

8th International Conference on Urban Pests

20 – 23 July 2014 in Zurich

Preliminary Program



8th ICUP
ZURICH 2014

SUNDAY 20 July, 2014		University of Zurich, Main Building, Raemistrasse 71, 8006 Zurich
	Instruction of chairpersons	
16.00 – 18.00	REGISTRATION	
18.00 – 20.00	WELCOME RECEPTION	

MONDAY 21 July, 2014		University of Zurich, Main Building
08.40 – 08.50	Instruction of chairpersons	
	PLENARY SESSION	
09.00 – 09.20	Opening Words <i>Gabi Mueller, William H. Robinson and others</i>	
09.20 – 09.55	Flood Water Mosquitoes and Their Control in Wetlands <i>Peter Luethy</i>	
09.55 – 10.30	A Prevention Protocol for Limiting of Bed Bug Spread in Low-income Multi-Unit Housing Facilities <i>Molly L. Stedfast and Dini M. Miller</i>	
10.30 – 11.05	Coffee/Tea Break	
11.05 – 11.40	Gonadal development in winged forms of ants with application to management <i>Laurel Hansen and J. Witherell</i>	
11.40 – 12.15	Control of exotic and indigenous mosquitoes in Germany <i>Norbert Becker</i>	
12.15 – 13.45	Lunch	
13.45 – 14.20	Local Authority Pest Control Services in the UK: Pests, Performance and Profit <i>Joanne Fozzard, Gai Murphy, David Oldbury and Sabra Fearon</i>	
14.20 – 14.55	20 years history and future perspective of the International Conference on Urban Pests (ICUP) <i>William H. Robinson and Reiner Pospischil</i>	
14.55 – 15.25	Coffee/Tea Break	
	Session 1a BED BUGS	Session 1b MOSQUITOES
15.25 – 15.45	Bed Bug Nation: Is the United States Making Any Progress? <i>Michael F. Potter and Kenneth F. Haynes</i>	How can the citizen science project „Mückenatlas“ support science: mosquito monitoring (Diptera, Culicidae) in Germany <i>Doreen Werner, Susanne Hecker, Monique Luckas and Helge Kampen</i>
15.45 – 16.05	Bed bugs in the commercial aviation sector + Management of bed bugs on-board commercial airlines <i>Adam LR Juson</i>	Distribution of <i>Aedes albopictus</i> mosquitoes in an inland climate mountain area Nagano Prefecture, Japan <i>Kimio Hirabayashi, Masaaki Takeda, Naoko Nihei, Mutsuo Kobayashi and Sawabe Kyoko</i>
16.05 – 16.25	The nest-quest dynamics of bed bug populations; male and female responses to host signals <i>Anders Aak, Bjørn Arne Rukke, Arnulf Soleng and Marte K. Rosnes</i>	Surveillance and control of the invasive mosquito species <i>Aedes albopictus</i> in Switzerland <i>Pie Mueller, Valentin Pflueger, Elenora Flacio and Mauro Tonolla</i>
16.25 – 16.45	The propagation of bed bugs in Budapest <i>Gyoergy Papp, László Madaczki and Dániel Bajomi</i>	Mosquito-based arboviral survey in Western Lombardy (Italy), from 2009 to 2013 <i>Mattia Calzolari, F. Defilippo, M. Caimi, s. Savoldelli, V. Parco, S. Cinotti, and M. Dottori</i>

