

Mesozoic Terrestrial Ecosystems 14

List of Authors and Abstract Titles in Chronological Session Order

THURSDAY, JUNE 8, 2023

TECHNICAL SESSION 1: PALEOCLIMATOLOGY & PALEOGEOGRAPHY

MODERATORS: **Celina Suarez & Queen Kalu**

- 8:45** **L. Burgener, E. Hyland** PROXY-BASED RECONSTRUCTIONS OF CRETACEOUS CLIMATE EXTREMES
- 9:00** **K. Andrzejewski, M. Suarez, C. Noto** COMBINING PALEOSOL STABLE ISOTOPE PROXIES TO PROVIDE INSIGHT ON INTERACTIONS BETWEEN CLIMATIC, BIOTIC, AND ATMOSPHERIC PROCESSES DURING THE MID-CRETACEOUS IN TEXAS AND OKLAHOMA
- 9:15** **K. Carpenter** RECONSTRUCTING THE FLOODPLAIN PALEOGEOGRAPHY ASSOCIATED WITH THE QUARRY RIVER, DINOSAUR NATIONAL MONUMENT, UTAH, USA
- 9:30** **C. Cilliers, R. Tucker, L. Zanno** REAPPRAISAL OF THE MORENO HILL FORMATION, NEW MEXICO (USA)
- 9:45** **L. Xing, K. Niu, J. Mallon, T. Miyashita** A NEW ANKYLOSAUR FROM CHINA AND ITS SIGNIFICANCE TO ASIAN PALEOBIOGEOGRAPHY

THURSDAY, JUNE 8, 2023

TECHNICAL SESSION 2: PALEOECOLOGY

MODERATORS: **Chris Noto & Clayton Forster**

- 10:15** **E. Bordy, L. Sciscio, M. Lockley, H. Head** KAROO FOOTPRINTS MADE DURING THE CARNIAN PLUVIAL EVENT IN SW GONDWANA
- 10:30** **J. Choiniere, R. Benson, K. Dollman, K. Chapelle, C. Suarez, G. Sharman, E. Bordy, J. Botha, B. Weiss, P. Barrett** A NEW QUARRY IN THE UPPER TRIASSIC LOWER ELLIOT FORMATION PROVIDES EVIDENCE FOR CLASSICAL NORIAN FAUNAS IN THE MAIN KAROO BASIN OF SOUTHERN AFRICA
- 10:45** **G. Engelmann, D. Chure, B. Britt** CARBONATE MOUNDS IN THE TRIASSIC-JURASSIC NUGGET SANDSTONE NEAR DINOSAUR NATIONAL MONUMENT, NORTHEASTERN UTAH, OASES IN THE ERG

- 11:00 J. Parrish, S. Hasiotis, M. Chan** FRESHWATER AQUATIC ECOSYSTEMS OF THE LOWER JURASSIC NAVAJO SANDSTONE, UTAH
- 11:15 M. Chan, S. Hasiotis, J. Parrish** INDICATORS OF AN ACTIVE HYDROLOGY IN THE EOLIAN ECOSYSTEM OF THE JURASSIC NAVAJO SANDSTONE, SOUTHERN UTAH
- 11:30 R. Benson, R. Butler, S. Evans, M. Jones, E. Panciroli, M. Tałanda, S. Walsh** SQUAMATES, MAMMALS, SALAMANDERS AND OTHER SMALL TETRAPODS FROM THE MIDDLE JURASSIC KILMALUAG FORMATION, ISLE OF SKYE, SCOTLAND
- 1:00 S. Donaldson** MAGNIFICENT MOLLUSCS – THE FIRST REGIONAL PALAEOBIOGEOGRAPHICAL RECONSTRUCTION OF THE MID-CRETACEOUS GRIMAN CREEK FORMATION, LIGHTNING RIDGE, EASTERN AUSTRALIA USING FRESHWATER MOLLUSCS
- 1:15 C. Noto, S. Drumheller, T. Adams, B. Adrian, H. Smith, R. Tykoski, P. Flaig** FAUNAL COMPOSITION, DISTRIBUTION, AND PALEOBIOGEOGRAPHY OF FOSSIL VERTEBRATES FROM THE LEWISVILLE FORMATION (WOODBINE GROUP, CENOMANIAN)
- 1:30 J. Diepenbrock** THE FERRIS FORMATION: AN OVERLOOKED YET DIVERSE END-CRETACEOUS FORMATION IN WYOMING
- 1:45 S. Maccracken, I. Miller, C. Labandeira** AN INTERCONTINENTAL ASSOCIATION OF DRAGONFLY OVIPOSITION ON A FLOATING AQUATIC PLANT FROM THE LATE CRETACEOUS OF NORTH AMERICA AND ASIA
- 2:00 M. Gilbert, E. Bamforth** PALEOECOLOGY OF VERTEBRATE MICROFOSSIL ASSEMBLAGES FROM THE EASTERNMOST DINOSAUR PARK FORMATION (UPPER CAMPANIAN) SASKATCHEWAN, CANADA: RECONSTRUCTING DIVERSITY THROUGH TRANSGRESSIVE SEQUENCES
- 2:15 E. Bamforth** NEW PALEOFLOREAL SITES FROM THE LATE CRETACEOUS WAPITI FORMATION OF ALBERTA, CANADA: IMPLICATIONS FOR UNDERSTANDING THE PALEOECOLOGY OF BOREAL DINOSAUR COMMUNITIES

