Council
- PROPOSAL: Internship: Sample preparation, petrography and analysis of chemical data from Peru granitic rocks within a Seventh-day Adventist Paradigm / Ana **Martínez**, Alex **Voos** / April 2020 / Faith and Science Council
- PROPSAL: Internship: Sample preparation and analysis of chemical data from Peruvian granitic rocks within a Seventh-day Adventist paradigm / Ana **Martínez**, Maria Alejandra **Roman** Medrano / October 2019 / Faith and Science Council
- PROPOSAL: Determining the speed of fluid and temperature flow in a magma chamber: Validating computer models against laboratory simulations / Ben **Clausen**, Carlos Enrique **Zambra** Sazo / April 2019 / Faith and Science Council

Europe & Middle East – Popular

- "Scandinavia", esp. Norway/Finland/Russia
 - PowerPoint Outline — 2016-12-30 = 48 slides @ Sweden
- Italy
 - PowerPoint Outline — 2009-06-07 = 52 slides
- Spain
 - Field Trip Summary — 2019-07-14 = 1p @ Cofrentes
 - Field Trip PowerPoint — 2019-07-11 = 18 slides @ Cofrentes
 - PowerPoint Outline — 2019-07-11 = 177 slides @ Sagunto
- Israel/Jordan
 - Written Outline — 2012-04-20 = 14p @ Jerusalem Bible Conference
 - PowerPoint Outline — 2012-06-19 = 40 slides @ Jerusalem Bible Conference
 - PowerPoint Outline — 2018-08-07 = 33 slides, for teaching rocks @ Chicago Teachers' Conference

Africa – Popular

- Kenya
 - PowerPoint Outline — 2009-11-11 = 8 (Africa), 17 (southern Africa), and 24 (Kenya) of 49 slides
 - PowerPoint Outline — 2009-12-07 = 27 slides @ Lake Magadi
 - Field Trip Summary — 2009-11-12 = 8p
- Uganda
 - PowerPoint Outline — 2009-11-17 = 7 slides
- Tanzania
 - PowerPoint Outline — 2018-12-28 = 43 slides
- Nigeria (& Ghana)
 - PowerPoint Outline — 2013-06-12 = 10 slides @ Babcock University
- southern Africa
 - PowerPoint Outline — 2011-04-27 = 49 slides @ Namibia, with 10 mostly of east Africa
 - PowerPoint Outline — 2015-09-24 = 67 slides @ Botswana, Zimbabwe, Zambia
- Zimbabwe
 - Field Trip Summary — 2015-09-17 = 1p @ Bulawayo & Matopos
- Zambia
 - PowerPoint Outline — 2018-05-10 = 20 slides, research intro
 - Field Trip PowerPoint — 2015-09-25 = 18 slides
 - Proposal — 2018-03-18
 - Website — 2018-06

Asia – Popular

- Korea
 - PowerPoint Outline — 2015-11-05 = 27 slides
 - Field Trip PowerPoint — 2015-11-06 = 18 slides @ Seoul, Sahmyook HS
- southeast Asia
 - PowerPoint Outline — 2017-05-16 = 127 slides @ Bali
- Philippines
 - PowerPoint Outline — 2007-04-26 = 24 slides
- India
 - Written Outline — 2008-09-02 = 1p
 - PowerPoint Outline — 2008-09-18 = 32 slides @ Spicer College
- Thailand
 - Written Outline — 2012-02-03 = 4p
 - PowerPoint Outline — 2012-01-25 = 25 slides @ APIU
- Myanmar
 - PowerPoint Outline — 2016-08-26 = 43 slides @ MUAS
- Bangladesh
 - PowerPoint Outline — 2016-08-30 = 15 slides @ BASC
- Indonesia
 - PowerPoint Outline — 2016-09-01 = 23 slides @ UNAI
 - PowerPoint Outline — 2017-05-16 = 33 slides @ Bali
 - Field Trip Summary — 2017-05-17 = 1p @ Bali

Africa, Cenozoic – Technical

- PAPER: Regional bedrock geochemistry associated with podocinosis evaluated by multivariate analysis — Jamey N. Cooper, Allen M. Cooper, Benjamin L. Clausen, and Kevin E. Nick. *Environmental Geochemistry and Health*, doi: 10.1007/s10653-018-0158-0 (2018).
 - <https://link.springer.com/article/10.1007/s10653-018-0158-0>
- PROPOSAL: Research Mentoring Field Work for Africa Science Students to Study Tanzania Geology within a Seventh-day Adventist Paradigm / Ben Clausen, Dominic Ombati / October 2019 / Faith and Science Council

Asia, Mesozoic – Technical

- PAPER: Westward migration of high-magma addition rate events in SE Tibet — Ren-Zhi Zhu, Shao-Cong Lai, Scott R. Paterson, Peter Luffi, Bo Zhang, and Lance R. Pompe. *Tectonophysics*, v.830, (May 2022)
 - <https://www.sciencedirect.com/science/article/pii/S0040195122001020>