	TUESDAY 22 July, 2014			University of Zurich, Main Building
08.40 – 08.50	Instruction of chairpersons			
	Session 2a BED BUGS	Session 2b FLIES	Session 2c MEDICAL ENTOMOLOGY	
09.00 – 09.20	Studies on pyrethroid resistance in the bed bug <i>Cimex lectularius</i> in Berlin, Germany <i>Arlette Vander Pan, Carola Kuhn, Erik Schmolz, Jutta Klasen, Juergen Kruecken and Georg von Samson-Himmelstjerna</i>	Isolation and Characterisation of Bacteria Associated with <i>Musca domestica</i> (Diptera: Muscidae) in Hospitals <i>Matthew Davies, Anthony C. Hilton and Moray Anderson</i>	Tick-bite preventive behavior of people on recreational areas in Warsaw <i>Aleksandra Gliniewicz, E. Mikulak, A. Królasik, J. Myślewicz</i>	
09.20 – 09.40	Assessment Of Contact And Residual Activity of Natural-Based Products For Bed Bug Control <i>Kevin R. Hinson, Eric P. Benson, Patricia A. Zungoli, and Brittany R. Ellis</i>	Flight behavior of <i>Limnophyes natalensis</i> (Diptera: Chironomidae) in a food industry <i>Goro Kimura, Kimio Hirabayashi and Tsutomu Tanikawa</i>	The Conditions Of Tick Population Persistence In Urban Environment <i>Igor Uspensky</i>	
09.40 – 10.00	Confirmation of insecticide resistance in the bed bug, <i>Cimex lectularius</i> (Hemiptera: Cimicidae), in Australia <i>Dave G. Lilly, M.P. Zalucki, C.J. Orton, R.C. Russell, C.E. Webb and Stephen. L. Doggett</i>	The benefit of fly control on pig farms <i>Kai Sievert</i>	Insecticide Susceptibility and Resistance Mechanisms in Body Lice from Russia <i>Yuliya V. Lopatina, O.Yu. Eremina, L.S. Karan</i>	
10.00 – 10.20	Monitoring Of Insecticide Resistance In Bed Bug Populations From Two Cities Of Russia <i>S.A. Roslavtseva, M.A. Alekseev and D.A. Polupanov</i>	Season Long Blowfly Protection <i>Arthur Redpath</i>	Urban Scorpions Populations And Public Health in Brazil <i>Claudio MV Souza</i>	
10.20 – 11.00	Coffee/Tea Break			
	Session 3a MOSQUITOES	Session 3b ANTS	Session 3c TERMITES + COCKROACHES	
11.00 – 11.20	<i>Aedes albopictus</i> resistance status and population dynamics across the Swiss-Italian border <i>Tobias Suter, Eleonora Flacio, Duschinka Guedes, Begoña Ponzelli, Luca Engeler, Antonio MV Monteiro, Maria AV de Melo Santos, Magdalena H Silva-Filha, Lêda N Regis, Mauro Tonolla, and Pie Müller</i>	The invasive ant <i>Lasius neglectus</i> (Hymenoptera: Formicidae) in the UK: Status, impact and management <i>Clive Boase</i>	Control of <i>Blatta orientalis</i> (Blattodea: Blattidae) in two blocks of houses in Zurich, Switzerland <i>Isabelle Landau Luescher, Marcus Schmidt, Gabi Mueller</i>	
11.20 – 11.40	Dengue vector distribution and abundance in the Lower Rio Grande Valley, Texas, USA <i>Samantha Champion and Christopher Vitek</i>	<i>Lasius neglectus</i> in Rostock, Germany <i>Kai Gloyna</i>	Foraging, Agonistic and Feeding Behavior of <i>Reticulitermes flavipes</i> (Isoptera: Rhinotermitidae) during Colony Fusion at Various Temperatures under Laboratory Condition <i>Abudul Hafiz Ab Majid and Shripat T. Kamble</i>	
11.40 – 12.00	Mosquito Assemblage Diversity in Urban Parks, São Paulo, Brazil <i>Antônio R. Medeiros-De-Sousa, Daniel P. Vendrami, André B. B. Wilke, Paulo R. Urbinatti, Walter Ceretti-Júnior, Mauro T. Marrelli</i>	Impact of experimental design for efficacy testing of baits against <i>Monomorium pharaonis</i> on test outcome <i>Anne Krueger, Jutta Klasen, Erik Schmolz</i>	Economics of termite baiting: A case study in the Philippines <i>Partho Dhang</i>	
12.00 – 13.30	Lunch			

	Session 4a MOSQUITOES	Session 4b ANTS	Session 4c VERTEBRATES
13.30 – 13.50	Efficacy of a Novel Area Repellent Aerosol Formulation Against the Mosquito (Diptera: Culicidae) and the Fly (Diptera: Muscidae) under Field Conditions <i>Bryce. A. Peters, Peter. F. Miller and Andrew. M. Scrivener</i>	Mandibular Wear in <i>Camponotus chromaoides</i> Workers (Hymenoptera: Formicidae) <i>John Dukes III and William H Robinson</i>	Sewer Baiting for rats in the UK – Is it money down the drain? <i>Joanne Fozzard, Gai Murphy, David Oldbury, Sabra Fearon</i>
13.50 – 14.10	Evaluation of topical mosquito repellents and interpretation of efficacy data: a systematic review <i>Barbara Colucci and Pie Mueller</i>	Molecular characterization of ants of the <i>Camponotus</i> genus collected in urban parks of the city of Sao Paulo, Brazil <i>A. A de Oliveira, S. M. Cantone, A. E. C. Campos and R. Harakava</i>	Vertebrate pest management <i>Virginie Latard, Joffrey Goulois, Lionel Legros</i>
14.10 – 14.30	Plant based mosquito repellents – a solution for people avoiding chemical repellents? <i>Aleksandra Gliniewicz, E. Mikulak</i>		Queensland's newest invasion - feral urban deer: a case study <i>Mariama Mattila, Shelley Burgin</i>
14.30 – 15.00	Coffee/Tea Break		
15.00 – 17.00	POSTER SESSION		
19.00 – 24.00	CONFERENCE DINNER		

