

7th INTERNATIONAL CONFERENCE ON URBAN PESTS (ICUP)



7th ICUP

Ouro Preto, MG - Brazil
August, 7-10, 2011

SPONSORS



SUPPORT



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56 Occurrence of Synanthropic Organisms in a Hospital Surgical Center

Adriana R.P. da Silva, Luciane K. Junqueira, and L.J. Ribeiro



Dear Colleagues,

It is with a great honor that we welcome delegates to the **7th International Conference on Urban Pests (7th ICUP)**.

For the first time in Latin America, we chose Ouro Preto, Brazil, a World Cultural Heritage for the venue.

Ouro Preto is one of the most ancient Brazilian cities and delegates will have a great opportunity to know some of our history. The colonial architecture of the old buildings portrays how life was lived in the 1700's, 200 years after the discovery of Brazil.

In the middle of beautiful mountains in the state of Minas Gerais, the known Brazilian hospitality and typical cuisine will welcome each one of you.

The Local Organizing Committee brought to the 7th ICUP topics of global interest such as legislation, alternative techniques to urban pest management, bed bugs, and discussion on the future of urban pest research. Also vector borne diseases, spiders, scorpions and bats will have their place in the 7th ICUP.

South American delegates came to Ouro Preto to meet those who have followed the Conference wherever it goes around the world. I wish all of you a great Conference and when you get back to your homes you think it was worth coming to Brazil.

Yours sincerely,

Ana Eugênia de Carvalho Campos

Chairperson, Organizing Committee

7th Internatioanal Conference on Urban Pests

7th INTERNATIONAL CONFERENCE ON URBAN PESTS (ICUP)

SUNDAY, - 7 August, 2011

Time	Events	Venue
16:00 - 18:00	Registration	Foyer
18:30 - 22:00	Welcome Cocktail	Espaço Sabará

MONDAY - 8 August, 2011

Time	Events	Venue
08:00	Registration	Foyer
08:45	Opening remarks by Organizing Chairperson	Teatro Ouro Preto
09:00	Opening ceremony	
09:30-10:50	Plenary Lectures Chairman: William H Robinson Urban Pest Control - Research Center, USA	
09:30 - 10:10	<u>C. R. F. Brandão</u> , and R. R. da Silva Slicing and Restoring Nature. Ant Community Ecology in the Atlantic Forest	
10:10 - 10:50	E. Luna The Challenge of Controlling Arbovirolosis in Brazil	
10:50 - 11:10	Coffee Break	Espaço Sabará
11:10 - 12:10	General Session Chairman: William H Robinson Urban Pest Control - Research Center, USA	Teatro Ouro Preto
11:10 - 11:40	E. Vargo How Genetic Studies can Help with Subterranean Termite Management	
11:40 - 12:10	H. Ortêncio Filho Bats in Natural and Urban Environments	
12:10 - 13:40	Lunch	Salão Mariana
13:40 - 15:10	General Session - <i>continue</i> Chairman: William H Robinson Urban Pest Control - Research Center, USA	Teatro Ouro Preto
13:40 - 14:10	D. Pinniger New Developments in Pest Management for Collections in Museums and Historic Houses	
14:10 - 14:40	R. Plarre Wood Protection by Interfering with Insect Behavior - Adequacy of Laboratory Test Designs	
14:40 - 15:10	<u>Ana Eugênia de C. Campos</u> , and J. Justi Junior Urban Entomology in Brazil: Short History, Big Challenges, Great Men	
15:10 - 15:40	Coffee Break	Espaço Sabará

28 New Surveillance Techniques to Control *Culex* sp. (Culicidae) in São Paulo with Less Impact to Environment and Man

Katya V.A.B. Dini , Eunice S.M. Parodi, Sumire Hibi, Neide Y. Aguenta, and C.A.M. Marques Filho

29 A comparison of the Attractiveness Efficiency of Three Mosquito Traps

F.A. Davila, R.C.S. Sandoval, P.R. Urbinatti, and D. Natal

30 "Gincana Escola Cidadã - Todos Contra A Dengue" - An Official Campaign Integrating Society Sectors to Prevent Dengue in Mogi Guaçu, SP, Brazil

