

**SECTION 4****Forest Entomology**

CONVENORS: Andrew Liebhold (USA), Michael J. Wingfield (RSA) and Dan Robison (USA)

**10 July 2008**SESSION NO. **2**Symposium Reference No. **4.04** **Use of Molecular Techniques to Identify and to Trace the Origin and Spread of Invasive Forest Insects** Room No: MR 11E

Symposium Organisers: Joseph Elkinton (USA), Nancy Gillette (USA) &amp; Bernard Slippers (RSA)

Order	Start	Abstract No.	Presentation Title	Presenting Author
1	09:00	1356	<b>Single locus molecular markers can give a misleading trace of the origin and spread of species</b> Authors Felix Sperling	Felix Sperling
2	09:30	43	<b>DNA barcoding reveals the area of origin of the highly invasive horse chestnut leaf-miner <i>Cameraria ohridella</i></b> Authors Carlos Lopez-Vaamonde Romain Valade Ferenc Lakatos	Carlos Lopez-Vaamonde
3	09:45	78	<b>Tracing the origins of the invasive maritime pine bast scale <i>Matsucoccus feytaudi</i> in Corsica and Italy: use of mitochondrial and microsatellite markers</b> Authors Carole Kerdelhué Christian Burban	Carole Kerdelhué
4	10:00	576	<b>Use of molecular markers to identify cryptic species or complexes of sibling species in invasive or potentially invasive conifer pest insects</b> Authors Géraldine Roux-Morabito Alain Roques Marie-Anne Auger-Rozenberg	Géraldine Roux-Morabito
5	10:15	1609	<b>Patterns of introduction of <i>Pinus</i> and <i>Eucalyptus</i> pests in South Africa compared using mitochondrial DNA sequence data</b> Authors Bernard Slippers Brett P. Hurley Ryan Nadel	Bernard Slippers

SESSION NO. **3**Symposium Reference No. **4.011** **Tea Break** Room No: Hall 3ABC

Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	10:30	0	<b>Tea Break</b> Authors	Tea Break

SESSION NO. **4**Symposium Reference No. **4.04** **Use of Molecular Techniques to Identify and to Trace the Origin and Spread of Invasive Forest Insects** Room No: MR 11E

Symposium Organisers: Joseph Elkinton (USA), Nancy Gillette (USA) &amp; Bernard Slippers (RSA)

Order	Start	Abstract No.	Presentation Title	Presenting Author
6	11:00	1623	<b>Sympatric occurrence of diverged mtDNA lineages of <i>Pityogenes chalcographus</i> (Coleoptera: Scolytinae) in Europe</b> Authors Dimitrios Avtzis Wolfgang Arthofer Christian Stauffer	Dimitrios Avtzis
7	11:15	1665	<b>Phylogeography as a tool to trace the origin of expanding populations of the pine processionary moth in the Mediterranean area</b> Authors Carole Kerdelhué Mauro Simonato Andrea Battisti	Andrea Battisti
8	11:30	1755	<b>DNA analysis to determine the origin of winter moth in North America and hybridization with its congener <i>Bruce spanworm</i></b> Authors Joseph Elkinton George Boettner Marinko Sremac	Joseph Elkinton
9	11:45	1782	<b>Molecular phylogenetics and phylogeographic analysis of the Australian termite genus <i>Coptotermes</i></b> Authors Haidi Badawi	Haidi Badawi
10	12:00	2030	<b>Detection of the pine wilt disease nematode through molecular markers</b> Authors Sibao Wang Zhihua Zhou Yongping Huang	Yongping Huang
11	12:15	2185	<b>Population genetics of the eucalypt weevil; diversity and origin of Western Australian introductions</b> Authors Tendai Mapondera Mamoru Matsuki Treena Burgess	Treena Burgess

SESSION NO. **5**Symposium Reference No. **4.022** **Lunch Break & Posters** Room No: Hall 3ABC

Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	12:00	0	<b>Lunch Break &amp; Posters</b> Authors	Lunch Break & Posters

