

**The 67th Symposium on Vertebrate Palaeontology and Comparative Anatomy,
with the 28th Symposium of Palaeontological Preparation and Conservation
Dinosaur Isle Museum 10th – 13th September 2019**

PROGRAMME

SVPCA 2019



ISLE OF WIGHT



Date: 10/09/2019

Time	Activity	Venue	Note 1	Note 2
13.00- 17.00	Workshop field to lab	Dinosaur Isle Museum and Yaverland	Leaders: Gary Blackwell, Mark Graham and Nigel Larkin	
13.30 – 16.00	Pre conference fieldtrip	Yaverland to Culver Cliff	Leaders: Dave Martill, Steve Sweetman & Martin Munt	
18.00- 20.00	Ice Breaker	Dinosaur Isle Museum		
20.15	Transport to Cowes			Depart Dinosaur Isle

Date: 11/09/2019

Session: Morning

Event: SPPC

Chair: Emma Nicholls

Time	Speaker	Title	Note 1	Note 2
09:30 – 09:40	Welcome and Intro to GCG			Main Hall
09:40 – 10:00	Donald Henderson	Cold climate collection of Cretaceous creatures in Canada	15 mins + 5 mins for questions	Main Hall
10:00 – 10:20	Frank Osbæck	13 years of preparing Danish fossils, a retrospective	15 mins + 5 mins for questions	Main Hall
10:20 – 10:40	Tom Challands	Palaeontological preparation facilities in UK universities: the north south divide?	15 mins + 5 mins for questions	Main Hall
10:40 – 11:00	Tea break			Main Hall

Date: 11/09/2019

Session: Morning

Event: SPPC

Chair: Cindy Howells

11:00 – 11:20	Simon Penn	A new technique for sampling plant debris beds from the Early Cretaceous Wealden Group of southern England	15 mins + 5 mins for questions	Main Hall
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11:20 – 11:40	Mark R Graham	A combination of air abrasion and ultrasonic preparation reveals fine details ahead of scanning electron microscopy, in fossil ophiuroids	15 mins + 5 mins for questions	Main Hall
11:40 – 12:00	Lu Allington-Jones	Controlled exsiccation of fossilised remains in waterlogged marl: Slowly Slowly Dryee Squiddie	15 mins + 5 mins for questions	Main Hall

Date 11/09/2019

Time	Speaker	Title	Note 1	Location
13.00 – 13.20	Dave Martill	Welcome		Main Hall

Date 11/09/2019

Session 1 MARINE REPTILES

Chair Dave Martill

Time	Speaker	Title	Note 1	Location
13.20- 13.40	Donald Henderson	Twisting by (in) the Pool: the potential for twist feeding in pliosaurs	15 mins + 5 mins for questions	Main Hall

13.40- 14.00	Richard Forrest	Yet <i>another</i> explanation for long necks in the Plesiosauria.	15 mins + 5 mins for questions	Main Hall
14.00- 14.20	Mark Evans	The Bristol Baby: a reassessment of a juvenile plesiosaurian from the Pliensbachian (Early Jurassic) of Dorset, UK	15 mins + 5 mins for questions	Main Hall
14.20-14.40	Megan Jacobs David Martill	A new ichthyosaur (Reptilia, Ichthyopterygia) from the Late Jurassic Kimmeridge Clay Formation of Dorset, UK	15 mins + 5 mins for questions	Main Hall
14.40- 15.10		TEA & COFFEE		Main Hall
15.10-15.30	Luke Muscutt	The Hydrodynamics of Plesiosaurs	15 mins + 5 mins for questions	Main Hall
15.30 – 15.50	Emma Nicholls	Enigmatic ichthyosaurs of the ‘lost’ Bennett Collection	15 mins + 5 mins for questions	Main Hall
15.50-17.00		POSTERS AND EXHIBITORS		Small Hall