F.R. Teixeira, Cristiana M.F. Ferraz, and C.R. Módena

31 Residual Efficacy of Spinosad and Diflubenzuron Against Mosquito Larvae in Spain

R. J. Peydró, P.G. Mújica, and R.B. Marí

32 Surveillance of Exotic Mosquitoes in Alicante Airport (Southeastern Spain)

R. J. Peydró, P.G. Mújica, and R. B. Marí

33 VBORNET Network: a Database and Maps of Arthropod Vector Distribution and Surveillance in Europe

B. Alten, W. van Bortel, H. Zeller, G. Hendrickx, and F. Schaffner

34 Vecmap, A One-Stop-Shop to Vector Mapping

G. Hendrickx, W. Wint, S. Bastier, M. Kruijff, F.Schaffner, and Els Ducheyne

35 Evaluation of The Stability of Hidroxicumarine Bromadiolone Formulated as Pellet after Application in Closed Environment

Rita C.B. Prisco, Vera L.T. Savoy, Eliane Vieira, L.C.Luchini, and Solange Papini

36 Evaluation of Physical and Chemical Hydroxycoumarin Bromadiolone Formulated as Paraffin Blocks after Environmental Exposure

Solange Papini, Vera L. T. Savoy, Rita C.B. Prisco, Eliane Vieira, and L.C. Luchini

37 Population of Rodents in the Eastern of São Paulo: Pre- and Post-Chemical Treatment, their Ectoparasites and Agents of Zoonosis.

Lilian S. Babolin, Ana E. C. Campos, Vanessa Castro, Rosa M. Piatti, Marcia M., Rebouças, Maria Jeovánia F. Almeida-Silva, Claudia Del Fava, And M.R. Potenza

38 Termite Infestation (Insecta, Isoptera) in an Area of Ecological Preservation and their Control

M.R Gomes, and Ana Maria Costa-Leonardo

39 Termite Population Dynamics and their Role in Dry Wood Destruction and Green House Gases Production

V. B. Sapunov

40 Survey on the Termites (Insecta: Isoptera) from the Urban Area in Cuiabá, Brazil

L. S. Ormondes, Caroline F.Fortes, and J. R. dos Santos

41 The Importance of the Biological and Behavioral Characterization of Wood Infesting Pests on the Jurisprudences and Commercial Relationships

Heloisa H. Kuabara

14 Geographical Distribution of Ticks (Soft and Hard) in the City of Boyerahmad (Kohghiluyeh and Boyerahmad Province) 2008

Mansoureh Shayeghi, A.K. Rooz, N. Piazak, Hamideh Edalat, M. Abtahi, and Sahar Bazrafcan

15 The Bed Bugs *Cimex lectularius*: Urban Problem in the Andean Region of Colombia

Carmen E. Posso, Marta I. Wolff, and Patricia C. de Ulloa

16 Bed Bugs – The Problem in Russia

Svetlana A. Roslavtseva

17 Effectiveness Assessment of Imidacloprid 21% + Betacyfluthrin 10.5% to Control *Blattella germanica* (Blattodea, Blattellidae) Populations Pyrethroid Resistant

J.F. Bernardini, Júlia C. Oliveira, F. Belluco O.R.P. Bendeck, R. Picanço, and Letícia S. Poppin

18 Parasites of the German Cockroach *Blattella germanica* and their Influence on Host Fitness

T. Kuhlmann, Stefanie Haesner, Gabriele Schrader, and E. Schmolz

19 Treatment on Different Surfaces with Lambdacyhalothrin to Control *Blattella germanica*

M. R. Potenza, F.C. Reis, Jamile I. Saud, and Washington L.B. Ferreira

20 Mortality of *Blattella germanica* (Blattodea: Blattellidae) Due to the Percentage of Exposure to Pesticides and Type of Surface, Before and After Washing

Irene C. da Silva, M.C. Ferreira, Nilza M. Martinelli, Renata S. Parreira, and W.C. Pazini

21 Baiting Strategies for the Control of American Cockroaches (Blattaria:Blattidae) in Urban Sewage Systems

R. J. Peydró, and P.G. Mújica

22 Control of American Cockroaches (Blattaria:Blattidae): Laboratory Performances of Fipronil and Imidacloprid Gel Baits

R. J. Peydró, and P. G. Mújica

23 Integrated Pest Management of *Blattella asahinai* in The Urban Environment in Southern Alabama, United States of America

Edward T. Snoddy

24 Keratophagous Moths in the Urban Environment and Modern Insecticidal Products for their Control

Elena I. Bakanova, and M.A. Alekseev

25 Use of Magnetic Carrier to Improve Delivery of Active Ingredients for Urban Pest Control

C.O'Halloran, and R. Fryatt

26 *Musca domestica* (Diptera: Muscidae) and the Transfer of *Clostridium difficile*

