

**10<sup>th</sup> Invertebrate Biodiversity & Conservation / Society of Australian Systematic Biologists  
4 – 7 December 2011 Draft Program (Workshops on 8 December)**

**Monday 5 December**

Day	Time	Theme	Speaker	Title
Mon 5	0900-0910	Opening		Welcome
	0910-0950		Judy West	Keynote: Protected areas – invertebrate systematics and discovery
	0950-1030	Tropical	Vojtech Novotny	Keynote: Investigations into inordinate complexity of invertebrate food webs in tropical rainforests
	1030-1100		Morning tea	
	1100-1140	Tropical	Julian Caley	Keynote: Global invertebrate diversity on coral reefs: the incredibly diverse and the not so diverse
	1140-1155	Tropical	Matt Krosh	Spatial population genetic structure reveals strong natal site fidelity in <i>Echinocladus martini</i> (Diptera: Chironomidae) in northeast Queensland, Australia
	1155-1210	Tropical	Samuel Brown	Phylogeography of the sap beetle <i>Carpophilus oculatus</i> (Coleoptera: Nitidulidae) in the South Pacific
	1210-1225	Tropical	Nicole Gunter	Extraordinary richness of <i>Ceratomyxa</i> (Myxozoa) infecting Australian Coral Reef fishes
	1225-1240	Tropical	Akihiro Nakamura	Forest biodiversity as a key to monitoring responses to climate change across latitudes in China and Australia
	1240-1255	Tropical	Andrew Hamilton	Speciometry: the evolving discipline of global species richness estimation
	1255-1400		Lunch	
	1400-1415	Tropical	Sara Pinzon-Navarro	Estimating biodiversity of seed-feeding insects: the Neotropical case
	1415-1430	Tropical	Nigel Stork	Assembling the pieces of the tropical forest insect diversity jig-saw puzzle
	1430-1445	Tropical	Open Discussion	OPEN DISCUSSION
	1445-1500	Contributed	Ian Beveridge	Diversity of nematode parasites of macropodid marsupials
	1500-1515	Contributed	Lars Krogmann	Australia's forgotten spider hunters - Systematics and biodiversity of Pompilidae (Hymenoptera)
	1515-1530	Contributed	Michael Rix	Australian Assassins: phylogeny, diversity and biogeography of the Australian assassin spiders (Araneae: Archaeidae)
	1530-1600		Afternoon tea	
	1600-1615	Contributed	Alejandro Velasco	Diversity of Eastern Antarctic Meiofauna
	1615-1630	Contributed	Gary Taylor	Systematics and co-speciation between the Australian trioqid fauna (Hemiptera: Psylloidea) and the Casuarinaceae
	1630-1645	Contributed	Andy Xiaobei Wang	Host-tracking with a dart: life history and diversity of the dart-tailed parasitoid <i>Cameronella</i> (Hymenoptera: Pteromalidae) at three trophic levels - parasite, scale insect host & Eucalyptus
	1645-1700	Contributed	Yen-Po Lin	Host-plant diversity might drive species richness in coccids (Hemiptera: Coccoidea: Coccidae)

	1700-1715	Contributed	Timothy Moulds	Preliminary notes on the cavernicolous arthropod fauna of Judbarra Gregory Karst Area, northern Australia.
	1715-1730	Contributed	Leigh Nelson	The biology of the unique mutualism between gall-forming flies and nematodes
	17:30	<b>Society of Australian Systematic Biologists AGM</b>		

## Tuesday 6 December

Tue 6	0830-0910	Species	Lyn Cook	Keynote: Whether we can, in a scientific framework, reject previous species taxonomies
	0910-0925	Species	Michael Braby	The subspecies concept: has its application in taxonomy and conservation biology outlived its usefulness?
	0925-0940	Species	Michelle Guzik	Using genetic divergences to estimate species boundaries in Australian subterranean invertebrates
	0940-0955	Species	Sophie Harrison	Exploring new species diversity among troglobitic pseudoscorpions of the Yilgarn and Pilbara Regions, Western Australia
	0955-1010	Species	Mark Harvey	Mesh or mush? Morphology and molecules don't match in the pseudoscorpion genus <i>Austrochthonius</i> (Pseudoscorpiones: Chthonioidea)
	1010-1025	Species	Kathryn S. Sparks	Morphology, molecules and Monomorium: surprising or suspect species diversity in a large and taxonomically difficult genus of ants
	1025-1055		Morning tea	
	1055-1110	Species	Leo Joseph	Species in principle and in practice - morphological and genetic approaches to defining species boundaries – some perspectives from ornithology
	1110-1125	Species	John Wilkins	Speacies: Finding peace in species concepts
	1125-1140	Species	Nu-Wei V. Wei	Nereididae (Annelida; Phyllodocida) from northern Australian coral reefs contain many cryptic species
	1140-1155	Species	Rachael King	Name-calling in modern times: defining freshwater amphipod species within a diversely distributed family
	1155-1210	Species	Penelope Mills	Chromosomal evolution in a karyotypically diverse group of scale insects
	1210-1225	Species	Catherine Car	Up the anti: paradoxosomatid millipedes in Western Australia
	1225-1240	Species	Penelope Greenslade	Molecules inform morphology: five fold increase in <i>Friesea</i> species (Collembola) in Antarctica
	1240-1255	Species	*Nicole Gunter	Multigene phylogeny of checkered beetles (Coleoptera: Cleridae)
	1255-1400		Lunch	
	1400-1415	Species	Annette Koenders	European cryptic species of the <i>Eucypris virens</i> species complex (Ostracoda, Crustacea) have established populations in Western Australia

