

Programme—Monday

09:00–9:30	Welcome		
09:30–10:30	Plenary Talk. Biogeography meets genomics—new trends in data analysis of biogeographic data, by Gonzalo Giribet		M–P–1
10:30–11:00	Morning Break		
11:00	<i>eTools for Taxonomy—Concurrent (I), The Braggs</i> p17	<i>Parasites, crustaceans and vertebrates—Concurrent (II), Horace Lamb</i> p21	
11:00–11:15	Barbara Waterhouse , Bringing it all together—role of eTools in frontline biosecurity surveillance	M–1–2	Olivia Davies , Are parasites as problematic for biologists as they are for their hosts? student M–2–2
11:15–11:30	Mark McGrouther , Australasian Fishes—a new citizen science resource	M–1–3	Dan Huston , Integrated taxonomic investigation of the Eneverteridae, a curious lineage of parasitic flatworms, reveals undiscovered diversity and provides new ecological insights student M–2–3
11:30–11:45	Zoe Knapp , The Flora of Australia—we've taken the covers off	M–1–4	Kara Layton , Exploring an undocumented diversification of parasitic gastropods in Antarctica student M–2–4
11:45–12:00	Judy West (Chair) , Flora of Australia eFlora—National Launch	M–1–5	Amelia Lewis , Uncovering the diversity of deep-sea crustaceans (Isopoda and Amphipoda) from the Great Australian Bight student M–2–5
12:00–12:15	cont.		Carlos Pavón-Vázquez , Of volcanoes and lizards—phylogenomics and biogeography in a group of Mexican skinks student M–2–6
12:15–12:30	cont.		Linette Umbrello , Small marsupials, big data—population genomics reveals structure in desert-dwelling Dasyuridae student M–2–7
12:30–13:15	Lunch		
13:15–14:10	Kevin Thiele , The Biosystematics and Taxonomy Plan discussion—Plenary, The Braggs		M–P–8
14:10–14:25	Gillian Brown , ALERT lessons from a biosecurity disaster		M–P–9
	move into concurrent sessions		
14:30	<i>Systematics in the sea—Concurrent (I) The Braggs</i> p29	<i>Stygo fauna and groundwater—Concurrent (II) Horace Lamb</i> p32	
14:30–14:45	Nicole Foster , Taxonomic challenges to an independent evidence base for assessing coastal environmental change through time student M–1–10	Giulia Perina , Remarkable biodiversity of subterranean Bathynellidae (Bathynellacea, Crustacea) in the north of Western Australia and the status of the <i>Bathynella</i> genus student M–2–10	
14:45–15:00	Charlotte Nitschke , Biodiversity and conservation of sea snakes (Hydrophiinae) in Western Australia student M–1–11	Josephine Hyde , Phylogenetic revision of subterranean Dytiscidae from Western Australia—sister species validate sympatric or parapatric speciation underground student M–2–11	
15:00–15:15	Kor-jent van Dijk , Finding solutions to 'complex' seagrass relationships M–1–12	Patrick Fahey , The systematics of <i>Chloris</i> in Australia—colonisation events and a newly discovered Artesian spring endemic student M–2–12	
15:15–15:45	Afternoon Break		
15:45	<i>Challenges and conservation—Concurrent (I), The Braggs</i> p35	<i>Systematic botany—Concurrent (II), Horace Lamb</i> p40	
15:45–16:00	Haylee Weaver , The state of taxonomy and systematics in Australia—results of the 2016 Survey of Taxonomic Capacity M–1–13	Tim Collins , Integrative taxonomic revision of <i>Xerochrysum</i> and <i>Coronidium</i> (Asteraceae: Gnaphalieae) student M–2–13	
16:00–16:15	Russell Barrett , Order out of chaos—have we reached a turning point in botanical taxonomy? M–1–14	Tim Hammer , The noble and the exalted—resolving the relationships within <i>Ptilotus nobilis</i> (Amaranthaceae) student M–2–14	
