



4-7 November
Indianapolis, Indiana, USA



My Schedule

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SUNDAY, 4 NOVEMBER 2018

08:15 AM - 08:30 AM

13-2: ON THE ORIGIN OF MORPHOSPECIES – USING BAYESIAN PHYLOGENETICS TO QUANTIFY THE MODE OF ANCESTOR DESCENDANT RELATIONSHIPS IN PALEOZOIC INVERTEBRATES

BAPST, David W., Geology & Geophysics, Texas A & M University, 3115 TAMU, College Station, TX 77843-3115, WRIGHT, David F., Department of Paleobiology, National Museum of Natural History, Smithsonian Institution, Washington, DC 20013-7012, COLE, Selina R., Division of Paleontology, American Museum of Natural History, Central Park West at 79th St., New York, NY 10024; Department of Paleobiology, Smithsonian Institution, National Museum of Natural History, Washington, DC 20013, HOPKINS, Melanie J., Division of Paleontology (Invertebrates), American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192, MELCHIN, Michael, Dept. of Earth Sciences, St. Francis Xavier Univ, Antigonish, NS B2G 2V5, Canada, CONGREVE, Curtis R., Department of Geosciences, The Pennsylvania State University, University Park, PA 16802, LAMSDELL, James C., Department of Geology and Geography, West Virginia University, 98 Beechurst Avenue, Brooks Hall, Morgantown, WV 26506, MITCHELL, Charles E., Department of Geology, University at Buffalo, SUNY, 126 Cooke Hall, Buffalo, NY 14260-1350 and CARLSON, Sandra J., Earth and Planetary Sciences, University of California, Davis, One Shields Ave, Davis, CA 95616

📍 Indiana Convention Center - Room 142

03:15 PM - 03:30 PM

62-8: BENTHIC FORAMINIFERA RECORD THE REPEATED EXPANSION AND INTENSIFICATION OF THE OXYGEN MINIMUM ZONE IN THE GULF OF ALASKA AND ASSOCIATED INCREASES IN PHYTODETRIUS

BELANGER, Christina¹, SHARON, Sharon¹, PAYNE, Calie¹, DU, Jianghui² and MIX, Alan², (1)Geology and Geophysics, Texas A&M University, 3115 TAMU, COLLEGE STATION, TX 77843, (2)College of Earth, Ocean, and Atmospheric Sciences, Oregon State University, Corvallis, OR 97331

📍 Indiana Convention Center - Room 140

MONDAY, 5 NOVEMBER 2018

08:05 AM - 08:25 AM

86-1: PALEOZOIC OCEAN TEMPERATURES: BRACHIOPOD AND CONODONT $\delta^{18}\text{O}$ **RECORDS COMPARED**

GROSSMAN, Ethan L., Department of Geology and Geophysics, Texas A&M University, 611 Ross Street, College Station, TX 77843-3115 and **JOACHIMSKI, Michael M.**, GeoZentrum Nordbayern, University of Erlangen, Schlossgarten 5, Erlangen, 91054, Germany

📍 Indiana Convention Center - Room 140

09:00 AM - 06:30 PM

**Booth No. 1 IF YOU CAN SIMULATE IT, YOU CAN FIT IT: DO-IT-YOURSELF
PHYLOGENETIC MODELS OF TRAIT EVOLUTION FOR THE FOSSIL RECORD WITH THE
R PACKAGE TREEVO**

BAPST, David W., Ecology and Evolutionary Biology, University of Tennessee, Knoxville, 425a Hesler, Knoxville, TN 37996, **O'MEARA, Brian C.**, Ecology and Evolutionary Biology, University of Tennessee, 446 Hesler Biology, Knoxville, TN 37996 and **BANBURY, Barbara**, Fred Hutch Cancer Research Center, Seattle, WA 98109

📍 Indiana Convention Center - Halls J-K

02:35 PM - 02:50 PM

**135-5: MOLLUSK SHELL $\delta^{15}\text{N}$ VALUES AS INDICATORS OF DENITRIFICATION AND
TROPHIC POSITION IN CONTRASTING SITES ACROSS CENTRAL AMERICAN ISTHMUS**

SAXENA, Divya¹, **WANG, Xingchen T.**², **GROSSMAN, Ethan L.**¹, **O'DEA, Aaron**³ and **SIGMAN, Daniel M.**⁴, (1)Department of Geology & Geophysics, Texas A&M University, College Station, TX 77843, (2)Division of Geological & Planetary Sciences, California Institute of Technology, Pasadena, CA 91125, (3)Smithsonian Tropical Research Institute, PO Box 0843-03092, Balboa, Panama, (4)Department of Geosciences, Princeton University, Princeton, NJ 08544