THURSDAY, JUNE 8, 2023

**THEME SESSION: GLOBAL PERSPECTIVES
ON MESOZOIC LACUSTRINE ECOSYSTEMS**

MODERATORS: Cecilia Benavente, Adriana Mancuso & Randy Irmis

- 2:45 K. Bohacs, C. Benavente, A. Mancuso** NOTES FROM THE UNDERGROUND—A GLOBAL PERSPECTIVE ON THE ESSENTIAL ROLE OF GROUNDWATER AND CONTINGENCIES IN FORMING AND PRESERVING PALEOENVIRONMENTAL INDICATORS AND CLIMATE PROXIES IN CONTINENTAL SETTINGS

- 3:00 E. Bordy** 'THE LAKE AS A MICROCOSM': LACUSTRINE ECOSYSTEMS FROM THE EARLY JURASSIC OF SOUTHERN PANGAEA
- 3:15 P. Moisan, S. Voigt, B. Bomfleur, H. Kerp, J. Schneider, J. Fischer, I. Kogan** THE MIDDLE-LATE TRIASSIC FLORA FROM THE MADYGEN LAGERSTÄTTE, SW KYRGYZSTAN
- 3:30 M. Suarez, A. Al-Suwaidi, J. Kirkland, K. Snell, A. Möller, N. McLean, C. Suarez, E. Montgomery, M. Paige** A WINDOW TO THE EARLY CRETACEOUS NORTH AMERICAN CLIMATE AND ENVIRONMENT: THE 'LAKE CARPENTER' LACUSTRINE STRATA OF THE CEDAR MOUNTAIN FORMATION
- 4:00 C. Suarez, G. Sharman, L. Boush, A. Milner, A. Stigall, L. Antonietto, J. Whiteside** LOCATING THE TRIASSIC-JURASSIC BOUNDARY WITHIN THE MOENAVE FORMATION: IMPLICATIONS FOR CLIMATIC, FAUNAL, AND ENVIRONMENTAL CHANGE OF THE LACUSTRINE WHITMORE POINT MEMBER FOLLOWING THE END-TRIASSIC EXTINCTION EVENT
- 4:15 A. Mancuso** THE LIMNOGEOLOGICAL APPROACH: A TRIASSIC STUDY CASE FROM ARGENTINA
- 4:30 A. Milner, J. Harris, J. Kirkland, M. Lockley, C. Suarez, G. Sharman, P. Olsen, J. Buchwitz** ECOSYSTEMS OF THE MOENAVE FORMATION ACROSS THE TRIASSIC-JURASSIC TRANSITION
- 4:45 M. Lara, J. Foster, T. Howells, J. Kirkland** ARTHROPODA BODY FOSSILS FROM THE JURASSIC SALAD BAR SITE IN THE UPPER JURASSIC MORRISON FORMATION IN SOUTHEASTERN UTAH, USA

THURSDAY, JUNE 8, 2023

POSTER SESSION 1

- 1 K. Shibata, B. Adhiperdana, M. Ito, A. Milner, M. Lockley** MODERATELY HUMID PALEOCLIMATES IN WESTERN PANGAEA DURING THE LATE TRIASSIC: EVIDENCE FROM DETRITAL COMPOSITIONS OF THE CHINLE FORMATION IN SOUTHWESTERN UTAH
- 2 Q. Kalu, C. Suarez, G. Sharman, M. Suarez, M. Allen, M. D'Emic** PCO 2 CALCULATIONS FROM CLOVERLY FORMATION IN NORTHERN WYOMING USING PEDOGENIC CARBONATE NODULES
- 3 C. Forster, C. Suarez** PRELIMINARY WATER OXYGEN ISOTOPIC LANDSCAPE OF THE EARLY CRETACEOUS IMPLIES PRONOUNCED LATITUDINALLY INDUCED RAINOUT EFFECT
- 4 T. Ford** MONGOLIA TO THE WEST COAST OF CALIFORNIA: A POSSIBLE SAUROLOPHINE LARAMIDIA CONNECTION
- 5 A. Brink, G. Phillips, S. Kennedy** NEW LATE CRETACEOUS MAMMALS FROM APPALACHIA: ADDITIONS FROM MISSISSIPPI