16:15–16:30	Barry Richardson , Subspecies definitions and conservation legislation M–1–15	Mike Crisp , <i>Callitris</i> —a molecular phylogenetic chronicle of extinction, survival and rediversification M–2–15	
16:30–16:45	Alexander Schmidt-Lebuhn , The use of phylograms and chronograms in the identification of biodiversity hotspots M–1–16	Rismita Sari , The Phylogeny of Australian <i>Garcinia</i> (Clusiaceae) student M–2–16	
16:45–17:00	Michael Braby , Threatened species conservation—the need for national Action Plans of insects and other invertebrates M–1–17	Kerry Gibbons , The <i>Hedyotis-Oldenlandia</i> complex (Spermacoceae, Rubiaceae) in Australia—polyphyly, multiple dispersals and new genera in an Asian-Australian-Pacific lineage M–2–17	
17:00–17:15	SASB AGM and business meeting		Francis Nge , Biogeographic history and evolution of the two Australian temperate floras student M–2–18
17:15–17:30	cont.		Allison Mertin , Phylogenomic insights into the evolution of Greenhood orchids (subtribe Pterostylidinae) in time and space student M–2–19
17:30–18:00	SASB Distinguished Research Award, The rise and rise of systematics by Mark Harvey —Plenary, The Braggs		M–P–20

Programme—Tuesday

08:30–8:45	Housekeeping		
08:45–09:25	Keynote Talk. Can systematics evolve beyond its years? by Judy West —Plenary, Horace Lamb		T–P–1
	move into concurrent sessions		
09:30	<i>Asian–Australian biotic exchange—Concurrent (I), Horace Lamb p49</i>	<i>Insects—Concurrent (II), Benham p59</i>	
09:30–9:45	Paul Oliver , Crossing lines—a saurian perspective T–1–2	Ben Parslow , The systematics and host associations of the Australian parasitic wasp genus <i>Gasteruption</i> (Hymenoptera: Gasteruptionidae) student	T–2–2
09:45–10	Emily Roycroft , Murid rodents as a model for decoding the genomic basis of adaptive radiations across Indo-Australia student T–1–3	Erinn Fagan-Jeffries , Using high-throughput amplicon sequencing to explore the biodiversity of Australian microgastrine parasitoid wasps student	T–2–3
10:00–10:15	Damien Esquerré , Phylogenomics and biogeography of the pythons—a Trans-Wallacean clade of giant snakes student T–1–4	Rung-Juen Lin , The immature stages and biology of <i>Rotunda rotundapex</i> (Miyata & Kishida) (Lepidoptera: Bombycidae) student	T–2–4
10:15–10:30	Scott Groom , Origins of the Australian bee fauna T–1–5	James Dorey , Drivers of speciation in Fijian <i>Homalictus</i> —past climate cycles and geographic isolation student	T–2–5
10:30–11:00	Morning Break		
11:00–11:15	Katharina Nargar , Australasian orchid diversification in time and space—a phylogenomic study T–1–6	Yuchi Lin , Multiple losses of defence hairs in cup moths (Lepidoptera: Limacodidae) student	T–2–6
11:15–11:30	Elizabeth Joyce , Origins of the northern Australian flora—role of the Sunda-Sahul floristic exchange student T–1–7	Mark Stevens , Revision of ‘giant’ Collembola within Neauridae reveals convergent evolution of character traits and lack of support for Uchidanurinae T–2–7	
11:30–11:45	Sarah Mathews , The biogeography of Indonesian forests T–1–8	Craig Edwards , Species delimitation and description of scale insects (Eriococcidae) that induce galls on <i>Melaleuca</i> (Myrtaceae) student	T–2–8
11:45–12:00	Lalita Simpson , Asian–Australasian biotic exchange—phylogenomic insights from the mega diverse genus <i>Bulbophyllum</i> (Orchidaceae) student T–1–9	Liz Milla , Exploring the possible co-evolution of <i>Boronia</i> (Rutaceae) and their pollinator moths (Heliozelidae, Lepidoptera) student	T–2–9
