

**SECTION 6****Ecology**

CONVENORS: Melodie McGeoch (RSA) and Stig Larsson (Sweden)

**10 July 2008**SESSION NO. **2**

Symposium Reference No. **6.05** **Trait-mediated indirect effects in insect communities** Room No: Hall 2BH  
 Symposium Organisers: Takayuki Ohgushi (Japan), Oswald Schmitz (USA) & Robert Holt (USA)

Order	Start	Abstract No.	Presentation Title	Presenting Author
1	09:00	18	<b>The ubiquity of indirect effects</b> Authors Peter Price	Peter Price
2	09:30	47	<b>Predator identity and the nature of trait-mediated indirect effects</b> Authors Oswald Schmitz	Oswald Schmitz
3	09:45	540	<b>Enemy-induced responses and their indirect effects on arthropod communities on plants</b> Authors Maurice W. Sabelis Arne Janssen Izabela Lesna	Maurice W. Sabelis
4	10:00	1017	<b>Trait-mediated indirect effects in an acarine food chain</b> Authors Rostislav Zemek Barbora Brazdova Vlastimil Krivan	Rostislav Zemek
5	10:15	198	<b>Trait-mediated indirect effects on the structure of insect communities through herbivore-induced changes in plants</b> Authors Takayuki Ohgushi	Takayuki Ohgushi

SESSION NO. **3**

Symposium Reference No. **6.014** **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. **6.05** **Trait-mediated indirect effects in insect communities** Room No: Hall 2BH  
 Symposium Organisers: Takayuki Ohgushi (Japan), Oswald Schmitz (USA) & Robert Holt (USA)

Order	Start	Abstract No.	Presentation Title	Presenting Author
6	11:00	223	<b>Plant mediation of intraspecific interactions and population dynamics</b> Authors Timothy Craig	Timothy Craig
7	11:15	523	<b>Trait-mediated effects of termites and vertebrate herbivores in East-African savannas</b> Authors Alison K Brody Todd M Palmer Dan F Doak	Alison K Brody
8	11:30	338	<b>The role of competition in structuring an insect metacommunity on oak (<i>Quercus robur</i>)</b> Authors Ayco Tack Sofia Gripenberg Tomas Roslin	Ayco Tack
9	11:45	9	<b>The landscape ecology of trophic interactions: Trait- and density-mediated effects</b> Authors Peter Hambäck	Peter Hambäck
10	12:00	1207	<b>Community modules and trait-mediated effects: Some theoretical perspectives</b> Authors Robert Holt	Robert Holt

SESSION NO. **5**

Symposium Reference No. **6.027** **Lunch Break & Posters** Room No: Hall 3ABC  
 Symposium Organisers:

Order	Start	Abstract No.	Presentation Title	Presenting Author
0	12:30	0	<b>Lunch Break &amp; Posters</b> Authors	Lunch Break & Posters

SESSION NO. **6**

Symposium Reference No. **6.06** **Sampling and modelling the spatial responses of insects across spatial scales** Room No: Hall 2BH  
 Symposium Organisers: Nuria Roura-Pascual (Spain/RSA) & Joaquin Hortal (UK)

Order	Start	Abstract No.	Presentation Title	Presenting Author
11	14:00	1031	<b>Some determinants of insect species distributions across spatial scales</b> Authors Jorge Soberon	J Hortal

12	14:30	1608	<b>Are the determinants of ant diversity invariant across spatial and taxonomic scales?</b> Authors Nathan Sanders Robert Dunn Michael Kaspari	Nathan Sanders
13	14:45	529	<b>Spatial processes in predator-prey dynamics and their importance for biological control of phytophagous pests.</b> Authors Gösta Nachman	Gösta Nachman
14	15:00	152	<b>Spatial co-occurrence networks couple with DNA analysis to reveal the dynamics and feeding histories of polyphagous predators</b> Authors James R. Bell R. Andrew King David A. Bohan	James R. Bell
15	15:15	525	<b>Small scale dispersal models and habitat selection of the Argentine ant, <i>Linepithema humile</i></b> Authors Paul Krushelnycky Stephen Hartley	Paul Krushelnycky