- 6 **N. Ong** USING SHELL ORNAMENTATION TO DOCUMENT PAN-TRIONYCHID TURTLE DIVERSITY AND DISTRIBUTION ACROSS THE K-PG BOUNDARY
- 7 **M. Hurlbut** PLANT FOSSIL LOCALITY IN THE SHINARUMP MEMBER OF THE CHINLE FORMATION (UPPER TRIASSIC) OF SOUTHWESTERN UTAH (WASHINGTON COUNTY)
- 8 **J. Totman Parrish, S. Hasiotis, M. Chan** PALEOECOLOGY AND BIOFACIES OF THE LOWER JURASSIC NAVAJO SANDSTONE
- 9 **A. Guillaume, L. Ezquerro, M. Moreno-Azanza, O. Mateus** VERTEBRATE MICROFOSSIL ASSEMBLAGES FROM THE LOURINHÃ FORMATION: A SNEAK PEEK ON THE PALEOECOLOGY OF THE LATE JURASSIC IN PORTUGAL
- 10 **K. Kim, M. Lockley, J. Lim** A CRETACEOUS FROG FOOTPRINT FORUM: A HIGHLY DIVERSE ICHNOFAUNA FROM THE JINJU FORMATION (CRETACEOUS) OF KOREA HIGHLIGHTS THE PALEOECOLOGICAL IMPORTANCE OF RARE TRACKS
- 11 **D. Anduza, J. Kirkland** LIAONINGOSAURUS AS AN ALGAL GRAZER: CLUES FROM MARINE IGUANAS AND RAY-FINNED FISHES
- 12 **G. Bishop, B. Kržič, M. Samms, B. Meyer, A. Rindsberg, F. Pirkle** ON THE TERRESTRIAL EDGE - CRETACEOUS SEA TURTLE NESTS; ECOLOGY, PALEOECOLOGY, AND ICHNOLOGY
- 13 **T. Pedernera, C. Mancuso, C. Benavente, E. Ottone** PLANT PRESERVATION IN LAKES FROM TRIASSIC BASINS OF ARGENTINA **Part of the Global Perspectives on Mesozoic Lacustrine Ecosystems Theme Session
- 14 **C. Benavente, T. Pedernera, S. Suarez-Davi, P. Guillermina Giordano, A. Mancuso** FISH DIVERSITY AND LAKE BASIN TYPE FROM TRIASSIC RIFT BASINS OF ARGENTINA **Part of the Global Perspectives on Mesozoic Lacustrine Ecosystems Theme Session

FRIDAY, JUNE 9, 2023

TECHNICAL SESSION 3: TERRESTRIAL ECOSYSTEMS –
TRIASSIC – MIDDLE JURASSIC

MODERATORS: Jessie Atterholt & Marina Suarez

- 8:30 **J. Napoli, J. Flynn, M. Norell** THE VAST MISSING DIVERSITY OF THE DINOSAUR FOSSIL RECORD
- 8:45 **R. Smith, J. Botha, P. Viglietti** DROUGHT-AFFLICTED TETRAPODS IN THE EARLY TRIASSIC KAROO BASIN, SOUTH AFRICA
- 9:00 **P. Hancox, C. Montgomery, A. Heckert, C. Duffin, D. Hoffman, E. Schneiderhan** THE FAUNA OF THE LOWER BURGERSDORP FORMATION (CYNOGNATHUS ASSEMBLAGE ZONE – LANGBERGIA SUBZONE) OF SOUTH AFRICA
- 9:15 **S. Hasiotis, J. Totman Parrish, M.Chan** USING THE DIVERSITY AND DISTRIBUTION OF VERTEBRATE BURROWS TO RECONSTRUCT PALEOECOLOGICAL RELATIONSHIPS IN THE LOWER JURASSIC NAVAJO SANDSTONE, SOUTHEASTERN UTAH
- 9:30 **J. Martz, B. Small** COLORADO'S OLDEST DINOSAURS: THEROPODS FROM THE RED SILTSTONE MEMBER OF THE CHINLE FORMATION IN THE EAGLE BASIN OF COLORADO AND A SUMMARY OF LATE TRIASSIC ORNITHODIRAN BIOCHRONOLOGY IN WESTERN NORTH AMERICA
- 9:45 **D. DeBlieux, A. Milner, R. Irmis, J. Kirkland** GEOLOGY AND PALEONTOLOGY OF THE UPPER TRIASSIC CHINLE FORMATION IN THE NORTHERN PARADOX BASIN OF SOUTHEASTERN UTAH: COMPARING SURVEYS FROM CANYONLANDS NATIONAL PARK AND INDIAN CREEK IN BEARS EARS NATIONAL MONUMENT
- 10:00 **A. Heckert, J. Crothers, L. Rose, S. Nesbitt, I. Pugh, M. Stocker, P. Barrett, S. Wills, D. Ward, B. Lauer, R. Lauer** AN EXCEPTIONALLY RICH UPPER TRIASSIC MICROVERTEBRATE SITE FROM THE ?EARLY REVUELTIAN (MID-NORIAN) GARITA CREEK FORMATION OF EAST-CENTRAL NEW MEXICO, USA
- 10:30 **P. Barrett, L. Sciscio, M. Zondo, T. Broderick, D. Munyikwa, P. Viglietti, S. Edwards, K. Chapelle, K. Dollman, J. Choiniere** FAUNAL CHANGE ACROSS THE TRIASSIC–JURASSIC BOUNDARY: NEW INSIGHTS FROM THE MID-ZAMBEZI BASIN OF ZIMBABWE
- 10:45 **S. Singh, A. Elsler, T. Stubbs, E. Rayfield, M. Benton** DIFFERENCES IN ARCHOSAUFOMORPH FUNCTIONAL MORPHOLOGY REVEAL A SHIFT IN APEX CARNIVORE ECOLOGIES DURING THE RISE OF THE DINOSAURS
- 11:00 **A. Chinsamy, I. Cerda, D. Pol** ADVANCES IN OUR UNDERSTANDING OF THE GROWTH PATTERNS OF SAUROPODOMORPHA
- 11:15 **K. Chapelle, J. Botha, J. Choiniere** THE SMALLEST ADULT JURASSIC SAUROPODOMORPH
- 11:30 **O. Zafaty, M. Oukassou, X. Pereda-Suberbiola, F. Rigueti, J. Company, S. Bendrioua, R. Tabuce, A. Charrière** A NEW PARTIAL SKELETON INCLUDING DERMAL ARMOR