📍 Indiana Convention Center - Room 140

03:05 PM - 03:20 PM

**135-7: MG/CA RATIOS OF ECHINODERM OSSICLES IN PENNSYLVANIAN COAL BALLS:
IMPLICATIONS FOR RECONSTRUCTING MG/CA RATIOS OF PENNSYLVANIAN
SEAWATER**

CHRNA, Michelle E.¹, **RAYMOND, Anne**¹ and **LAMB, William M.**², (1)Department of Geology & Geophysics, Texas A&M University, College Station, TX 77843, (2)Department of Geology and Geophysics, Texas A&M University, College Station, TX 77843

📍 Indiana Convention Center - Room 140

TUESDAY, 6 NOVEMBER 2018

08:30 AM - 08:45 AM

**164-3: DEVELOPING ECOMETRICS VIA MIDDLE TRUNK VERTEBRAL MORPHOLOGY IN
NORTH AMERICAN SNAKES**

JACISIN III, John J., Ecosystem Science and Management, Texas A&M University, College Station, TX 77840 and **LAWING, A. Michelle**, Ecosystem Science and Management, Texas A&M University, 534 John Kimbrough, WFES Building, 322, College Station, TX 77843

📍 Indiana Convention Center - Room 143-144

09:00 AM - 06:30 PM

**Booth No. 1 PALYNOMORPH IDENTIFICATION AND PRELIMINARY
PALYNOSTRATIGRAPHY OF THE SILURIAN TANNEZUFT AND AKAKUS FORMATIONS IN
THE LIBYAN GHADAMES BASIN**

IMSALEM, Mohamed, Department of Geology & Geophysics, Texas A&M, College Station, TX 77843, ZOBAA, Mohamed K., Geology Program, The University of Texas of the Permian Basin, 4901 E University Blvd, Odessa, TX 79762 and RAYMOND, Anne, Department of Geology & Geophysics, Texas A&M University, College Station, TX 77843

📍 *Indiana Convention Center - Halls J-K*

04:00 PM - 04:15 PM

**214-9: INTEGRATING FOSSILS, PHYLOGENIES, AND PALEOCLIMATE MODELS TO
BETTER UNDERSTAND SPECIES AND COMMUNITIES RESPONSE TO CLIMATE CHANGE**

LAWING, A. Michelle, Ecosystem Science and Management, Texas A&M University, 534 John Kimbrough, WFES Building, 322, College Station, TX 77843

📍 *Indiana Convention Center - Room 142*

WEDNESDAY, 7 NOVEMBER 2018

09:00 AM - 06:30 PM

**Booth No. 1 ENTERING ANOTHER DIMENSION: 2D AND 3D SHAPE ANALYSIS OF
CLASSES RHYNCHONELLATA AND STROPHOMENATA (PHYLUM BRACHIOPODA)**

CHRPCA, Michelle E., Department of Geology & Geophysics, Texas A&M University, College Station, TX 77843

📍 *Indiana Convention Center - Halls J-K*

09:15 AM - 09:30 AM

221-6: ARE COAL BALLS RARE? A CYCLOSTRATIGRAPHIC ANALYSIS

RAYMOND, Anne, Department of Geology & Geophysics, Texas A&M University, College Station, TX 77843 and LAMBERT, Lance L., Geological Sciences, Univ of Texas At San Antonio, One UTSA Circle, Flawn Bldg. Rm 4.02.08, San Antonio, TX 78249

📍 *Indiana Convention Center - Room 130-131*

03:15 PM - 03:30 PM

**273-8: COMMUNITY SUCCESSION IN CRETACEOUS COLD-SEEP FAUNAS: USING A
GUILD-BASED MODERN-ANALOG APPROACH TO RECOGNIZE ECOLOGICAL
PARALLELS WITH MODERN SEEPS**

LAIRD, Joshua D., Geology and Geological Engineering, South Dakota School of Mines and Technology, 501 E St. Joseph Street, Rapid City, SD 57701 and BELANGER, Christina, Geology and Geophysics, Texas A&M University, 3115 TAMU, COLLEGE STATION, TX 77843

📍 *Indiana Convention Center - Room 142*

