

# BOOKING REQUIREMENTS

**Section ONE** (VAT Reg. No: GB 326 8075 49 - Charges are VAT inclusive).

Registration includes attendance at the conference, book of Abstracts, coffee, lunch and tea.

**WHOLE CONFERENCE REGISTRATION (by Tuesday 20 November 2007)**

AAB Members .....	£180.00	.....
AAB Members (retired option) .....	£140.00	.....
AAB Student Member.....	£115.00	.....
Non-members .....	£230.00*	.....
Student non members .....	£140.00*	.....
<b>Late booking surcharge (after 20 November 2007) .....</b>	<b>£25.00</b>	<b>.....</b>

**Section TWO**

**CONFERENCE BOARD**

**Tuesday 4 December 2007**

Bed & Breakfast En Suite .....	£60.00	.....
Dinner, Bed & Breakfast En Suite .....	£70.50	.....

**Wednesday 5 December 2007**

Conference Dinner .....	£30.00	.....
Bed & Breakfast En Suite .....	£60.00	.....

**TOTAL** £ .....

**Section THREE**

**Dietry Requirements**

Vegan	YES/NO	Vegetarian	YES/NO
No red meat	YES/NO	Wheat intolerant	YES/NO
Dairy intolerant	YES/NO		

**How did you learn of this conference?**

Printed flier .....	Organisation noticeboard .....
From a colleague .....	AAB Website .....
Via another Society .....	Press/news article .....
Email .....	Other .....

**Your Organisation**

Higher Education .....	Research Institute .....
Private Company .....	Govt Org, e.g. Defra, PSD, CSL .....
Private Individual .....	Press .....

**A charge of £25.00 will be made on any cancellations. No refunds will be given after 20 November 2007**

The completed booking form should be returned as soon as possible with payment. Payment may be made by cheque (made payable to **AAB**) or by credit card (VISA, Mastercard or Delta). If payment is made by credit card, please complete below. Please send to: Conference Registration, AAB Office, c/o Warwick HRI, Wellesbourne, Warwick CV35 9EF, UK.

Expiry date: ...../...../..... Cardholder's Name: .....

Cardholder's Address: .....

Signature: ..... Date: .....

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# ASSOCIATION OF APPLIED BIOLOGISTS

*President:* Professor Peter J Lea, BSc, PhD, DSc

**A 2 day conference**

**at Studley Castle, Warwickshire, UK**

**on 5-6 December 2007**

**PROGRAMME & BOOKING FORM**



**Theoretical population ecology  
& practical biocontrol  
- bridging the gap**



INVESTOR IN PEOPLE



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CABI, Richard Shaw & Tom Birkett

# Theoretical population ecology & practical biocontrol - bridging the gap

5-6 December 2007

at Studley Castle, Warwickshire.UK  
Programme  
(BASIS points have been applied for)

## 5 DECEMBER 2007

10:30 REGISTRATION

11:00 Introduction & welcome

D CHANDLER (University of Warwick, UK)

*Session 1: Plenary Session*

*Chairman: Professor Jeff Waage*

11:15 Introduction

J WAAGE (The Bloomsbury Centre for International Development, UK)

11:25 Ecological theory

M J CRAWLEY FRS (Imperial College London, UK)

11:50 A Practitioner's view

R JACOBSON (Consultancy Limited, UK)

12:15 DISCUSSION PANEL

13:00 LUNCH

*Session 2: Classical Biocontrol*

*Chairman: Dr Richard Shaw (CABI, UK)*

14:00 Theoretical aspects

M BONSALE (University of Oxford, UK)

14:25 Practical classical biological control: can theory really help?

S MURPHY (CABI, UK)

14:50 Prioritising candidate biocontrol agents for garlic mustard based on their potential effect on weed demography

E GERBER, H L HINZ, (CABI, Switzerland), D A LANDIS (USDA-ARS Invasive Weed Management Unit, USA) A DAVIS (Michigan State University, USA) B BLOSSEY (Cornell University, USA) & V NUZZO (Natural Area Consultants, USA)

15:10 DISCUSSION

15:25 TEA

*Session 3: Conservation Biocontrol I*

*Chairman: Dr John Holland (The Game Conservancy Trust, Fordingbridge, UK)*

15:55 Conservation biological control and enemy diversity on a landscape scale  
PROF. T TSCHARNTKE (University of Göttingen, Germany)

16:25 Conservation biological of pests and diseases for sustainability and profit  
PROF. S D WRATTEN (Lincoln University, New Zealand)

16:55 National scale metacommunity dynamics of carabid beetles in UK farmland  
D R BROOKS, J N PERRY, S J CLARK, R HOLDGATE, N S MASON, C R SHORTALL,  
M P SKELLERN, I P WOIWOD (Rothamsted Research, UK), M S HEARD (Centre for  
Ecology and Hydrology, UK) L G FIRBANK (Institute of Grassland and Environmental  
Research, UK)

17:15 Using spatial co-occurrence networks to examine the effects of prey biomass and density on the distribution of polyphagous predators

J R BELL, R A KING, D A BOHAN (Rothamsted Research, UK) & W O C SYMONDSON  
(University of Cardiff, UK)

17:35 Testing a simple carrying model for the establishment of generalist agents in various landscape situations

F SAMU, É SZITA, K FETEKÓ, E BOTOS, B BERNÁTH (Plant Protection Institute, Hungary)  
& A HORVÁTH (Institute of Ecology & Botany, Hungary)