M. Davies, A.C. Hilton, and M. Anderson

27 Distribution and Abundance of *Aedes aegypti* (Diptera: Culicidae) in Two Hospitals in Cuiabá, State of Mato Grosso, Brasil

D. Carvalho-Leandro, D.P.L. Leite JR, Ana Lúcia M. Ribeiro, J.S.V. Rodrigues, Cleide M.R. Albuquerque, Anagela M. Acel, F.A. L. dos Santos, Marinalva B.A. Santana, and Rosina D. Miyazaki

15:40 - 16:40	General Session - <i>continue</i>	Teatro Ouro Preto
	Chairman: William H Robinson Urban Pest Control - Research Center, USA	
15:40 - 16:10	C. V. Prescott	
	Development of Rodenticides, and the Impact of Resistance to the Anticoagulant Rodenticides	
16:10 -16:40	Michelle S. Smith	
	Industry Research Funding Strategies: Internal, Contract or University?	
16:40 - 18:00	Poster Session (see pages 15-19)	Espaço Sabará

WORKSHOP - PCO Day - Updates on Urban Pest

August 8, 2011 - Monday (Sala São João Del Rei)

Language Spoken – Portuguese

Organizers: **Edna Clara Tucci** Instituto Biológico, São Paulo, Brazil **Carlos Fernando S. de Andrade** UNICAMP, Campinas, Brazil

9:00 - 12:00

Control of Flies in Commercial Poultry Farms

Edna C. Tucci - Instituto Biológico, São Paulo

Pest Control in Facilities under Federal Inspection

Ivana Gomes de Faria - Fiscal Federal Agropecuário / UTRA LAVRAS

Outsourcing in the Control of Cattle Ectoparasites - a Promising Opportunity

W. W. Koller - Embrapa, Campo Grande.

Rodent Management in Zootechnical Farmings

M. R. Potenza - Instituto Biológico, São Paulo

10:50 - 11:10 - Coffee break (Espaço Sabará)

12:00 - 14:00 - Lunch

14:00 - 18:00

***Aedes aegypti* Control - What to Update in a Subject with Traditional Solutions?**

C. F. S. de Andrade - UNICAMP, Campinas

***Culex quinquefasciatus* - An official guide for the Integrated Pest Management Program in Brazil.**

D. G. Ramos - Ministério da Saúde/Secretaria de Vigilância em Saúde

Proposed Program of the Ministry of Health of Brazil for the Surveillance of Emerging Arboviruses - Impact on Control of Vectors

F. A. A. Araújo – Ministério da Saúde/Secretaria de Vigilância em Saúde.

15:10 - 15:40 - Coffee break (Espaço Sabará)

**TUESDAY - 9 August, 2011 PARALLEL SCIENTIFIC SESSIONS (MORNING)
SESSION A – ANTS**

Time	Events	Venue
08:40 - 10:20	SESSION A – ANTS Chairperson: Stephanie Larrick University of Florida, USA	Salão Tiradentes
08:40 - 09:00	<u>Cintia Martins</u> , R. F. Souza, and O.C. Bueno High Incidence of <i>Wolbachia</i> Infection on <i>Solenopsis</i> Populations from Urbanized Areas	
09:00 - 09:20	<u>Alcione Piva</u> , and Ana Eugênia de C. Campos Ant Community Structure in Two Neighborhoods with Different Urban Profiles in the City of São Paulo, Brazil	
09:20 - 09:40	<u>Stephanie Larrick</u> , P.G. Koehler, and R. Pereira Spatial Distribution and Density of <i>Nylanderia pubens</i> (Hymenoptera: Formicidae) on Urban Lots	
09:40 - 10:00	<u>Ana Paula Couceiro-Ruggiero</u> , Eliana Roxo, P. A. Nogueira, Regina M.C.M. Abrahão, Ana Eugênia de C. Campos, J.P. Ramos, P.C.S. Caldas, C.E.D. Campos, and Elied A. Costa Ants as Mechanical Vectors of Mycobacteria in a Hospital: Preliminary Data	
10:00 - 10:20	<u>R. Pospischil</u> Role of Tropical Greenhouses for Introduction and Establishment of Foreign Ant Species (Hymenoptera: Formicidae) in Central Europe	
10:20 - 11:00	Coffee Break	Espaço Sabará
11:00 - 12:00	SESSION A – ANTS - <i>continue</i> Chairperson: Stephanie Larrick University of Florida, USA	Salão Tiradentes
11:00 - 11:20	<u>C.M. de Jesus</u> , and O.C. Bueno Can the Ghost-Ant (Hymenoptera: Formicidae) Separate Food Inside the Body?	
11:20 - 11:40	<u>G. Webb</u> Evaluation of an ant bait against <i>Linepithema humile</i> in Australia	
11:40 - 12:00	<u>R. Harakava</u> , Priscilla J. Rebouças, and Ana Eugênia de C. Campos A Survey for <i>Solenopsis invicta</i> Viruses (SINVs) in Brazil	
12:00 - 14:00	Lunch	Salão Mariana