	1415-1430	Species	Kittel, R.	The phylogeny and species diversity of Australian chelonine wasps (Hymenoptera: Braconidae)
	1430-1445	Species	Claudia Arango	Colours, DNA and a complex species-complex of Sea Spiders (Arthropoda: Pycnogonida) from Tasmania
	1445-1500	Species	Open discussion	OPEN DISCUSSION
	1500-1515	Contributed	*Daniel Bickel	Goodbye Gondwana, Part 2: Extinction and the problem of “Pseudo-Gondwanic” distributions
	1515-1530	Contributed	Vanesa Duran Racero	Biodiversity, biogeography and evolutionary history of giant springtails from Australia, New Zealand and New Caledonia
	1530-1600		Afternoon tea	
	1600-1615	Contributed	Yeates, David	Continent-wide conservation assessment using very large museum and herbarium specimen databases to drive advanced spatial modelling tools
	1615-1630	Contributed	Anna McCallum	Exploring Decapod diversity along Australia’s western continental margin (12° S – 35° S)
	1630-1645	Contributed	Skipton Woolley	Multispecies modelling of polychaete distributions along the Western Australian continental margin and congruence with other taxa
	1645-1700	Contributed	Andy Austin	Tracking host relationships among the parasitoid wasp superfamily Platygastroidea (Hymenoptera) using a new multi-gene phylogeny
	1700-1715	Contributed	Bryan Lessard	The biogeography, evolution and systematics of the austral horse fly genus <i>Scaptia</i> (Diptera: Tabanidae)
	1715-1730	Contributed		

### Wednesday 7 December

Wed 7	0830-0910	Biodiversity & Biosecurity	Ary Hoffmann	Keynote: Comparing the susceptibility of temperate and tropical insects to climate change: which are more susceptible?
	0910-0925	Biodiversity & Biosecurity	Michael Nash	Subalpine arthropod response to natural and experimental warming
	0925-0940	Biodiversity & Biosecurity	Stephen Cameron	Biogeography and conservation threats to the alpine roach, <i>Polyzosteria viridissima</i>
	0940-0955	Biodiversity & Biosecurity	Katayo Sagata	The effect of predicted temperature increase on ant-scale insect-plant interaction: the case of honeydew production and ant use
	0955-1010	Biodiversity & Biosecurity	Alan York	Burning our biodiversity: when is a fire regime “inappropriate”?
	1010-1025	Biodiversity & Biosecurity	Andrew Heaver	Insects and incendiaries: The ecology of invertebrates inhabiting flammable bark
	1025-1055		Morning tea	

1055-1135	Biodiversity & Biosecurity	Jenny Davis	Keynote: Resilience to a changing climate: what processes support wetland invertebrate community persistence ?
1135-1150	Biodiversity & Biosecurity	Karen Richards	The distribution and habitat characteristics of <i>Beddomeia</i> species (Hydrobiidae: Mollusca): findings from two catchments in production forest in northern Tasmania
1150-1205	Biodiversity & Biosecurity	Ka Hou Chu	High genetic divergence among populations of invertebrates in Hong Kong streams: Implications for biodiversity conservation of
1205-1220	Biodiversity & Biosecurity	*Tsuyoshi Kobayashi	Freshwater calanoid copepods (Crustacea): living in edges of lotic systems
1220-1235	Biodiversity & Biosecurity	Peter Langlands	Factors influencing the survival of a long-lived invertebrate (Araneae: Mygalomorphae) following fire
1235-1250	Biodiversity & Biosecurity	Don Sands	Invasive African grasses: Rising threats to Australian invertebrate biodiversity
1250-1400		Lunch	
1400-1440	Biodiversity & Biosecurity	Donald Hobern	Keynote: Using web infrastructure to support biodiversity research
1440-1455	Biodiversity & Biosecurity	Arnaud Costa	Dispersal and edge behavior of the bark beetle <i>Ips grandicollis</i> relative to its predator <i>Thanasimus dubius</i> in a red pine system
1455-1510	Biodiversity & Biosecurity	Nihara Gunawardene	Capturing invertebrate biodiversity on an offshore island: how to assess new additions to baseline species lists
1510-1525	Biodiversity & Biosecurity	Heloise Gibb	Habitat succession mediates competition from dominant red wood ants
1525-1555		Afternoon tea	
1555-1635	Biodiversity & Biosecurity	Tom Morley	Biotypism considerations of the lacy-winged seed fly <i>M. magnipalpis</i> and the boneseed leaf buckler mite <i>Aceria</i> sp., candidates for biological control of <i>C. monilifera</i> in Australia.
1635-1650	Biodiversity & Biosecurity	Nicolas Porch	1000 years of human impact on the insect faunas of Eastern Polynesia
1650-1705	Biodiversity & Biosecurity	Briony Norton	Melbourne's millipedes: the consequences of urbanisation for a local fauna
1705-1720	Biodiversity & Biosecurity		

## POSTERS

Penelope Greenslade  
Jessica Marsh  
Samuel Brown  
Rylan Shearn

Substrate preferences of Australian marine littoral Springtails  
Does restoration burning of fragmented plant communities lead to restoration of arachnid communities?  
spider: an R package for DNA barcoding  
Understanding the taxonomy and evolution of Australian *Bennelongia* (Ostracoda, Crustacea)

Kym Abrams

Mohammad Javidkar

Molecular phylogenetics and ancestral state reconstruction of the ancient subterranean Australian Parabathynellidae (Syncarida, Crustacea)  
Phylogeny and Morphological Diversity of Troglotic Isopods from Groundwater Calcretes of central Western Australia