OF A THYREOPHORAN (ORNITHISCHIA) DINOSAUR FROM MIDDLE JURASSIC OF NORTH AFRICA (MOROCCO)

- 11:45 S. Wills, A. Cavosie, V. Fernandez, C. Underwood, D. Ward, E. Bernard, P. Barrett**
HIGH DIVERSITY MIDDLE JURASSIC DINOSAUR FAUNAS REVEALED THROUGH MICROVERTEBRATE ANALYSIS

FRIDAY, JUNE 9, 2023

TECHNICAL SESSION 3: TERRESTRIAL ECOSYSTEMS – LATE JURASSIC

MODERATORS: John Foster & Elliott Armour Smith

- 1:00 C. Morrison, P. Barrett, P. Mannion, L. Porro** EVIDENCE FOR POTENTIAL PISCIVORY IN JURASSIC MEGALOSAUROID THEROPODS
- 1:15 L. Sciscio, C. Meyer, M. Belvedere, M. Lockley, B. Schumacher** SURF AND TURF: A WINDOW INTO LATE JURASSIC SAUROPOD AND THEROPOD POPULATIONS FROM LACUSTRINE AND COASTAL AREAS AT THE PURGATOIRE VALLEY (USA) AND JURA (SWITZERLAND) TRACK SITES
- 1:30 J. Russo, O. Mateus** REVIEW OF DRACOPELTA ZBYSZEWSKII, AN ANKYLOSAUR FROM THE UPPER JURASSIC OF PORTUGAL
- 1:45 A. Guillaume, O. Mateus, M. Moreno-Azanza** THE ALBANERPETONTIDAE (LISSAMPHIBIA) FROM THE LOURINHÃ FORMATION (UPPER JURASSIC, PORTUGAL)
- 2:00 B. Curtice, M. Wedel, R. Wilhite, C. Boisvert** NEW MATERIAL OF HAPLOCANTHOSAURUS (HATCHER 1903) FROM THE DRY MESA DINOSAUR QUARRY AND A COMMENT ON SAUROPOD DIVERSITY
- 2:15 A. Weil, M. Wedel, L. Hall** MICROVERTEBRATE EXPANSION OF KNOWN FAUNA OF THE MORRISON FORMATION OF OKLAHOMA WILL ENABLE MORE MEANINGFUL COMPARISONS WITH OTHER REGIONS
- 2:30 J. Lee** MESIC LATE JURASSIC COASTAL FLORAS FROM PACIFIC NORTH AMERICA

FRIDAY, JUNE 9, 2023

THEME SESSION:

**GREENING OF THE UPPER JURASSIC MORRISON FORMATION, USA:
HUGE ADVANCES IN PALEOBOTANY WITH IMPLICATIONS FOR DINOSAUR
HERBIVORY AND ECOSYSTEM RECONSTRUCTION**

MODERATORS: Carole Gee

- 3:00 C. Gee** PALEOBOTANY OF THE UPPER JURASSIC MORRISON FORMATION: WHAT'S NEW AND WHAT'S TO COME?

- 3:15 J. Foster, C. Gee, S. Ash, J. Kirkland** PRELIMINARY OBSERVATIONS ON THE JURASSIC SALAD BAR, A NEW GINKGOPHYTE-DOMINATED FLORA FROM THE UPPER JURASSIC MORRISON FORMATION IN SOUTHEASTERN UTAH, USA
- 3:30 C. Gee** ELUCIDATING ECOLOGICAL INTERACTIONS BETWEEN TREES, INSECTS, FUNGI, AND DINOSAURS IN THE UPPER JURASSIC BIOTA OF THE MORRISON FORMATION
- 3:45 D. Richmond** A STRANGE WOOD IN A STRANGE LAND: THE PALEOECOLOGY OF THE FOSSIL WOOD XENOXYLON IN THE LATE JURASSIC OF NORTH AMERICA
- 4:00 F. Hoff, C. Gee** DECIDUOUS OR EVERGREEN? A CASE STUDY ON A NEW SPECIES OF UPPER JURASSIC WOOD FROM THE MORRISON FORMATION OF MONTANA, USA
- 4:25 M. Bennis, C. Gee, D. Gray, R. Love** RECOVERY OF AN EXCEPTIONAL PERMINERALIZED TREE TRUNK FROM THE SALT WASH MEMBER OF THE MORRISON FORMATION OF NE UTAH: THE MANWELL LOG
- 4:40 S. Manchester, C. Gee, P. Crane** NEWLY RECOGNIZED GYMNOSPERM DIVERSITY IN THE UPPER JURASSIC BRUSHY BASIN MEMBER OF THE MORRISON FORMATION BASED ON 3-DimensionALLY PRESERVED REPRODUCTIVE STRUCTURES FROM THE HENRY MOUNTAINS OF UTAH, USA
- 4:55 C. Hotton, N. Baghai-Riding** CONTRAST BETWEEN THE PALYNOFLORA AND MEGAFLOA IN THE JURASSIC SALAD BAR SITE, UTAH, USA: IMPLICATIONS FOR THE REGIONAL FLORA
- 5:10 M. Howell, C. Gee, K. Südekum** PRELIMINARY OBSERVATIONS ON EXPERIMENTALLY PRODUCED PLANT-BASED COPROLITES AS A BASIS TO UNDERSTANDING DINOSAUR HERBIVORY
- 5:25 M. Philippe, D. Richmond, R. Lupia, D. McLemore** REAPPASIAL OF XENOXYLON MORRISONENSE LEADS TO RECOGNITION OF A NEW FOSSIL WOOD GENUS