17:55 DISCUSSION

18:15 POSTER SESSION

**Influence of leaf chemistry & morphology. Suitability for invasion by thrips and their control by natural enemies**

S A SCOTT-BROWN (Royal Botanic Gardens, UK)

**Natural enemy diversity and biocontrol**

G J K GRIFFITHS (NERC Centre for Population Biology, UK)

**Do we use a 'bouquet' or a 'KISS' to win a natural enemy's heart?**

P KEHRLI, M R WADE & STEVE D WRATTEN (Lincoln University, New Zealand)

**Potential for conservation biological control with entomopathogenic fungi**

J K PELL (Rothamsted Research, UK)

20:00 CONFERENCE DINNER

## 6 DECEMBER 2007

*Session 4: Conservation Biocontrol II*

*Chairman: Dr John Holland (The Game Conservancy Trust, UK)*

09:00 Population dynamics of earwigs in fruit orchards: simulations of a daydegree model  
R MOERKENS, H LEIRS (University of Antwerp, Belgium), B GOBIN (PCfruit, Zoology  
Department, Belgium) & H HELSEN (Wageningen UR, Netherlands)

09:20 Re-bugging the system: investigating adoption for alternative pest management strategies in field crop systems

J M HOLLAND (The Game Conservancy Trust, UK) & A Bailey (Imperial College, London &  
University of Kent, UK)

09:40 Does the spatial density of field margins affect aerially dispersing aphid predators and their aphid prey?

H OATEN (The Game Conservancy Trust, UK)

10:00 **From biological control to biodiversity and back again**  
D SKIRVIN & A MEAD (University of Warwick, UK)

10:20 **DISCUSSION**

*Session 5: Inoculative Biocontrol*  
*Chairman: Dr David Chandler (University of Warwick, UK)*

10:30 **COFFEE**

11:00 **Theoretical aspects**  
PROF C GILLIGAN (University of Cambridge, UK)

11:25 **Practical aspects**  
R G GREATREX (Syngenta, UK)

11:50 **Beetle power: a novel biological control system, from the glasshouse to the field**  
J BENNISON (ADAS, UK)

12:10 **Soilborne plant pathogen biocontrol: ecology and application**  
J CLARKSON (University of Warwick, UK)

12:30 **Fungal interactions in heterogeneous soil: modelling, experimentation and consequences for biocontrol**  
R E FALCONER, D GRINEV & W OTTEN (University of Abertay, UK)

12:50 **Percolation theory and the spread and control of soil-borne plant disease**  
D BAILEY (INRA, Rennes), W OTTEN (University of Abertay, UK), V DEYTIEUX (INRA, Dijon), A BATES & C GILLIGAN (University of Cambridge, UK)

13:10 **DISCUSSION**

13:20 **LUNCH**

*Session 6: General Biocontrol*  
*Chairman: Prof. Mick Crawley FRS (Imperial College London, UK)*

14:15 **The concept of predatory value in biological control**  
W VAN DER WERF & HANS HEESTERBEEK (Wageningen University, The Netherlands)

14:35 **Developing a theoretical basis for the interpretation of trap counts**  
S PETROVSKI (University of Leicester, UK) & R BLACKSHAW (University of Plymouth, UK)

14:55 **Landscape-scale biocontrol simulation: hoverfly-aphid population dynamics**  
H PARRY (Central Science Laboratory, UK)

15:15 **DISCUSSION**

15:30 **TEA**

*Session 7: The Way Forward*  
*Chairman: Prof. Mick Crawley FRS (Imperial College London, UK)*

16:00 **INVITEES TO BE CONFIRMED**

16:30 **End of Conference**

## ASSOCIATION OF APPLIED BIOLOGISTS

*President:* Professor Peter Lea, BSc, PhD, DSc

# Theoretical population ecology & practical biocontrol - bridging the gap

**5-6 December 2007**

**at Studley Castle, Warwickshire UK**

## BOOKING FORM

SURNAME: ..... INITIALS: .....

TITLE (Prof/Dr/Mr/Mrs/Ms or other): .....

PREFERRED NAME FOR BADGING: .....

STATUS (Delete as appropriate): AAB Member/Retired Member/  
AAB Student Member/  
Non-Member\*/Student Non-Member\*

MAILING ADDRESS: .....

.....

..... POST CODE: .....

Tel No: ..... Fax No: ..... E-mail: .....

### NOTES

- STUDENTS.** It is the Association's policy to grant reduced registration fees to students. This provision is subject to space being available and booking forms must be accompanied by a signed statement from the student's supervisor attesting that he/she is a full-time student. If students would like to apply for an **AAB Student Travel Grant** (travel within the UK only) please send your request in writing to the AAB Office. Forms are available on the AAB Web Page: <http://www.aab.org.uk>
- Conferences of the Association are private but visitors are most welcome. The publishing of reports of papers given at these conferences should only be done with the permission of the organiser and the authors of the papers concerned, who may require to see proofs before this permission is given.
- The Association would like to send you details of relevant conferences in the future. Please tick box if you do not want to receive these details
- Please note that photographs are sometimes taken at AAB conferences which we publish in our Newsletter to members.

**\*AAB full membership for 2008 is £49.00 and £24.50 for students**  
**For further details on membership contact the AAB Office**

*The Association is a Registered Charity (No. 275655)*

<http://www.aab.org.uk>