Africa, Precambrian – Technical

- PAPER: Lamprophyres in the Munal Hills, Southern Zambia: Evidence of Pan African Ultrapotassic Magmatism in the Zambezi Belt — Osbert Sikazwe, David Holwell, Daryl E. Blanks, Lance Pompe, Bishal Upreti, Benjamin Clausen, Ahmed Ahmed, and Sakuwaha Kabangu. *Journal of African Earth Sciences* (submitted 2021)
- ABSTRACT: Tectonomagmatic histories of western South America and southern Africa — Lance Pompe, Benjamin L. Clausen, Scott R. Paterson, Shepande Kalapula, Bishal Nath Upreti, Osbert Sikazwe, and Orlando Alan Poma Porras. Abstract V33D-0266 presented at Fall Meeting, American Geophysical Union, Washington, DC (10-14 Dec 2018, 12th).
 - <https://agu.confex.com/agu/fm18/meetingapp.cgi/Paper/370704>
- ABSTRACT: Petrography and Geochemistry of the Munal Hills Lamprophyre Dyke (?), Chikankata District, Southern Province, Zambia — Osbert N. Sikazwe, Lance R. Pompe, Bishal N. Upreti, Benjamin L. Clausen, Ahmed H. Ahmed, Sakuwaha Kabangu, Scott R. Paterson, and Shepande Kalapula. Abstract presented at the First Zambian National Conference on Geology, Mining, Metallurgy and Groundwater Resources: The Future of Mining. Lusaka, Zambia (22 Nov 2018).
- PROPOSAL: Nigeria – Internship: fieldwork, petrography, and zircon preparation activities to support research projects developed within an SDA Paradigm / Ana Martínez, Mateo Ospino / April 2021 / Faith and Science Council
- PROPOSAL: Detrital zircon studies, Dahomey Basin, Nigeria / Oluwole Oyedeji / September 2020 / Faith and Science Council
- PROPOSAL: Developing an Understanding of Zambian (and Southern Africa) Geology within a Seventh-day Adventist Context / Ben Clausen, Shepande Kalapula, [Lance Pompe] / April 2018 / Faith and Science Council

General, Mesozoic – Technical

- PAPER: Mantle driven Cretaceous flare-ups in Cordilleran arcs — Ana María Martínez Ardila, Scott R. Paterson, Vali Memeti, Miguel A. Parada, and Pablo G. Molina. *Lithos*, v.326-327, p.19-27, doi: 10.1016/j.lithos.2018.12.007 (Feb 2019).
 - <https://www.sciencedirect.com/science/article/pii/S0024493718304699>
- PAPER: Temporal histories of Cordilleran continental arcs: Testing models for magmatic episodicity — Moritz Kirsch, Scott R. Paterson, Florian Wobbe, Ana María Martínez Ardila, Benjamin L. Clausen, and Pablo H. Alasino. *American Mineralogist*, v.101, p.2133-2154 (2016).
 - <http://www.minsocam.org/msa/ammin/toc/2016/Abstracts/AM101P2133.pdf>
- ABSTRACT: Arc Magmatic Tempos — Scott R. Paterson, Barbara Ratschbacher, Vali Memeti, and Benjamin L. Clausen. Abstract presented at Goldschmidt Conference, Sacramento, CA, p.158 (8-13 Jun 2014, 11th).
 - <https://goldschmidt.info/2014/abstracts/abstractView?id=2014004126>
- ABSTRACT: Mantle Driven Cretaceous Flare-Up Events in Cordilleran Arcs — Ana María Martínez, Scott R. Paterson, Vali Memeti, Miguel A. Parada, and Pablo G. Molina. Abstract presented at Goldschmidt Conference, Boston, MA (12-17 Aug 2018).
 - <https://goldschmidt.info/2018/abstracts/abstractView?id=2018004354>

General, large data analysis – Technical

- PAPER: Automatic classification of plutonic rocks with deep learning — Germán H. Alférez, Elías L. Vázquez, Ana María Martínez Ardila, and Benjamin L. Clausen. *Applied Computing and Geosciences*, v.10, 100061, doi: 10.1016/j.acags.2021.100061 (Jun 2021).
 - <https://www.sciencedirect.com/science/article/pii/S2590197421000094?via%3Dihub>
- ABSTRACT: Understanding the Geochemistry of Southern California Plutonic Rocks Using Automated Machine Learning — Oscar Esteban, Germán Alférez, Ana María Martínez Ardila, and Benjamin L. Clausen. *Geol. Soc. Amer. Abstracts with Programs*, v.53, n.4, doi: 10.1130/abs/2021CD-362505 (12 May 2021, 12:10pm)
- ABSTRACT: Automatic Classification of Plutonic Rocks with Machine Learning Applied to Dominant Colors on iOS Devices — Sarah Hernández Serrano, Germán Alférez, Ana María Martínez Ardila, and Benjamin L. Clausen. *Geol. Soc. Amer. Abstracts with Programs*, v.53, n.4, doi: 10.1130/abs/2021CD-362983 (12 May 2021, 12:15pm)

General, nuclear physics – Technical

- PAPER: Identification of 4^- states in the $^{14}\text{C}(p,n)^{14}\text{N}$ reaction at 135 MeV — L.A.C.Garcia, B.D.Anderson, D.M.Manley, A.R.Baldwin, R.Pourang, E.Steinfelds, J.W.Watson, R.A.Lindgren, B.L.Clausen, A.D.Bacher, and C.C.Foster. *Phys. Rev. C*, v.50, p.289-299 (1994).
 - <https://journals.aps.org/prc/abstract/10.1103/PhysRevC.50.289>