POSTER ABSTRACTS

1 Assessment of insecticide imidacloprid + betacyfluthrin to Control *Camponotus rufipes* (Hymenoptera, Formicidae)

Júlia C. Oliveira, J. F. Bernardini, Letícia S. Poppin, O.R.P. Bendeck, R. Picanço, and F. Belluco

2 Can the Leaf-Cutter ant, *Atta cephalotes* (Hymenoptera: Myrmicinae), be Classified as an Urban Pest?

J. Montoya-Lerma, Carolina Giraldo, J. Rodríguez, Zoraida Calle, H. Miller, and Inge Armbrrecht

3 Updated Distribution of some *Solenopsis* (Hymenoptera: Formicidae) Species in Brazil, Based on Mitochondrial DNA Sequences Analysis

Cintia Martins, R.F. Souza, and O.C. Bueno

4 How Two Boron Compounds Differentially Affect the Individual Intake of Toxic Baits in *Linepithema humile*

F.J. Sola, and R. Josens

5 The Myrmicinae Ant *Pheidole susannae* as Potencial Urban Pest in Colombia

Patricia C. de Ulloa, R.A. Achury, and Angela M. Arcila

6 Identification of Fire-Ants of the *Solenopsis saevissima* species-Group Based on mtDNA Sequences and Morphological Characters

Francesli A. Gusmão, Ana E.C. Campos, and R. Harakava

7 The Introduced Big-Headed Ant *Pheidole megacephala* in Southern Colombia

Patricia C. De Ulloa, and R.A. Achury

8 Colonies of *Linepithema humile* in Natural Areas within the City of Buenos Aires

F.J. Sola, and R. Josens

9 Hydramethylnone and Boric Acid Baits to Control Urban Ants

Érika de M. Cerioni, Fabiana C. Bueno, Marcela Ceccato, and O.C. Bueno

10 A Novel Long-Lasting and Broad-Spectrum Ant Bait 366

N. Bao

11 Practicality and Efficiency of Insecticide Imidacloprid 21% + Betacyfluthrin 10.5% to Control *Loxosceles intermedia* (Araneae, Sicariidae)

Letícia S. Poppin, J.F. Bernardini, Júlia C. Oliveira, O. R.P. Bendeck, R. Picanço, and F. Belluco

12 Control of Scorpions Using Cold Ultra-Low Volume Technique in the City of São Paulo

C. A. M. Marques Filho, Rosiani K. Bonini, M. G. Dalbon, N. Y. Agüena, K.V.A.B. Dini, Eunice S. M. Parodi, and H. Montenegro

13 Reports of Accidents with Spiders of Medical Importance in the Region of Vila Prudente, São Lucas and Sapopemba, São Paulo City, Brazil, in the Years 2007-2010

F. Souza, and G.S. Cruz

WEDNESDAY - 10 August, 2011 **PANEL 4 – ALTERNATIVE CONTROL METHODS (AFTERNOON)**

Time	Events	Venue
13:30 - 16:00	PANEL 4 – ALTERNATIVE CONTROL METHODS Chairperson: Roberto Pereira University of Florida, USA <u>R. Pereira</u> , and P.G. Koehler Use of Heat, Volatile Insecticide, and Monitoring Tools to Control Bed Bugs (Heteroptera: Cimicidae) <u>F. de A. Marques</u> , E.N. Ramires, Marta Luciane Fischer, E. Marques da Silva, M.A.N. da Silva, J. D. Fontana, and Beatriz H.L.N.S. Maia New approaches to Control <i>Loxosceles intermedia</i> (Araneae: Sicariidae) <u>P.G. Koehler</u> , R.M. Pereira, and B.W. Jordan New Techniques for Subterranean Termite Control A.B.B. Wilke, and <u>M.T. Marrelli</u> Transgenic mosquitoes	São João Del Rei A
16:00 - 16:30	Coffee break	Espaço Sabará