FRIDAY, JUNE 9, 2023

POSTER SESSION 2

- 1 M. Celeskey, A. Heckert, H. Klein** CHIROTHERES: CINDERELLA AND THE ADVENT OF ARCHOSAURIAN LOCOMOTOR INNOVATIONS—A PICTORIAL GUIDE
- 2 M. Wedel, J. Atterholt** EXPANDED NEUROCENTRAL JOINTS IN THE VERTEBRAE OF SAUROPOD DINOSAURS
- 3 R. Lauer, B. Lauer, D. Ward, A. Ward** ACQUIRING THE HOMESTEAD UPPER TRIASSIC SITE: AN INTERNATIONAL COLLABORATION THAT PROVIDES EDUCATIONAL, RESEARCH AND PUBLICATION OPPORTUNITIES
- 4 S. Rowland, T. Cluff, N. Saines** FIRST REPORT OF VERTEBRATE BURROWS IN THE EARLY JURASSIC AZTEC SANDSTONE OF SOUTHERN NEVADA

- 5 **E. Armour Smith, C. Sidor** A NEW SHUVOSAURID FROM THE UPPER TRIASSIC CHINLE FORMATION OF PETRIFIED FOREST NATIONAL PARK: IMPLICATIONS FOR THE SYSTEMATICS AND BIOGEOGRAPHY OF THE CLADE
- 6 **K. Trujillo, K. Chamberlain, J. Foster** CHALLENGES AND SUCCESSES OF DATING MESOZOIC TERRESTRIAL ROCKS: AN UPDATE ON THE MORRISON FORMATION DATING PROJECT
- 7 **S. Hasiotis, J. Totman Parrish, M. Chan** A FRAMEWORK TO CONSTRUCT EOLIAN ICHNOCOENOSES AND ICHNOFACIES: EXAMPLES FROM THE LOWER JURASSIC NAVAJO SANDSTONE, SOUTHEASTERN UTAH
- 8 **M. Lockley, P. Murphey, A. Romilio** MULTIPLE DINOSAUR TRACKSITES DOMINATED BY DIMINUTIVE TRIDACTYL TRACKMAKERS FROM THE UPPER JURASSIC, MOAB MEMBER (CURTIS FORMATION), GRAND COUNTY, UTAH
- 9 **J. McCloskey, J. Peterson, J. Warnock, C. Doods** VERTEBRATE ICHNOFOSSILS FROM JURASSIC NATIONAL MONUMENT, UPPER MORRISON FORMATION, UTAH - A PRELIMINARY CENSUS
- 10 **M. Lockley, P. Murphey, A. Romilio** A LARGE, SAURISCHIAN-DOMINATED, TRACKSITE IN THE UPPER JURASSIC MORRISON FORMATION, GRAND COUNTY, UTAH: A SPECTACULAR EXAMPLE OF EXTENSIVE DINOTURBATION
- 11 **L. Krumenacker, K. Carpenter, J. Moore, D. Varricchio** PRELIMINARY REPORT ON A PARTIAL NODOSAUR SKELETON FROM THE WAYAN FORMATION OF IDAHO
- 12 **J. Lee, K. Kim** THE FLORA OF THE EARLY CRETACEOUS JINJU KONSERVAT-LAGERSTATTE (110-106 MYA, ALBIAN), SOUTH KOREA
- 13 **J. Foster, C. Gee, S. Sroka** FIRST REPORT ON THE TURTLE ISLAND FLORA, A NEW UPPER JURASSIC PLANT ASSEMBLAGE FROM THE MORRISON FORMATION OF NORTHEASTERN UTAH, USA **Part of the Greening of the Upper Jurassic Morrison Formation, USA: Huge Advances in Paleobotany with Implication for Dinosaur Herbivory and Ecosystem Reconstruction Theme Session
- 14 **C. Gee, P. Sander, F. Hoff, D. Richmond, A. Xie, Y. Wang** FIRST PALEOBOTANICAL REPORT ON THE ESCALANTE PETRIFIED FOREST OF THE UPPER JURASSIC MORRISON FORMATION IN UTAH, USA: SURVEY AND DATA COLLECTION OF TRAIL LOGS, OCCURRENCE OF GIANT TREES, GENESIS OF FOSSIL DEPOSIT **Part of the Greening of the Upper Jurassic Morrison Formation, USA: Huge Advances in Paleobotany with Implication for Dinosaur Herbivory and Ecosystem Reconstruction Theme Session