Date 11/09/2019

Time	Event : Cowes Yacht Haven	Speaker
18.00- 19.30	Annual Fox Lecture (PUBLIC) Main Hall	Don Henderson “Alberta dinosaurs and the Royal Tyrrell Museum of Palaeontology”

Date 12/09/2019

Session 2 MAMMALS

Chair Steve Sweetman

9.30 – 9.50	Kim Chandler Rachel O Meara Emily Rayfield Pamela Gill	Determinate growth and diphyodonty of early mammaliaform <i>Morganucodon watsoni</i>	15 mins + 5 mins for questions	Main Hall
9.50-10.20	Sophie Regnault SE Pierce	Validating an Echidna (Mammalia: Monotremata) Musculoskeletal Model to Inform Mammalian Forelimb Evolution	15 mins + 5 mins for questions	Main Hall
10.20- 10.40	Jerry Hooker	What is a nyctithere? The relevance of Hampshire Basin finds to an answer	15 mins + 5 mins for questions	Main Hall
10.40- 11.00		TEA & COFFEE		Main Hall
11.00-11.20	Vicki Wedel	Validating the Use of Dental Cementum Increment Analysis to Determine Season-at-Death in Humans and Other Mammals	15 mins + 5 mins for questions	Main Hall
11.20-11.40	Mathew Wedel	How to Make New Discoveries in (Human) Anatomy	15 mins + 5 mins for questions	Main Hall

Date 12/09/2019

Session 3 PTEROSAURS

Chair Colin Palmer

Time	Speaker	Title	Note 1	Location
11.40-12.00	Rachel Belben Dave Unwin	Quantitative taphonomy – they key to understanding the pterosaur bauplan?	15 mins + 5 mins for questions	Main Hall

12.00- 12.20	James McPhee Nizar Ibrahim Alex Kao David M. Unwin Roy Smith David Martill	Edentulous pterosaurs from the Cretaceous Kem Kem beds of Southern Morocco: a new genus and species and an upper jaw for <i>Alanqa saharica</i>	15 mins + 5 mins for questions	Main Hall
12.20-12.40	David Unwin David Martill	When the Mesozoic got ugly – naked, hairless, (and featherless) pterosaurs	15 mins + 5 mins for questions	Main Hall
12.40-13.00	David Martill Cariad Williams Alexander Kau William Keeble Nizar Ibrahim	Internal radial spoke-like trabeculae resist torsion and bending in hyper-elongate azhdarchid pterosaur vertebrae	15 mins + 5 mins for questions	Main Hall
13.00-14.00		LUNCH		Main Hall

Date 12/09/2019

Session 4 FISH

Chair Tom Challands

Time	Speaker	Title	Note 1	Location
14.00-14.20	Jeff Liston Claire Dobson Anthony Maltese E.W. Misty Paig-Tran	Interpreting vortices inside Mesozoic suspension-feeding mouths: a total perspective extrapolation from gill raker evidence	15 mins + 5 mins for questions	Main Hall
14.20-14.40	Richard Twitchett Mitali Sharma Sinjini Sinha Emma Bernard	Body size change in Chalk Sea sharks	15 mins + 5 mins for questions	Main Hall

Date 12/09/2019

Session 5 MISCELLANY

Chair Pamela Gill

Time	Speaker	Title	Note 1	Location
14.40-15.00	Graeme Lloyd	Building a new approach to visualising the topology space of all possible phylogenetic trees	15 mins + 5 mins for questions	Main Hall
15.00- 15.20		TEA & COFFEE		Main Hall
15.20-15.40	Rebecca Lakin	The relationships between reproductive characters in extant crocodylians, and first evidence for a latitudinal size gradient	15 mins + 5 mins for questions	Main Hall

15.40-16.00	Catherine Strickson	No Small Feet: Heteropody & Mass Distribution in Tetrapods	15 mins + 5 mins for questions	Main Hall
16.00-16.20	Richard Butler Sterling J. Nesbitt Vincent Fernandez David J. Gower	<i>Pallisteria angustimentum</i> ' from the Middle Triassic of Tanzania and the Triassic rise of archosaurs	15 mins + 5 mins for questions	Main Hall