	TUESDAY 22 July, 2014 – WORKSHOP FOR PEST MANAGEMENT PROFESSIONALS	University of Zurich, Main Building
8.40 – 8.50	Instruction of chairpersons	
	Chairpersons Anton Hasenboehler (morning) + Stephan Biebl (afternoon)	
09.00 – 09.30	Bed Bug Nation: Is the United States Making Any Progress? <i>Michael F. Potter and Kenneth F. Haynes</i>	
09.30 – 10.00	Bed bugs in the commercial aviation sector + Management of bed bugs on board commercial airlines <i>Adam LR Juson</i>	
10.00 – 10.30	A Prevention Protocol for Limiting of Bed Bug Spread in Low-income Multi-Unit Housing Facilities <i>Molly L. Stedfast and Dini M. Miller</i>	
10.30 – 11.00	Coffee/Tea Break	
11.00 – 11.30	ThermoNox® - warm air treatment with recirculating air <i>Martin Hofmeir</i>	
11.30 – 11.45	The dos and don'ts for thermal treatments of bed bugs <i>Christian Zehnder and Marcus Schmidt</i>	
11.45 – 12.15	New Research Findings for the Treatment of Woodboring Beetles with Oxygen-Free Atmospheres <i>Stephan Biebl</i>	
12.15 – 13.30	Lunch	
13.30 – 14.00	'Woodworm' <i>Anobium punctatum</i>: current knowledge and development treatments <i>Robert Child and David Pinniger</i>	
14.00 – 14.30	Likelihood of infestations by <i>Tineola bisselliella</i> (webbing clothes moth) out of natural reservoirs <i>Ruediger Plarre</i>	
14.30 – 15.00	Coffee/Tea Break	
15.00 – 15.30	The distribution of <i>Ctenolepisma longicaudatum</i> (Zygentoma: Lepismatidae) in the Netherlands; a serious household pest of modern residences? <i>Bruce Schoelitsz and Mike Brooks</i>	
15.30 – 16.00	<i>Lasius neglectus</i> in Rostock and the UK <i>Kai Gloyna and Clive Boase</i>	
16.00 – 16.30	Insecticide resistance management in urban pests <i>Mark Hoppé</i>	
16.30 – 17.00	FINAL DISCUSSION	
19.00 – 24.00	CONFERENCE DINNER	

