





**The Australian Entomological Society's 41st AGM & Scientific Conference
Sunday 26 – Wednesday 29 and Special Interest Groups on Thursday 30 September 2010**

Information Disclaimer: The speakers, topics and times are correct at the time of publishing. In the event of unforeseen circumstances, the organisers reserve the right to alter or delete items from the Conference Program

Time	Sunday 26 September
From 16:00	Registration
17:00-19:00	Welcome reception (included in registration) Sponsored by  Department of Agriculture and Food 

Time	Monday 27 September	
from 07:30	Registration	
08:50–09:00	Welcome and housekeeping – Sonya Broughton	Barrett Lennard Room “A”
09:00-09:20	Opening address: Lyn Beazley Chief Scientist of Western Australia	
	Session 1a. Invasive species and biosecurity Sponsored by 	Chair: Jonathan Majer
09:20-09:50	Plenary address Shashi Sharma: Biosecurity in Western Australia	
09:50-10:10	Rohan Sadler: Integrating Regional Benefit-Cost Analysis of Management and Policy Options with a Spatio-Temporal Model of Queensland Fruit Fly Dynamics	
10:10-10:30	Kylie Anderson: Reconciling invasion success with spatial population genetic structure of the island sugarcane planthopper	
10:30-11:00	Morning Tea (Outgoing AES council meeting - Boardroom)	
	Session 1a Invasive species and biosecurity (contd) Chair: Jonathan Majer Barrett Lennard Room “A”	Session 1b Insect biology and ecology (I) Chair: Melinda Moir Barrett Lennard Room “B”
11:00-11:20	Brian Garms: The South African Citrus Thrips (<i>Scirtothrips aurantii</i>) in Queensland is highly polyphagous, and does not show strong preferences for its only recorded host in the field	James McCarthy: The role of bark beetles as vectors in the colonization of windthrown timber by fungi
11:20-11:40	Jianhua Mo: Infestation patterns and adult movement of Fuller's Rose Weevil (Coleoptera: Curculionidae) in Citrus Orchards	Jonathon Thompson: The effects of fire history on ant (Hymenoptera: Formicidae) communities in open eucalyptus forest in north-east Victoria
11:40-12:00	Mehmet Cakir: Safeguarding world wheat and barley production against Russian Wheat Aphid: an international germplasm evaluation and pre-breeding initiative	Alwin Sky: Exploring patterns in saproxylic invertebrate communities by rearing insects from different timber resources in the North Island of New Zealand
12:00-12:20	Valerie Caron: Invasive clonal organisms can adapt to local conditions despite low genotypic variation: the exotic willow sawfly <i>Nematus oligospilus</i> Förster in Australia	Rebecca Morley: The effect of light on bioluminescence in the glow-worm <i>Arachnocampa flava</i>

12:20-12:40	Lori Lach: Are invasive ants better plant-defense mutualists? A comparison of foliage patrolling and herbivory in sites with invasive yellow crazy ants and native weaver ants	Paul Cunningham: Insect perception and the recognition of floral odours
12:40-13:00	Dalva Queiroz: Eucalyptus psyllids in Brasil	Sarah Mansfield: Does Intra-specific Competition Affect the Probability of Parasitism?
13:00-14:00	Lunch – included in registration	
	Session 2a Threats to biodiversity and their amelioration Chair: Nihara Gunawardene Barrett Lennard Room “A”	Session 2b Insect systematics and insect biology Chair: Murray Fletcher Barrett Lennard Room “B”
14:00-14:30	Plenary address Raphael Didham: Invertebrate diversity and conservation: global threats, local challenges	Alan Flynn: Australians in Aotearoa - First record of the phytophagous subfamily Epilachninae (Coleoptera: Coccinellidae) in New Zealand, <i>Epilachna vigintioctopunctata</i> the 28 spotted ladybird
14:30-14:50	Janet Farr: Response of invertebrates to timber harvesting and post-harvest burning in jarrah (<i>Eucalyptus marginata</i>) forest in Mediterranean south-west Western Australia: findings from the FORESTCHECK monitoring project 2001-2006	Kipling Will: Phylogeny of the Pterostichine Carabid Beetles: Origins and diversity of the Western Australian fauna
14:50-15:10	Melinda Moir: Plant translocations and consequences for dependent insect assemblages	Michael Rix: Genes, trees and tiny spiders: progress and prospects in micropholcommatid systematics
15:10-15:30	Aaron Gove: Challenges in associating disturbance regimes with insect-mediated ecosystem functions	Mark Blackett: Redescription of the common Australian metallic-green tomato fly, <i>Lamprolonchaea brouniana</i> (Bezzi) (Diptera: Lonchaeidae)
15:30-16:00	Afternoon Tea  Sponsored by Ecologia	
	Session 2a Threats to biodiversity and their amelioration (contd) Chair: Nihara Gunawardene Barrett Lennard Room “A”	Session 2b Insect systematics and insect biology (contd) Chair: Murray Fletcher Barrett Lennard Room “B”
16:00-16:20	Andrew Barnes: The effects of forest edges on dung beetle communities in a tropical montane forest	Benjamin Fanson: Separating caloric and nutrient effects on lifespan and reproduction in the Queensland fruit fly (<i>Bactrocera tryoni</i>)
16:20-16:40	Linda Thomson: Assessing characteristics of vegetation to enhancing abundance and diversity of natural enemies in vineyard ecosystems	Felix Bianchi: Landscape functionality for the ecosystem service of pest control: identification of sink and source habitats for pests and natural enemies
16:40-17:00	Jonathan Majer: A retrospective comparison of the ecology of two seed-taking ant genera <i>Rhytidoponera</i> and <i>Melophorus</i>	Bryan Lessard: A multi-loci approach to resolve the phylogeny of the southern hemisphere horse fly genus <i>Scaptia</i> (Diptera: Tabanidae)
17:00-17:30	Presidential Address Barrett Lennard Room “A”	
17:45-18:45	Australian Entomological Society 41st Annual General Meeting	
	<ul style="list-style-type: none"> • <i>Informal Student Gathering</i> <i>Free evening – own arrangements for other delegates</i>	