SATURDAY, JUNE 10, 2023

TECHNICAL SESSION 3: TERRESTRIAL ECOSYSTEMS – EARLY-MID CRETACEOUS

MODERATORS: Kyla Beguesse & Heather Smith

- 8:30 T. Martin, A. Averianov, J. Schultz, A. Schwermann, O. Wings** LATE JURASSIC AND EARLY CRETACEOUS MAMMALS FROM GERMANY
- 8:45 J. Kirkland, D. DeBlieux, S. Madsen** THE DAWN OF THE CRETACEOUS IN EASTERN UTAH
- 9:00 W. Freimuth, J. Lively, L. Zanno** A THERIZINOSAUR IN TROODONTID'S CLOTHING? REASSESSING THE TROODONTID GEMINIRAPTOR SUAREZARUM IN LIGHT OF NEW THERIZINOSAURIAN MATERIAL FROM THE LOWER CRETACEOUS YELLOW CAT MEMBER OF THE CEDAR MOUNTAIN FORMATION, UTAH, USA
- 9:15 K. Beguesse, W. Freimuth, L. Herzog, L. Zanno** A SURVEY OF PALEOPATHOLOGIES IN THE EARLY CRETACEOUS THERIZINOSAURIAN FALCARIUS UTAHENSIS FROM CRYSTAL GEYSER QUARRY UTAH
- 9:30 R. Hunt-Foster, J. Kirkland** THE EARLY CRETACEOUS ORNITHOMIMOSAUR RECORD IN NORTH AMERICA
- 9:45 L. Zanno, R. Tucker, C. Suarez, H. Avrahami, L. Herzog, J. Hedge, E. Lund, W. Freimuth, K. Beguesse, P. Makovicky** PALEOBIODIVERSITY OF THE MUSSENTUCHIT MEMBER, CEDAR MOUNTAIN FORMATION (UTAH): NEW DISCOVERIES ENHANCE AND CONTEXTUALIZE AN EXCEPTIONAL WINDOW INTO MID-CRETACEOUS TERRESTRIAL ECOSYSTEMS
- 10:00 R. Tucker, P. Makovicky, R. Cifelli, L. Zanno** GEOLOGICAL REVISION OF THE EARLY CENOMANIAN MUSSENTUCHIT MEMBER, CEDAR MOUNTAIN FORMATION, CENTRAL UTAH (USA)
- 10:15 C. Suarez, C. Forster, G. Sharman, J. Fekete, M. Suarez, L. Zanno, R. Tucker** UPDATES ON THE CHRONOSTRATIGRAPHIC FRAMEWORK OF THE CEDAR MOUNTAIN FORMATION OF UTAH AND IMPLICATIONS FOR FAUNAL COMPARISONS AND THE CRETACEOUS TERRESTRIAL REVOLUTION
- 10:45 H. Avrahami, P. Makovicky, L. Zanno** AN EXCEPTIONAL ASSEMBLAGE OF NEW ORODROMINE DINOSAURS FROM THE POORLY CHARACTERIZED MID-CRETACEOUS OF NORTH AMERICA
- 11:00 J. Hedge, L. Zanno** REASSESSING THE ALPHA-TAXONOMY OF THE OOGENUS MACROELONGATOLITHUS BASED ON A NEW NEST FROM THE CENOMANIAN-AGE MUSSENTUCHIT MEMBER OF THE CEDAR MOUNTAIN FORMATION (UTAH)
- 11:15 P. Makovicky, R. Cifelli, L. Zanno** THE MID-CRETACEOUS FOSSIL RECORD OF CAENAGNATHIDS IN NORTH AMERICA AND ITS IMPLICATIONS FOR THE TIMING OF FAUNAL INTERCHANGE WITH ASIA
- 11:30 C. Tsogtbaatar, R. Takasaki, J. Yoshida, B. Buyantegsh, B. Mainbayar, L. Zanno** THE OLDEST PACHYCEPHALOSAUR (ORNITHISCHIA: MARGINOCEPHALIA) FROM THE

EARLY CRETACEOUS KHUKHTEEG FORMATION AT KHUREN DUKH LOCALITY OF MONGOLIA

- 11:45 M. Huh, J. Kim, J. Jung, H. Jo, M. Kim** REVIEW OF DINOSAURS, PTEROSAURS, AND BIRDS OF KOREA
- 12:00 J. Jung, M. Huh, H. Jo** THE PTEROSAUR TRACKS OF KOREA: THE DIVERSITY AND ECOLOGY OF THE CRETACEOUS PTEROSAURS THROUGH THE FOOTPRINTS