WEDNESDAY - 10 August, 2011 **PANEL 5 - FUTURE OF THE URBAN PEST RESEARCH (AFTERNOON)**

Time	Events	Venue
13:30 - 16:00	PANEL 5 – FUTURE OF THE URBAN PEST RESEARCH Chairperson : Carlos Fernando S. de Andrade UNICAMP, Brazil <u>C.F.S. Andrade</u> Environmental Education - A key Factor in Urban Pest Control Programs <u>R. Pospischil</u> Development of Future Strategies for Pest Management in Europe O. Malaspina, and <u>Priscila Cintra-Socolowski</u> Education and Training for Pest Control: Perspectives and Significant Points	Sala Tiradentes
16:00 - 16:30	Coffee break	Espaço Sabará

WEDNESDAY - 10 August, 2011 **PRESENTATIONS BY MODERATORS OF PANEL OF DISCUSSIONS CLOSING ADDRESS (AFTERNOON)**

Time	Events	Venue
16:30	Presentations by moderators of panel of discussions (based on the outcome of the discussion)	Teatro Ouro Preto
17:30	Closing Address	Teatro Ouro Preto

TUESDAY - 9 August, 2011 **PARALLEL SCIENTIFIC SESSIONS (MORNING)**
SESSION B – APPLICATION TECHNOLOGY AND INTEGRATED PEST MANAGEMENT OF GENERAL PESTS

Time	Events	Venue
08:40 - 10:20	SESSION B APPLICATION TECHNOLOGY AND INTEGRATED PEST MANAGEMENT OF GENERAL PESTS Chairperson : Gabi Mueller Urban Pest Advisory Service Dept. of Health and Environment, Switzerland	São João Del Rei A
08:40 - 09:00	<u>T.J. Husen</u> , R. Narain, A. H. Ab-Majid, <u>S.T. Kamble</u> , and R.W. Davis Bioefficacy of Chlorfenapyr Against American and Oriental Cockroaches, and House Flies on Wood, Concrete and Vinyl Surfaces	
09:00 - 09:20	<u>Gabi Mueller</u> , Isabelle L. Luescher, and M. Schmidt New Data on the Incidence of Household Arthropod Pests and New Invasive Pests in Zurich (Switzerland)	
09:20 - 09:40	<u>G. Pampiglione</u> , N. Ferri and Raffaella Paladini Critical Analysis of Pest Control in L'Aquila (Abruzzo, Italy) After Earthquake	
09:40 - 10:00	<u>Vicky Coates</u> , Gai Murphy, D. Oldbury, and S. Battersby Local Authority Pest Management Services in the United Kingdom: 2002 and 2009 National Pest Advisory Panel Surveys	
10:00 - 10:20	<u>Zia Siddiqi</u> Global Food Safety Initiative and its Impact on Pest Management Programs in North America	
10:20 - 11:00	Coffee Break	Espaço Sabará
11:00 - 12:00	SESSION B APPLICATION TECHNOLOGY AND INTEGRATED PEST MANAGEMENT OF GENERAL PESTS <i>Continue</i> Chairperson : Gabi Mueller Urban Pest Advisory Service Dept. of Health and Environment, Switzerland	São João Del Rei A
11:00 - 11:20	<u>Rosângela Vieira</u> , M.R. Silva, and R. Vieira Infiltration of Insecticides Using Kerosene, Diesel Fuel, Water and Polymer into Dry Wood	
11:20 - 11:40	<u>Eva Scholl</u> Differences in IPM Between the United States and Non-English Europe: Mentality and Compatibility	
11:40 - 12:00	B. Alten, W. van Bortel, H. Zeller, <u>G. Hendrickx</u> , and F. Schaffner VBORNET Network: a database and maps of arthropod vector distribution and surveillance in Europe	
12:00 - 14:00	Lunch	Salão Mariana