Time	Tuesday 28 September	
08:00	Registration desk open	
	Session 3a Food security (1) Chair: Geoff Gurr Barrett Lennard Room "A"	Session 3b Diagnostics and infomatics Chair: Myron Zalucki Barrett Lennard Room "B"
08:30-09:00	Keynote Joseph Allotey: FOOD SECURITY: Challenges Imposed by Climate Change and Future Outlook	Beth Mantle: An assessment of the SatScan™ whole-drawer imaging system for management and virtual curation of the Australian National Insect Collection
09:00-09:20	Geoffrey Bedford: The rhinoceros beetle on Viti Levu, Fiji: effect of virus in managing beetle populations and palm damage	Michael Thompson: Remote Microscopy: Protecting Australian Plant Biosecurity
09:20-09:50	Catherine Gitau: Prospects for parasitoid-based biocontrol of <i>Zophiuma lobulata</i> (Hemiptera: Lophopidae), the cause of Finschhafen disorder of oil palm in Papua New Guinea	Glynn Maynard: PaDILing Along
09:50-10:10	Craig Maddox: Bugs and wasps and nuts	Robert Emery: Smartphones: Capturing insects, images and information
10:10-10:30	Kevin Powell: Grapevine phylloxera: a holistic approach to management of a re-emerging pest	Art Diggle: Web based map interface for PestFax
10:30-11:00	Morning Tea	
	Session 3a Food security (contd) Chair: Geoff Gurr Barrett Lennard Room "A"	Session 3b Diagnostics and infomatics (contd) Chair: Myron Zalucki Barrett Lennard Room "B"
11:00-11:20	Stewart Learmonth: Management of greenhouse whitefly <i>Trialeurodes vaporariorum</i> (Westwood) in tamarillos	Oonagh Byrne: National Reference Laboratory for Trogoderma
11:20-11:40	Peter Gregg: <i>Helicoverpa punctigera</i> (native budworm) - a puzzle in ecology and resistance management for transgenic cotton	Jeffrey Webb: Easing the burden – DNA barcoding, the taxonomic impediment, and the systematics of aquatic insects.
11:40-12:00	Ruth Huwer: Mangrove - important host for macadamia nutborer (<i>Cryptophlebia ombrodelta</i>) (Lepidoptera: Tortricidae) outside the orchard	Karel Lindsay: Climate change, range changes and biosecurity threats: a perspective based on the summerfruit industry in New Zealand.
12:00-12:20	Sonya Broughton: Evaluation of trap colours and semiochemicals on capture of thrips (Thysanoptera) and beneficial Insects	Arnaud Costa: The use of <i>in vitro</i> and electrophysiological techniques to characterize the feeding behaviour and nutritional requirements of the woolly apple aphid <i>Eriosoma lanigerum</i> (Hemiptera: Aphididae) and identify potential biotypes
12:20-12:40	Faheem Ahmad: Relative performance of <i>Tribolium castaneum</i> Herbst across resource types and in relation to resource structure	Piotr Trebicki: The impact of elevated CO ₂ on wheat, <i>Barley yellow dwarf virus</i> and its aphid vector <i>Rhopalosiphum padi</i>
12.40-13:00	Phil Carne Student Prize presentation	Barrett Lennard Room "A"
13:00-14:00	Lunch – included in registration	