Date 12/09/2019

Session 6 POSTERS AND EXHIBITORS

Time			Note 1	Location
16.20- 17.30				Small Hall

Date 12/09/2019

Time	Event	Venue
19.00- 21.00	Annual Auction	Cowes Yacht Haven

Date 13/09/2019

Session 7 DINOSAURS 1

Chair Dave Martill

Time	Speaker	Title	Note 1	Location
9.30 – 9.50	Nick Longrich Xabier Pereda Suberbiola R. Alexander Pyron Nour-Eddine Jalil	The first duckbill dinosaur (Hadrosauridae:Lambeosaurinae) from Africa a in dinosaur biogeography and the role of oceanic dispersal	15 mins + 5 mins for questions	Main Hall
9.50 – 10.10	Robert Smyth Nizar Ibrahim David Martill	How many spinosaur taxa are there in the Kem Kem beds of Morocco?	15 mins + 5 mins for questions	Main Hall
10.10-10.30	Mike Taylor Matt Wedel	The past, present and future of Jensen's Big Three sauropods	15 mins + 5 mins for questions	Main Hall
10.30-11.00		TEA & COFFEE		Main Hall

Date 13/09/2019

Session 8 DINOSAURS 2

Chair Richard Butler

Time	Speaker	Title	Note 1	Location
11.00 – 11.20	David Norman	" <i>Scelidosaurus</i> " - a poorly known and misunderstood ornithischian	15 mins + 5 mins for questions	Main Hall
11.20- 11.40	Robert Mansergh Paul Upchurch Susannah Maidment	The radiation and biogeography of the Ceratopsidae (Dinosauria: Ornithischia)	15 mins + 5 mins for questions	Main Hall
11.40-12.00	Femke Holwerda	Cetiosaur diversity in the Middle Jurassic of the UK	15 mins + 5 mins for questions	Main Hall
12.00- 13.00		LUNCH		Main Hall

Date 13/09/2019

Session 9 BIRDS, DINOSAURS, AND CHEMISTRY

Chair John Nudds

Time	Speaker	Title	Note 1	Location
13.00 – 13.20	Tiffany Slater Maria McNamara Nick Edwards Sam Webb	Investigating the biochemical fidelity of fossil feathers using sulphur speciation	15 mins + 5 mins for questions	Main Hall
13.20 –13.40	Carolina Karoullas Robert Nudds	Humeral Head Shape: A Predictor for Avian Flight Capability?	15 mins + 5 mins for questions	Main Hall
13.40-14.00	Maria McNamara Richard Unitt Sam Webb Pascal Godefroit Sofia Sinita Danielle Dhouailly Mike Benton	Chemistry and ultrastructure of feathers and skin in an ornithischian dinosaur	15 mins + 5 mins for questions	Main Hall
14.00- 14.20	Valentina Rossi Maria McNamara Sam Webb	Probing melanosome chemistry using experiments and fossils		
14.20-15.00		TEA & COFFEE		Main Hall

Date 13/09/2019

Session 10 DINOSAURS 3

Chair Maria McNamara

Time	Speaker	Title	Note 1	Location
15.00 – 15.20	Jessie Atterholt Mathew Wedel	Neural Canal Ridges: A Novel Osteological Correlate of Post-Cranial Neurology in Dinosaurs	15 mins + 5 mins for questions	Main Hall
15.20- 15.40	Susannah Maidment Robert Mansergh Richard Butler	Exploring hypotheses of Late Cretaceous Western Interior endemism using phylogenetically-corrected Biogeographic Connectedness	15 mins + 5 mins for questions	Main Hall
15.40-16.00	Jeremy Lockwood	Concluding remarks		Main Hall

Date 13/09/2019

Time	Event	Venue	Note 1	Location
19.00- 22.00	Annual Dinner	Cowes Yacht Haven	Host: Dave Martill & Jeremy Lockwood	Main Hall

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