**TUESDAY - 9 August, 2011 PARALLEL SCIENTIFIC SESSIONS (MORNING)
SESSION C – MOSQUITOES AND OTHER FLIES**

Time	Events	Venue
08:40 - 10:20	SESSION C – MOSQUITOES AND OTHER FLIES Chairperson: Álvaro Eduardo Eiras Universidade Federal de Minas Gerais, Brazil	São João Del Rei B
08:40 - 9:00	<u>G. Hendrickx</u> , W. Wint, S. Bastier, M. Kruijff, F. Schaffner, and Els Ducheyne Vecmap, a One-Stop-Shop to Vector Mapping	
09:00 - 9:20	Joanne Fozzard, A. Felix-Thomas, D. Oldbury, A. Elwood, <u>M. Anderson</u> , and Gai Murphy United Kingdom Urban Mosquito Sampling	
9:20 - 9:40	M. Green Catch rate of <i>Musca domestica</i> in laboratory tests: Contrasting Ultraviolet Light Traps with their Surroundings	
9:40 - 10:00	<u>Alessandra Albuquerque</u> , Teresa Magalhães, and Constância Flávia J. Ayres Field prevalence of conserved <i>Wolbachia pipientis</i> in Brazilian Populations of <i>Aedes albopictus</i> (Diptera: Culicidae)	
10:00 - 10:20	<u>G. Webb</u> , P. Miller, B. Peters, A. Keats, and S. Winner Efficacy, Environmental Persistence and Non-Target Impacts of Pyriproxyfen Use Against <i>Aedes vigilax</i> in Australia	
10:20 - 11:00	Coffee Break	Espaço Sabará
11:00 - 12:00	SESSION C – MOSQUITOES AND OTHER FLIES - <i>continue</i> Chairperson: Álvaro Eduardo Eiras Universidade Federal de Minas Gerais, Brazil	São João Del Rei B
11:00 - 11:20	<u>J. Entwistle</u> Emerging Technologies for Control of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> (Diptera: Culicidae)	
11:20 - 11:40	A. E. Eiras, M.C. Resende, and R.M. Mota MI-Dengue: an Innovative Technology for GPS Monitoring <i>Aedes aegypti</i> Population on Webpage at Real Time	
11:40 - 12:00	<u>Michelle C. Pedrosa</u> , J. Fontenelle, A.E. Eiras, E. Arasahiro, and S. P. Ribeiro <i>Aedes aegypti</i> and <i>A. albopictus</i> in Urban Green Areas and Houses of Two Mountain Towns: Ouro Preto and Mariana, Minas Gerais, Brazil	
12:00 - 14:00	Lunch	Salão Mariana

WEDNESDAY - 10 August, 2011 PANEL 3 – BED BUGS (MORNING)

Time	Events	Venue
9:00 - 12:00	PANEL 3 – BED BUGS (Sala Tiradentes) Chairperson: Clive Boase Pest Management Consultancy, UK <u>A. Romero</u> Biology and Management of Bed Bugs: Review of Recent Research <u>L.G.G. Nascimento</u> , Tatiani C. Marques, and J.M.S. Barata Bed Bug (Heteroptera, Cimicidae) Infestations in the Metropolitan Region of São Paulo, Brazil <u>W. H. Robinson</u> , and C.J. Boase Bed Bug (Hemiptera, Cimicidae) Resurgence: Plotting the Trajectory <u>E.L. Vargo</u> , W. Booth, Virna Saenz, R.G. Santangelo, and C. Schal Genetic Analysis of Bed Bug Infestations and Populations	Sala Tiradentes
10:15 - 10:45	Coffee Break	Espaço Sabará
12:00 - 13:30	Lunch	Salão Mariana

**WORKSHOP - PESTS IN HISTORIC BUILDINGS
RECOGNIZING AND CONTROLLING (*continue*)
August 10, 2011 – WEDNESDAY (Teatro Ouro Preto)
Language Spoken – Portuguese
Simultaneous Translations for D. Pinniger’s presentation (English/Portuguese)**

Organizers: João Justi Junior and Francisco José Zorzenon
Instituto Biológico, São Paulo, Brazil

9:00 - 12:00
What are the pests, what do they eat and where do they live?

Environmental influences - the links between pests in collections and pests in buildings.

Detection and monitoring - new detection techniques and ways to analyze trapping data.

Controlling pests - choosing the right option for your collection and budget.
D. Pinniger, UK

10:15 - 10:45 - Coffee break (Espaço Sabará)

12:00 - 14:00 - Lunch

14:00 - 18:00
Technical visit to an ancient building



WEDNESDAY - 10 August, 2011 PANEL 1 – GLOBAL LEGISLATION (MORNING)

Time	Events	Venue
9:00 - 12:00	<p>PANEL 1 – GLOBAL LEGISLATION</p> <p>Chairperson: Andy Adams Bayer Environmental Science, France</p> <p><u>A. Adams</u></p> <p>Impact of European Biocides Legislation on Innovation for Public Health Pest Control</p> <p><u>K. Sweeney</u></p> <p>Regulatory Perspectives on Harmonization of Efficacy Data Development for Pesticide Registration</p> <p><u>P. Choraine</u></p> <p>Authorization of Biocidal Products in the European Union</p> <p>Tânia Pich, and <u>P.R.R. Peres</u></p> <p>Legal Approaches on Urban Pest Control Products and on Their Use</p>	São João Del Rei A
10:15 - 10:45	Coffee Break	Espaço Sabará
12:00 - 13:30	Lunch	Salão Mariana