	Session 4a Systematics and taxonomy Chair: David Yeates Barrett Lennard Room "B"	Session 4b Food security (II) contd Chair: Owain Edwards Barrett Lennard Room "A"
14:00-14:30	Plenary address Mark Harvey: Systematic research in the 21st century - what can be delivered and how?	Wee Tek Tay: Phosphine resistance in Australian <i>Cryptolestes</i> (Coleoptera: Laemophloeidae) species within an evolutionary genetics framework
14:30-14:50	Barbara Baehr: The distribution of the Goblin Spider Genus <i>Opopaea</i> in New Caledonia (Araneae: Oonopidae)	David Hunter: Biological factors that aid the use of <i>Metarhizium</i> for locust and grasshopper control
14:50-15:10	Stephen Cameron: A mitochondrial genomics phylogeny of the Isoptera	Sommer Jenkins: How detrimental are broad spectrum pesticides compared to 'soft' chemical options on beneficial invertebrates in broadacre crops?
15:10-15:30	Murray Fletcher: Review of the lophopid genus <i>Zophiuma</i> Fennah (Hemiptera: Fulgoromorpha: Lophopidae) in New Guinea	Alice Del Socorro: Potential role of a new attracticide for resistance management of <i>Helicoverpa</i> spp. in Bollgard® cotton
15:30-16:00	Afternoon Tea	
	Session 4a Systematics and taxonomy (contd) Chair: David Yeates Barrett Lennard Room "B"	Session 4b Food security (II) contd Chair: Owain Edwards Barrett Lennard Room "A"
16:00-16:20	Julia Mynott: Testing the species validity and larval associations of the alpine stoneflies, <i>Riekoperla</i> (Plecoptera: Gripopterygidae)	Hang Dao: Biological control of red scale on citrus in coastal New South Wales
16:20-16:40	Nicole Gunter: Multigene phylogeny of Australian leaf beetles (Coleoptera: Chrysomelidae)	Touhidur Rahman: Management of western flower thrips by integration of spinosad and predatory mites in three strawberry cultivars
16:40-17:00	Leigh Nelson: Investigating the coevolution of flies, nematodes and eucalypts	Aziz Ajlan: Occurrence of desert locust <i>Schistocerca gregaria</i> (Forskål) (Orthoptera: Acrididae) in Saudi Arabia
17:00-17:20	Ainsley Seago: Ladybirds revisited: Phylogenetics and classification of Coccinellidae	Alan Clift: <i>Siteroptes</i> (Acarina: Mesostigmata: Siteroptidae) Mites that farm fungi
19:00-22:30	CONFERENCE DINNER (includes welcome drink and then cash bar) <u>Sandalford Wines</u> Coaches depart The Vines at 18:30 returning at 22:30	

Time	Wednesday 29 September	
08:00	Registration desk open	
	Session 5a Insect biology and ecology Chair: Raphael Didham Barrett Lennard Room "A"	Session 5b Integrated pest management and grain production systems Chair: Gary Fitt Barrett Lennard Room "B"
08:30-09:00	Keynote: Lazaro Roque-Albelo "Dangerous travellers", Introduction and Dispersion of insect species by tourism boats in the Galapagos Islands, Ecuador	Keynote: Ary Hoffmann - IPM in Southern grains systems and why they are different
09:00-09:20	Nigel Andrew: Symbiosis as an incomplete solution to the nutritional problems of phloem sap feeding aphids	Nancy Schellhorn - Pest suppressive landscapes: understanding habitat function
09:20-09:40	James Ridsdill-Smith: Competitive exclusion in dung beetle communities	Darryl Hardie - Demonstrating the value of IPM in Australian grains
09:40-10:00	Terry Houston: Egg gigantism may be associated with absence of larval feeding in some Western Australian earth-borer beetles (Coleoptera: Scarabaeoidea, Bolboceratidae)	Greg Baker - Future Prospects for IPM for Diamondback Moth in Canola
10:00-10:30	Morning Tea (Incoming AES Council meeting and launch of "I Spy" – Insect Pest Identification training manual)	
	Session 5a Insect biology and ecology (contd) Chair: Raphael Didham Barrett Lennard Room "A"	Session 5b Integrated pest management and grain production systems (contd) Chair: Gary Fitt Barrett Lennard Room "B"
10:30-10:50	John Jennings: Novel use of a micro-CT scanner to trace larvae of wood boring wasps	Paul Umina - Development of insecticide resistance in key pests: a driver for IPM adoption?
10:50-11:10	Desley Tree: Seasonal sex - annual male production in a continuously breeding gall-inducing thripid (Thysanoptera)	Matt Hill - Pest invertebrates of grain farms: how climate change will influence IPM
11:10-11:30	Geoff Gurr: Ecological Engineering for Rice Pest Management in Tropical Asia	Sarina MacFadyen - Movement of predators and parasitoids between farm habitats – implications for IPM
11:30-11:50	David Merritt: eVisual Coupling Produces Synchronizes Daily Rhythms of Bioluminescence in Cave Glowworms	Peter Mangano - PestFax/PestFacts interactive newsletters – raising IPM awareness
11:50-12:10	Ary Hoffmann: Insect climate specialists: does genetics limit niche space?	Kate Charleston - IPM workshops for growers - lessons for R, D and E in the northern region
12:10-12:30	Beth Mantle: Cryoprotection in Australian alpine termites and cockroaches (Order Blattodea)	Myron Zalucki - Future Prospects for IPM
12:30	Conference close and presentation of prizes Barrett Lennard Room "A"	
13:00-14:00	Lunch	
Afternoon	<i>Tour or afternoon free</i>	