Symposium Reference No. **6.1** **Linking aboveground and belowground multitrophic interactions** Room No: MR 12AB  
Symposium Organisers: Jeff Harvey (The Netherlands) & Martijn Bezemer (The Netherlands)

Order	Start	Abstract No.	Presentation Title	Presenting Author
16	14:00	457	<b>Aboveground-belowground interactions: state of the art and current and future challenges</b> Authors Martijn Bezemer Jeff Harvey	Martijn Bezemer
17	14:15	3094	<b>Implications of global environmental change for above- and belowground insect-insect and insect-plant interactions</b> Authors Greg Masters Felix Wackers Alan Gange	Greg Masters
18	14:30	412	<b>Are there patterns in above and belowground insect herbivore interactions?</b> Authors Katy Clark Scott Johnson Sue Hartley	Katy Clark
19	14:45	766	<b>Plant-insect interactions are controlled by the underworld</b> Authors Wim Van der Putten	Wim Van der Putten
20	15:00	301	<b>Plant-mediated interactions linking foliar-feeding insects and root-feeding nematodes: ecological significance and underlying mechanisms</b> Authors Ian Kaplan Robert Denno	Ian Kaplan
21	15:15	666	<b>Soil invertebrate-plant feedbacks and community change in a California coastal prairie</b> Authors Daniel Gruner Donald Strong	Daniel Gruner

SESSION NO. **7**

Symposium Reference No. **6.021** **Tea Break** 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. **8**

Symposium Reference No. **6.06** **Sampling and modelling the spatial responses of insects across spatial scales** Room No: Hall 2BH  
Symposium Organisers: Nuria Roura-Pascual (Spain/RSA) & Joaquin Hortal (UK)

Order	Start	Abstract No.	Presentation Title	Presenting Author
22	16:00	652	<b>On the relationships between biodiversity and habitat fragmentation across spatial scales</b> Authors Joan Ll. Pretus Guillem Chust	Nuria Roura-Pascual
23	16:15	564	<b>Linking habitat use to range expansion rates in fragmented landscapes: a metapopulation approach</b> Authors Robert Wilson Zoe Davies Chris Thomas	Robert Wilson
24	16:30	14	<b>Facing the problems of predicting insect distributions</b> Authors Jorge M. Lobo Alberto Jiménez-Valverde Joaquín Hortal	Jorge M. Lobo
25	16:45	1940	<b>What ecological niche models can tell us about invasive species' distributions</b> Authors Mark Robertson Marc De Meyer Townsend Peterson	Mark Robertson
26	17:00	1715	<b>Understanding the factors that influence the geographical expansion of <i>Cactoblastis cactorum</i> in non-native habitats</b> Authors Stephanie Bloem Kenneth Bloem Stephen Hight	James Carpenter
27	17:15	1874	<b>Conservation priority setting and insects: How, where, how often?</b> Authors Mar Cabeza Anni Arponen Heini Kujala	Mar Cabeza

Symposium Reference No. **6.1** **Linking aboveground and belowground multitrophic interactions** Room No: MR 12AB  
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Order	Start	Abstract No.	Presentation Title	Presenting Author
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28	16:00	216	<b>Root-feeding insects as agents of change in agroecology</b> Authors Scott Johnson Carolyn Mitchell	Scott Johnson
29	16:15	80	<b>Cross-effects between below- and aboveground tritrophic interactions in maize</b> Authors Ted Turlings Sergio Rasmann Matthias Erb	Ted Turlings
30	16:30	593	<b>Plant mediated multitrophic interactions between aboveground and belowground herbivores</b> Authors Roxina Soler	Roxina Soler
31	16:45	124	<b>Belowground mycorrhizal endosymbiosis and aboveground insects: can multilevel interactions be exploited for a sustainable control of pests?</b> Authors Emilio Guerrieri Maria Cristina Digilio	Emilio Guerrieri
32	17:00	987	<b>Arbuscular mycorrhizal symbiosis triggers prey-mediated changes in the life history of the predatory mite <i>Phytoseiulus persimilis</i></b> Authors Daniela Hoffmann Horst Vierheilig Peter Schausberger	Daniela Hoffmann
33	17:15	433	<b>Effects of mycorrhizal fungi on insect herbivores: a meta-analysis</b> Authors Julia Koricheva Alan Gange	Julia Koricheva

26 June 2008