WEDNESDAY - 10 August, 2011 PANEL 2 – MEDICALLY IMPORTANT PESTS (MORNING)

Time	Events	Venue
9:00 - 12:00	<p>PANEL 2 – MEDICALLY IMPORTANT PESTS</p> <p>Chairperson: Colin Prescott University of Reading, UK</p> <p><u>Maria de Lourdes da G. Macoris</u>, Maria Tereza M. Andrighetti, and P.E.M. Ribolla</p> <p>Impact of insecticide resistance on control of <i>Aedes aegypti</i></p> <p><u>M.T. Obara</u>, J.M.S. Barata, and R.G. Gonçalves</p> <p>Monitoring the Resistance of Triatominae (Hemiptera: Reduviidae) to Insecticides</p> <p><u>Rute M. Gonçalves-de-Andrade</u>, Rafaella M. Lafraia, and Rosana de F. Shoji</p> <p>Significance of Spiders (Araneae) as Public Health Pests</p> <p><u>H. Ortêncio Filho</u></p> <p>Urban Bats: Aspects of Ecology and Health</p> <p><u>Maria Alice V.M. Santos</u>, Ridelane V. Acioli, Candida M.N. Ribeiro, Juliana Serafim, Karina Britto, J.C. Silveira Jr., W.V. de Souza, P.J. Ribeiro Jr., A.M. Monteiro, and L. Regis</p> <p>Surveillance and control of <i>Aedes aegypti</i> (Diptera: Culicidae): A New Proposal</p> <p><u>C.V. Prescott</u>, and A. Stuart</p> <p>Rodents as Carriers of Disease: Preliminary Studies in the United Kingdom</p>	São João Del Rei B
10:15 - 10:45	Coffee Break	Espaço Sabará
12:00 - 13:30	Lunch	Salão Mariana

TUESDAY - 9 August, 2011 PARALLEL SCIENTIFIC SESSIONS (AFTERNOON)
SESSION D – TERMITES AND COCKROACHES

Time	Events	Venue
14:00 - 16:00	<p>SESSION D – TERMITES AND COCKROACHES</p> <p>Chairperson: William H Robinson Urban Pest Control Research Center, USA</p>	Salão Tiradentes
14:00 - 14:20	<p><u>Mary L. Cornelius</u></p> <p>Tunneling Behavior of the Formosan Subterranean Termite (Isoptera: Rhinotermitidae) in Dry Soil</p>	
14:20 - 14:40	<p><u>P. Dhang</u></p> <p>A Retrospective Analysis of Structures Infested by Subterranean Termites in Philippines</p>	
14:40 - 15:00	<p><u>G.A.C. Lopez</u></p> <p>Infestation of subterranean termite <i>Heterotermes assu</i> (Isoptera: Rhinotermitidae) - A Case Study in Mauá City, São Paulo, Brazil</p>	
15:00 - 15:20	<p><u>R. Sonneck</u>, N. Guenther, and G. Volker</p> <p>Nymph-to-Adult Ratio in German Cockroach (Dictyoptera: Blattellidae) Populations after Treatment with Imidacloprid</p>	
15:20 - 15:40	<p><u>B.C. Peters</u>, and <u>S. Broadbent</u></p> <p>Evaluating a Baiting System for Management of Termites in Buildings (India) and Earthen Dam Walls (Botswana)</p>	
15:40 - 16:00	<p><u>Gloria Isabel Jaramillo</u>, R. Gonzalez, Clara Ocampo, and G. Moores</p> <p>Susceptibility Levels of <i>Periplaneta americana</i> (Dyctioptera: Blattellidae) to Two Different Insecticides in Populations from Southwest Colombia</p>	
16:00 - 16:30	Coffee Break	Espaço Sabará
16:30 - 17:10	<p>SESSION D – TERMITES AND COCKROACHES - <i>continue</i></p> <p>Chairperson: William H Robinson Urban Pest Control Research Center, USA</p>	Salão Tiradentes
16:30 - 16:50	<p><u>Heglair S. Alencar</u>, F.C. Reis, Graciela S. Silva, M.E. Sato, and <u>M.R. Potenza</u></p> <p>Evaluation of Bait Gel Dosage for <i>Blattella germanica</i> Control</p>	
16:50 - 17:10	<p><u>X.P. Hu</u>, Z. Yuan, and Wei Ding</p> <p>Anti-Termitic Properties of <i>Lantana camara</i> (Lamiales: Verbenaceae)</p>	
19:00	<p>Banquet Dinner Dress Code: Smart Casual Please check at the secretary (Foyer) for transfer information</p>	