Time	Thursday 30 September
	Special Interest Groups:
	National Invertebrate Pest Initiative Planning Workshop (closed meeting to be held in the Boardroom)
	Open Entomology Course Meeting
	Postgraduate Student Meeting (for Postgraduates only)
13:00-14:00	Lunch

POSTER PRESENTATIONS			
#	Firstname	Surname	Speakers Paper Title
1	Funmilola	Omoya	Evaluation of some entomopathogenic bacteria potency isolated from insect cadavar on anopheles mosquito larvae in Nigeria
2	Ali	Rajabpour	Economic injury levels of <i>Thrips tabaci</i> Lindeman (Thysanoptera: Thripidae) on greenhouse cucumber in Khuzestan province
3	Clay	Sutton	Finding alternatives to chlorpyrifos for the control of Lightbrown apple moth (<i>Epiphyas postvittana</i>) eggs on nursery plants
4	Desley	Tree	<i>Mecynothrips hardyi</i> , a spore-feeding thrips (Thysanoptera)
5	Owain	Edwards	Genomic approaches to understanding karyotype evolution in the <i>Myrmecia pilosula</i> species complex of Australian ants
6	Mahmuda	Begum	A Comprehensive Study of Australian Insectary Industry and its Implications for Augmentative Biological Control
7	Michael	Shackleton	Using Genetic Data to Associate Life Stages of Holometabolous Insects
8	Andrew	Heaver	Burns, Beetles and Bark: Impacts of a new fire regime on bark invertebrates
9	Bill	Woods	New tools for eradicating pest incursions in urban & peri-urban areas
10	Maria	Sousa Majer	Simulation technology to predict the establishment and spread of Asian gypsy moth, <i>Lymantria dispar asiatica</i> (L.)
11	Anita	Lyons	Remote Microscopy: Protecting Australian Plant Biosecurity No.1
12	Sonya	Broughton	Clarification of the relationship between thrips species and fruit damage
13	Fazila	Yousuf	Protecting Pine Plantations from Exotic Pests and Climate Change
14	David	Merritt	Entomology Curriculum Australia: Update 2010
15	Mehmet	Cakir	Overview of an international Russian Wheat Aphid Workshop towards safeguarding Australia's wheat and barley crops
16	Manjree	Agarwal	Eradication of Eucalyptus Weevils, <i>Gonipterus scutellatus</i> (Gyllenhal) in Apples by Ethyl Formate
17	Modika	Perera	Scanning Electron Microscopic analysis of plant surface structures of aphid resistant and susceptible modern lupin cultivars
18	Nadine	Guthrie	Patterns of Richness: ground-dwelling beetles of the Pilbara
19	Michael	Thompson	Remote Microscopy: Protecting Australian Plant Biosecurity No.2
20	James	Young	Insect silks—one name many materials—an example from the Diptera
21	John	Nielsen	Geospatial data predicts high risk ports for Asian gypsy moths, <i>Lymantria</i> spp. (Lepidoptera: Lymantridae)
22	Dalva	Queiroz	A new eriophyoid mite species (Acari: Eriophyoidea) damaging Eucalyptus wandoo in Western Australia
23	Ginger	Korosi	Grape Phylloxera (<i>Daktulosphaira vitifoliae</i> Fitch) resistance screening under controlled conditions
24	Masih	Razmjoo	Host stage preference of <i>Nabis Palifer</i> (Hete, Nabidae) to different instars nymphs of <i>Lygus gemellatus</i> (Hete, Miridae) on Lucerne