SESSION NO. **6**

Symposium Reference No. <b>4.05</b>		<b>Ecological and Conservation Implications of Linkage between Arthropod Biodiversity and Forestry Practices</b>		Room No: MR 11E
Symposium Organisers:		John Spence (Canada), Jari Niemelä (Finland) & Johan Kotze (RSA)		
Order	Start	Abstract No.	Presentation Title	Presenting Author
12	14:00	1596	<b>Forest management and the conservation of boreal forest arthropod biodiversity</b> Authors Jan Volney John Spence David Langor	Jan Volney
13	14:30	1633	<b>Impact of green tree retention on boreal moths</b> Authors Esther Kamunya John Spence Jan Volney	Esther Kamunya
14	14:45	2986	<b>Forest inventory data: A basis for conservation of ground dwelling beetles in managed landscapes</b> Authors Colin Bergeron John Spence Jan Volney	Colin Bergeron
15	15:00	1125	<b>Coarse woody debris and saproxylic beetles in a managed forest landscape in boreal Sweden</b> Authors Barbara Ekblom Martin Schroeder Thomas Ranius	Barbara Ekblom
16	15:15	566	<b>Implications of forestry on insects: experiences from large-scale experiments in Finland</b> Authors Matti Koivula Jari Niemelä	Matti Koivula
SESSION NO. <b>7</b>				
Symposium Reference No. <b>4.016</b>		<b>Tea Break</b>		Room No: Hall 3ABC
Symposium Organisers:				
Order	Start	Abstract No.	Presentation Title	Presenting Author
0	15:30	0	<b>Tea Break</b> Authors	Tea Break
SESSION NO. <b>8</b>				
Symposium Reference No. <b>4.026</b>		<b>Selected Contributions 4A</b>		Room No: MR 21ABC
Symposium Organisers:				
Order	Start	Abstract No.	Presentation Title	Presenting Author
17	16:00	1717	<b>Biology and conservation ecology of selected saproxylic beetles in Tasmania's southern forests</b> Authors Belinda Yaxley Simon Grove Richardson Alastair	Belinda Yaxley
18	16:15	1911	<b>Incidence of Ceratitis capitata (Wiedemann) (Diptera: Tephritidae) on native fruit trees of southern Mozambique: The role of habitat quality</b> Authors Silvia Mause Romana Bandeira	Silvia Mause
19	16:30	3395	<b>Application of Sycanus collaris as biocontrol agent for insect pests in plantation forestry</b> Authors Budi Tjahjono Abdul Gafur Aswardi Nasution	Budi Tjahjono
20	16:45	3450	<b>The biology and predators of Orthotomicus erosus (Woll.) in Pinus pinaster Ait. plantations in Marmara Region of Turkey</b> Authors Fazil Selek	Fazil Selek
21	17:00	3531	<b>Recent advances in the biological control of forest invasive pests in China</b> Authors Yang Zhong-qi	Yang Zhong-qi
22	17:15	175	<b>An engineering approach to controlling certain arthropod tree infestations</b> Authors Bruce Briley	Bruce Briley
Symposium Reference No. <b>4.05</b>		<b>Ecological and Conservation Implications of Linkage between Arthropod Biodiversity and Forestry Practices</b>		Room No: MR 11E
Symposium Organisers:		John Spence (Canada), Jari Niemelä (Finland) & Johan Kotze (RSA)		
Order	Start	Abstract No.	Presentation Title	Presenting Author
23	16:00	339	<b>The legacy of Melrose Highlands: Parasitoid drift and its unintended consequences for lepidopteran diversity in New England forests</b> Authors Dylan Parry George Boettner Jennifer Selfridge	Dylan Parry
24	16:15	522	<b>Effects of tropical forest overstorey diversity on biodiversity of ground dwelling ants in West Africa.</b> Authors S. Sky Stephens Mike Wagner Paul Bosu	S. Sky Stephens
25	16:30	253	<b>The relative importance of snags and logs to the saproxylic beetle community in two forest types of the southeastern United States</b> Authors Mike Ulyshen Jim Hanula	Mike Ulyshen
26	16:45	538	<b>Using terrestrial arthropods to refine and define forest management and conservation in Eastern Canadian Boreal forests</b> Authors Timothy Work Christopher O'Connor Annie Hibbert	Timothy Work

27	17:00	1535	<b>Road-building and use in the western Amazon Basin, Part 1: Impacting the rainforest and its entomofauna, or not?</b> Authors Terry L. Erwin Christy Jo Geraci Valeria Aschero	Terry L. Erwin
28	17:15	1946	<b>Road-building and use in the western Amazon Basin, Part 2: Employing data from applied conservation research to address basic questions about species richness patterns of Neotropical Mordellidae (Coleoptera)</b> Authors Christy Jo Geraci Terry L. Erwin Valeria Aschero	Christy Jo Geraci

27 June 2008