**TUESDAY - 9 August, 2011 PARALLEL SCIENTIFIC SESSIONS (AFTERNOON)
SESSION E – RODENTS AND BED BUGS**

Time	Events	Venue
13:40 - 16:00	SESSION E – RODENTS AND BED BUGS Chairperson: Daniel Bajomi Bálbona Bio Ltd. Hungary	São João Del Rei A
13:40 - 14:00	<u>Solange Papini</u> , Lia E. Nakagawa, E. Narciso, Maria Inês de M. Andrade Bromadiolone Paraffin Blocks Not-Exposed and Exposed to the Environment	
14:00 - 14:20	<u>E. Schmolz</u> Influence of Bait Type and Active Substance on Rodenticide Palatability and Efficacy	
14:20 - 14:40	Maria Jeovánia F. Almeida-Silva, <u>Claudia Del Fava</u> , M.R. Potenza, F.C. Reis, and Ana Eugênia de C. Campos Diagnosis of <i>Capillaria hepatica</i> in <i>Rattus rattus</i> (Roof Rat) by Histopathology	
14:40 - 15:00	<u>V. Rylnikov</u> Palearctic Synanthropic Rodent Control	
15:00 - 15:20	Cirlene C. Caldas, <u>P.R. de Jesus</u> , M.R. Potenza, and Simone Aquino Fungal Contamination of Rat Baits	
15:20 - 15:40	<u>D. Bajomi</u> , J. Szilágyi, R. Naylor, and L. Takács S-Methoprene Formulations: Laboratory Tests for Efficacy Against Bedbugs	
15:40 - 16:00	<u>O.R.P. Bendeck</u> , J.F. Bernardini, F. Belluco, Letícia S. Poppin, Julia C. Oliveira, and R.L. Picanço Effectiveness of Imidacloprid + Betacyfluthrin to Control <i>Cimex lectularius</i> (Hemiptera, Cimicidae).	
16:00 - 16:30	Coffee Break	Espaço Sabará
16:30 - 17:30	SESSION E – RODENTS AND BED BUGS - <i>continue</i> Chairperson: Daniel Bajomi Bálbona Bio Ltd. Hungary	São João Del Rei A
16:30 - 16:50	<u>A. Hasenboehler</u> , and A. Kassel Thermal Treatment of Bed Bugs	
16:50 - 17:10	<u>Gabriele Schrader</u> , and E. Schmolz Thermal Tolerance of the Bed Bug	
17:10 - 17:30	<u>Birgit Habedank</u> , M. Reinsch, and Birgit Snelinski Advanced Method for Evaluation of the Residual Efficacy of Products to Control <i>Cimex lectularius</i> (Hemiptera: Cimicidae)	
19:00	Banquet Dinner Dress Code: Smart Casual Please check at the secretary (Foyer) for transfer information	



**WORKSHOP - PESTS IN HISTORIC BUILDINGS
RECOGNIZING AND CONTROLLING
August 9, 2011 – Tuesday (Teatro Ouro Preto)
Language Spoken – Portuguese
Simultaneous Translations for D. Pinniger's presentation (English/Portuguese)**

Organizers: João Justi Junior and Francisco José Zorzenon
Instituto Biológico, São Paulo, Brazil

- 9:00 - 12:00**
Major pests in historic buildings: termites and wood boring beetles
F. J. Zorzenon, Brazil
- 10:20 - 11:00 - Coffee break (Espaço Sabará)**
12:00 - 14:00 - Lunch
- 14:00 - 15:00**
Ants in historic buildings: damage, biology and control
Maria Fernanda M. de Zarzuela, Brazil
- 15:00 - 16:00**
Urban Cockroaches
Rodents in historic buildings
M. R. Potenza, Brazil
- 16:00 - 16:30 - Coffee break (Espaço Sabará)**
- 16:30 - 17:30**
Major pests in historic buildings: moths, silverfish and booklice
F. J. Zorzenon, Brazil
- Pigeons in urban areas: risks for the patrimony and health**
J. Justi Junior, Brazil