12:00–12:15	Andrew Hugall , Crossing lines—steps towards synthesis T–1–10	Alicia Toon , Population structure of <i>Macrozamia</i> cycads and their <i>Cycadophthrips</i> pollinators—congruence in a plant-pollinator obligate mutualism T–2–10	
12:15–12:30	Charles Foster , Plastome-scale sequencing and a methodological arsenal begin to unravel the evolutionary history of <i>Pimelea</i> (Thymelaeaceae) student T–1–11	Juanita Rodriguez , The evolution of Müllerian mimicry in Australian velvet ants T–2–11	
12:30–13:15	Lunch		
13:15–13:55	Keynote Talk. Systematics and other collections-based sciences in the Anthropocene, by Kristofer Helgen —Plenary, Horace Lamb		T–P–12
	move into concurrent sessions		
14:00	<i>Plant systematics—Concurrent (I), Horace Lamb p70</i>	<i>Advances in Australasian arachnology—Concurrent (II) Benham p73</i>	
14:00–14:15	Todd McLay , Fine scale genetic variation and introgression in ash eucalypts in the highlands of Victoria T–1–13	Kym Abrams , Surprising schizomids (Arachnida)—a <i>Draculoides</i> in disguise and other oddities T–2–13	
14:15–14:30	Gillian Brown , Taxonomic clarification of the critically endangered <i>Notelaea ipsviciensis</i> T–1–14	Barbara Baehr , Australian Arachnology advanced through European heritage—the origin of spider research in Australia and the importance of the Godeffroy Collection for current spider taxonomy and diversity assessments T–2–14	
14:30–14:45	Patricia Lu-Irving , Untangling the systematics and invasion history of <i>Lantana camara</i> T–1–15	Mark Harvey , Phylogenetic relationships of the Australian open-holed trapdoor spiders (Nemesiidae: Anaminae)—a multi-locus molecular analysis resolves generic classification T–2–15	
14:45–15:30	Posters and Afternoon Break		p113
15:30–15:45	ASBS AGM and business meeting—Concurrent (I), Horace Lamb	Michael Rix , Systematics, biogeography and conservation of Australia’s spiny trapdoor spiders (Idiopidae)—progress and prospects T–2–16	
15:45–16:00	cont.	Cor Vink , The spider tree of life—what does it mean for the New Zealand fauna? T–2–17	
16:00–16:15	cont.	Jeremy Wilson , Spiny trapdoor spiders (<i>Euoplos</i>) of eastern Australia—broadly sympatric clades are coupled with burrow architecture and male morphology student T–2–18	
16:15–16:30	cont.	Renan Santana , Phylogeny of the Eastern Australian tarantula student T–2–19	
16:30–17:30	Nancy T. Burbidge Medal Presentation and Address		T–P–20

Programme—Wednesday

08:30–8:45	Housekeeping		
08:45–09:25	Keynote Talk. Out of sight, out of mind—marine invertebrate systematics and conservation, by Nerida Wilson —Plenary, Horace Lamb		W–P–1
	move into concurrent sessions		
11:00	<i>Stygofauna and groundwater—Concurrent (I), Horace Lamb</i> p82	<i>Palaeobotany and systematic botany—Concurrent (II), Benham</i> p92	
09:30–9:45	William Humphreys , Towards subterranean fauna conservation in arid Australia—realisation, establishment and consolidation	W–1–2	Greg Jordan , Palaeoendemics W–2–2
09:45–10:00	Michelle Guzik , Biodiversity assessment of a groundwater community in the Pilbara, Western Australia	W–1–3	Vera Korasidis , A Cenozoic southern hemisphere peatland rainforest record of climate, floral evolution and fire student W–2–3
10:00–10:15	Steve Cooper , Systematics, evolution and conservation management of troglofauna from the Yilgarn calcretes	W–1–4	Anne-Marie Tosolini , Eocene ecosystems determined from fossil plant–insect interactions from Anglesea, Victoria, Australia W–2–4