SATURDAY, JUNE 10, 2023

TECHNICAL SESSION 3: TERRESTRIAL ECOSYSTEMS – LATE CRETACEOUS

MODERATORS: Tut Tran & Summer Ostrowski

- 1:15 S. Gobbo, R. Bertini** UPPER CRETACEOUS CONTINENTAL DEPOSITS FROM THE BAURU GROUP, PARANÁ BASIN, SOUTHEASTERN BRASIL. STRATIGRAPHY, PALEOENVIRONMENTS, PALEOBIOTAS AND BIOCHRONOSTRATIGRAPHIC ATTEMPTS
- 1:30 C. Noto, P. Flaig, D. Contreras, P. Zippi, M. Lorente, K. Andrzejewski, R. Tykoski** DECIPHERING THE WOODBINE GROUP (LATE CRETACEOUS; CENOMANIAN) OUTCROPS OF THE DALLAS–FT. WORTH METROPLEX: NEW DATA AND NEW HORIZONS
- 1:45 B. Breithaupt, N. Matthews** EARLY CAMPANIAN FOOTPRINTS FROM THE EAST COAST OF MID-LARAMIDIA: STEPS FROM THE ORNITHOPOD HARBINGERS OF THE “CAMPANIAN EXPLOSION”
- 2:00 E. Bender, T. Gates, E. Johnson, L. Zanno** A NEW KRITOSAURIN HADROSAURID (DINOSAURIA: ORNITHOPODA) FROM THE LATE CRETACEOUS OF COLORADO, USA
- 2:15 E. Lund, L. Zanno** CENTROSAURINE CERATOPSID MATERIAL FROM THE LATE CRETACEOUS (CAMPANIAN) MENEFFEE FORMATION OF NORTHWEST NEW MEXICO
- 2:30 R. Mansergh, P. Upchurch, S. Maidment** SAMPLING BIAS IN CERATOPSID PHYLOGENIES
- 2:45 N. Longrich, P. Makovicky, T. Tokaryk, D. Cooper, E. Saitta, G. Erickson, T. Szekeley, E. Snively** HATCHLINGS OF TYRANNOSAURUS REX AND THE EVOLUTION OF DINOSAUR REPRODUCTIVE STRATEGIES
- 3:00 T. Tran, D. Pittinger, T. Olstad, B. Cockrell** HOODOO-THUNKIT? THE BEGINNINGS OF A LATE CRETACEOUS PALEONTOLOGY PROGRAM AT BRYCE CANYON NATIONAL PARK

SATURDAY, JUNE 10, 2023

THEME SESSION:

**LARAMIDIA TO ASIA: BIOTA AND BIOGEOGRAPHY OF
INTERCONNECTED ICONIC LATE CRETACEOUS ECOSYSTEMS**

MODERATORS: Alan Titus, Mark Loewen & Joe Sertich

- 3:25 D. Brinkman, P. Druckenmiller, J. López, G. Erickson, J. Eberle, L. Van Loon, N. Banerjee** FISHES FROM THE LATE CRETACEOUS PRINCE CREEK FORMATION, NORTH SLOPE OF ALASKA AND THEIR IMPLICATIONS FOR INTERCHANGE BETWEEN ASIA AND NORTH AMERICA
- 3:40 J. Lively** NEW VERTEBRATE RECORDS FROM THE UPPER CRETACEOUS (CAMPANIAN) NESLEN FORMATION, EASTERN UTAH
- 3:55 A. Farke** VERTEBRATE PALEONTOLOGY AND BIOSTRATIGRAPHY OF THE MESAVERDE FORMATION (MIDDLE CAMPANIAN) IN THE BIGHORN BASIN OF WYOMING, USA
- 4:10 M. Loewen, J. Sertich** CAMPANIAN CENTROSAURINE CERATOPSID DIVERSITY AND REGIONAL ENDEMISM IN SOUTHERN LARAMIDIA
- 4:35 J. Sertich, M. Loewen, E. Lund** NEW SPECIMENS FROM THE UPPER CAMPANIAN OF 'SOUTHERN' LARAMIDIA REVEAL UNEXPECTED COMPLEXITY IN "PENTACERATOPS-LIKE" CHASMOSAURINE RICHNESS
- 4:50 A. Titus, J. Sertich, R. Irmis, M. Loewen** TYRANNOSAURID DINOSAUR DIVERSITY IN MIDDLE AND UPPER CAMPANIAN (LATE CRETACEOUS) ECOSYSTEMS OF LARAMIDIA: NEW INFORMATION FROM THE KAIPAROWITS FORMATION OF SOUTHERN UTAH, USA
- 5:05 A. Brink, R. Cifelli, S. Wisk** LATITUDINAL VARIATION OF EARLY CAMPANIAN MAMMALIAN FAUNAS FROM THE LOWER SHALE MEMBER OF THE AGUJA FORMATION IN WEST TEXAS, THE WAHWEAP FORMATION IN UTAH, AND THE MENELEE FORMATION IN NEW MEXICO
- 5:20 E. Warner-Cowgill, G. Storrs, L. Ashurst-Mcgee, M. Affolter, Q. Hawkins, A. Stringham, E. Tamez-Galvan, L. Kosowatz, T. Tran, A. Lujan** VERTEBRATE PALEOFAUNA OF THE CAMPANIAN ALMOND FORMATION OF WYOMING: HISTORY OF STUDY, BIOGEOGRAPHIC SIGNIFICANCE, AND EARLY RESULTS OF AN ONGOING PALEONTOLOGICAL SURVEY

SATURDAY, JUNE 10, 2023

POSTER SESSION 3

- 1 **B. Breithaupt, N. Matthews, R. Hunt-Foster** USING PHOTOGRAMMETRY FOR LONG-TERM PRESERVATION AND MANAGEMENT OF IN SITU MESOZOIC PALEONTOLOGICAL RESOURCES: PRESERVING ANCIENT ECOSYSTEMS
- 2 **M. Heck, S. Mohler, C. Sickles, J. Noviello, D. Hoffman, L. Thrasher, J. Borst, B. Mohler** LOCATING SUBSURFACE FOSSILS USING STATISTICAL ANALYSIS OF GAMMA DETECTION
- 3 **H. Jo, M. Huh, J. Jung, M. Kim** THE DIVERSITY OF DINOSAUR EGG FOSSILS FROM KOREA AND THE PRELIMINARY STUDY ON THE NEW DINOSAUR EGGS FROM SHINAN, JEOLLANAM-DO PROVINCE
- 4 **R. Jorgensen, J. Kirkland, D. DeBlieux, L. Zanno, M. Loewen** REASSESSMENT OF YURGOVUCHIA PELVIC MATERIAL AND THEROPOD DIVERSITY IN THE LOWER YELLOW CAT MEMBER OF THE CEDAR MOUNTAIN FORMATION OF CENTRAL UTAH
- 5 **P. Anderson, M. King** UPPER TURONIAN UNIDENTIFIED PLANT FOSSIL IN A MARGINAL MARINE SAND BODY, FERRON SANDSTONE, EMERY COUNTY, UTAH
- 6 **D. Smith, S. Ritchey** LOCOMOTION IN THE HERBIVOROUS THEROPOD NOTHRONYCHUS AND ITS POSITION IN THE TURONIAN FAUNAL ECOSYSTEM
- 7 **W. McCuen, L. Zanno** REASSESSMENT OF VERTEBRATE MICROFOSSILS FROM THE STRAIGHT CLIFFS FORMATION (TURONIAN-EARLY CAMPANIAN) OF SOUTHERN UTAH
- 8 **S. Ostrowski, C. Noto** HAVE YOUR SNAKE AND EAT IT TOO: SNAKE MATERIAL FROM THE ARLINGTON ARCHOSAUR SITE (LEWISVILLE FORMATION, CENOMANIAN) OF NORTH-CENTRAL TEXAS
- 9 **H. Smith, B. Adrian, A. McDonald, D. Wolfe** THE ORIGINS OF UPPERMOST CRETACEOUS FOSSIL TURTLE ASSEMBLAGES IN NORTHWESTERN NEW MEXICO
- 10 **B. Conway, J. Peterson** BROKEN BONES AND BRUISED EGGS: TRAUMA AND INFECTION IN CERATOPSID DINOSAURS
- 11 **J. Mallon, M. Roloson, R. Holmes, E. Bamforth** LATE MAASTRICHTIAN CHASMOSAURINE CERATOPSIDS OF CANADA AND HORNED DINOSAUR EVOLUTION PRECEDING THE TERMINAL CRETACEOUS
- 12 **K. Atkins-Weltman, E. Snively** MASS PROPERTIES OF DINOSAURS FROM THE LATE MAASTRICHTIAN OF NORTHERN LARAMIDIA AND THEIR PALEOECOLOGICAL IMPLICATIONS
- 13 **E. Warner-Cowgill, M. Loewen** REASSESSMENT OF TOROSAURUS UTAHENSIS WITH A FOCUS ON MATERIAL FROM THE MAASTRICHTIAN NORTH HORN FORMATION OF CENTRAL UTAH

- 14 D. Brinkman, M. Kundrat** NON-MARINE FISH FROM THE TURONIAN BISSEKTY FORMATION OF UZBEKISTAN PROVIDE EVIDENCE FOR INTERCHANGE IN THE FISH ASSEMBLAGES OF ASIA AND NORTH AMERICA **Part of the Laramidia to Asia: biota and biogeography of interconnected iconic Late Cretaceous ecosystems Theme Session
- 15 T. Beveridge, E. Roberts, J. Ramezani** PRECISE BENTONITE CHRONOSTRATIGRAPHY FOR FOSSILIFEROUS CAMPANIAN STRATA ACROSS WESTERN NORTH AMERICA **Part of the Laramidia to Asia: biota and biogeography of interconnected iconic Late Cretaceous ecosystems Theme Session
- 16 R. Hunt-Foster, J. Foster, J. Eberle, A. Heckert, J. Hartman, S. Sroka** NEW ELEMENTS OF THE PALEOBIOTA OF THE WILLIAMS FORK FORMATION (CAMPANIAN-MAASTRICHTIAN) OF NORTHWESTERN COLORADO AND NORTHEASTERN UTAH, USA **Part of the Laramidia to Asia: biota and biogeography of interconnected iconic Late Cretaceous ecosystems Theme Session