10:15–10:30	Grant Hose , Preliminary analysis of metabarcoding for the assessment of stygofauna assemblages	W–1–5	Andrew Rozefelds , What role can palaeobotany play in integrating systematics for conservation and ecology? W–2–5
10:30–11:00	Morning Break		
11:00–11:15	Emma Matthews , Identifying short range endemic Parabathynellidae (Crustacea:Bathynellacea) and stygofauna in the Pilbara and Browns Range, Western Australia student	W–1–6	John Conran , Cretaceous to Recent araucarian forests in New Zealand—evidence from pollen, wood, leaves, amber and biotic inclusions W–2–6
11:15–11:30	Danielle Stringer , Taxonomy and sequence capture of <i>Haloniscus</i> isopods from threatened arid zone groundwater habitats	W–1–7	Bob Hill , Can plant fossil data inform future environmental options? W–2–7
11:30–11:45	Rachael King , Where to draw the line? Defining stygobitic amphipod species for conservation and management	W–1–8	Myall Tarran , The fossil record of <i>Syzygium</i> and <i>Metrosideros</i> (Myrtaceae) in the Cenozoic of South Eastern Australia student W–2–8
11:45–12:00	Barbara Langille , Molecular evolution of ‘eye genes’ in blind beetles—evidence for neutral evolution of phototransduction genes student	W–1–9	Keelin Smith , Species delimitation and morphometric analysis of <i>Anthotium humile</i> (Goodeniaceae) student W–2–9
12:00–12:15	Kurt Petersen , The ecological advantage of heterospory in <i>Selaginella</i> and <i>Isoetes</i> student	W–1–10	Bill Barker , The diversification of Australian <i>Lindernia</i> (Linderniaceae) W–2–10
12:15–12:30	Nik Tatarnic , Sexual conflict and coevolution of sexually antagonistic armature in the ripple bug genus <i>Nesidovelia</i> (Veliidae)	W–1–11	Peter Wilson , Resolution of taxonomic limits in <i>Haloragis serra</i> and the <i>Haloragis exalata</i> species complex W–2–11
12:30–13:15	Lunch		
13:15–13:55	Shelley James , Herbarium data—global biodiversity and societal botanical needs for novel research—Plenary, Horace Lamb		W–P–12
	move into concurrent sessions		
14:00	<i>Systematic botany and methods—Concurrent (I), Horace Lamb</i> p103	<i>Pollination and conservation botany—Concurrent (II), Benham</i> p108	
14:00–14:15	Matt Renner , Phylogenetic niche conservatism and release in <i>Acacia</i>	W–1–13	Hervé Sauquet , The ancestral flower of angiosperms and its early diversification W–2–13
14:15–14:30	Matt Buys , Phylogenomics and island radiation—applying Anchored Hybrid Enrichment to <i>Leptospermum scoparium</i> (Myrtaceae)	W–1–14	Jennifer Tate , Host specificity in the New Zealand mistletoe <i>Korthalsella salicornioides</i> (Viscaceae) W–2–14
14:30–14:45	Nathalie Nagalingum , Can NGS data resolve relationships in a recently-radiated genus? An example using the cycad genus <i>Cycas</i>	W–1–15	Juliet Wege , Saving our ‘Attractions’—vascular plant taxonomy informing conservation efforts in Western Australia W–2–15
14:45–15:00	Lars Nauheimer , Plastome structure and phylogenomics in Nymphaeales	W–1–16	Bronwen Keighery , Systematics and the conservation of Perth’s vascular native flora W–2–16
15:00–15:15	Ed Biffin , Probing the State’s flora—a hybrid enrichment approach for vascular plants	W–1–17	Greg Keighery , Rainbows end—orchid systematics and conservation in south-west Western Australia W–2–17
15:15–15:45	Afternoon break		
15:45–16:15	Wrap up and prizes—Horace Lamb		
16:15–16:45	SASB incoming council meeting		