	WEDNESDAY 23 July, 2014			University of Zurich, Main Building
08.40 – 08.50	Instruction of chairpersons			
	Session 5a INVASIVE SPECIES	Session 5b STRUCTURAL + MUSEUM PESTS	Session 5c INSECTICIDES + NOVEL FORMULATIONS	
09.00 – 09.20	Invading Species – a Challenge for Pest Management <i>Reiner Pospischil</i>	New Research Findings for the Treatment of Woodboring Beetles with Oxygen-Free atmospheres <i>Stephan Biebl</i>	CEPA, and CEN, the European Standards Agency, create a Pan-European standard to contribute towards defining Professional Pest Management Services <i>Roland Higgins</i>	
09.20 – 09.40	Geographic Information Tecnologies Applications for Urban Integrated Pest Managment in Madrid City <i>José-María Cámara; Pilar Torres and Manuel García-Howlett</i>	‘Woodworm’ <i>Anobium punctatum</i>: current knowledge and development treatments <i>Robert Child and David Pinniger</i>	PolyZone, a polymer enhanced formulation technology to prolong the effectiveness of insecticidal surface sprays <i>Johan Kijlstra, Guenther Nentwig, Frank Rosenfeldt, Rainer Sonneck, Byron Reid and Volker Gutschmann</i>	
09.40 – 10.00	Recent range expansion of brown marmorated stink bug, <i>Halyomorpha halys</i>: Will Europe soon face the same problems as the US? <i>Tim Haye, Denise Wyniger, Tara Garipey</i>	A new biological control method for the common furniture beetle: Braconid wasps versus Anobiidae <i>Judith Auer and Alexander Kassel</i>	Cyantraniliprole: A Novel Insecticide for Control of Urban Pests <i>A. Bywater, C.W. Scherer, Mark Hoppé, N.T. Gallagher, E. Roper, C. Long, D. Cox, M. Coffelt and Bob Cartwright</i>	
10.00 – 10.20	Scientific experiences from pest advisory in Vorarlberg (Austria) <i>Klaus Zimmermann</i>	Erasing the Asian Longhorned Beetle with determined actions, but at high costs <i>Severin Schwendener, Urs Kamm and Markus Hochstrasser</i>	Reducing Pesticide Runoff in Urban Waterways <i>Michael K. Rust, Les Greenberg and Dong-Hwan Choe</i>	
10.20 – 11.00	Coffee/Tea Break			
	Session 5a INVASIVE SPECIES	Session 5b STRUCTURAL + MUSEUM PESTS	Session 5c INSECTICIDES + NOVEL FORMULATIONS	
11.00 – 11.20	Outbreak of blow flies and rats, and their control in the affected areas after the Great Tsunami <i>Yuichiro Tabaru, Motokazu Hirao, Jyunichiro Katayama and Mamoru Watanabe</i>	Likelihood of infestations by <i>Tineola bisselliella</i> (webbing clothes moth) out of natural reservoirs <i>Ruediger Plarre</i>	Indoxacarb Resistance in the German Cockroach, <i>Blattella germanica</i> (L.) (Dictyoptera: Blattellidae) after Subjected to Bait Selection <i>Ling-Hui Ang and Chow-Yang Lee</i>	
11.20 – 11.40	Redescription of <i>Aedes aegypti</i> (L) and the detection of dengue virus from field collected larvae of <i>Aedes aegypti</i> from different areas of Lahore: Pakistan <i>Farkhanda Manzoor, Hania Ramzan and Aslam Khan</i>	The distribution of <i>Ctenolepisma longicaudatum</i> (Zygentoma: Lepismatidae) in The Netherlands; a serious household pest of modern residences? <i>Bruce Schoelitsz and Mike Brooks</i>	Use of clothianidin as a new active substance in cockroach gel baits <i>Byron Reid, Thomas Boecker, Rainer Sonneck, Guenther Nentwig and Deborah Koufas</i>	
11.40 – 12.00	From Telex to Twitter: Development of communication between Urban Entomologists <i>David Loughlin</i>		Evaluating A New Concept In Cockroach Baiting <i>Steven Broadbent and Julian Entwistle</i>	
12.00 – 13.30	Lunch			

	Session 6a THERMAL TREATMENT	Session 6b ANTS	Session 5c INSECTICIDES + NOVEL FORMULATIONS
13.30 – 13.50	ThermoNox® - warm air treatment with recirculating air <i>Martin Hofmeir</i>	Diversity of ponerinae ants using urban areas for reproduction: their potential threat to human health <i>Stefano Cantone and Ana Eugênia de Carvalho Campos</i>	Actellic® 300CS, the reinvention of an effective mosquito adulticide <i>Mark Hoppé and Andy Bywater</i>
13.50 – 14.10	The dos and don'ts for thermal treatments of bed bugs <i>Christian Zehnder and Marcus Schmidt</i>	Treatment Considerations for the Asian Needle Ant, <i>Pachycondyla chinensis</i> (Emery) <i>Patricia Zungoli, Eric Benson, Ying Mo and Brittany Ellis</i>	Aquatain AMF: Summary of Efficacy Trials <i>Graham Strachan</i>
14.10 – 14.30	Heat treatment for insect control in the 21st Century - methyl bromide not missed and many new opportunities created <i>David Hammond</i>		Insecticide resistance management in urban pests <i>Mark Hoppé</i>
14.30 - 15.00	Coffee/Tea Break		
15.00 – 16.00	Round table discussions (with 1 presentation each):		
	1. Ants		
	2. Bed bugs	Detection of knockdown resistance (<i>kdr</i>) in <i>Cimex lectularius</i> and <i>C. hemipterus</i> (Hemiptera: Cimicidae) <i>K. Dang, C.S. Toi, Dave Lilly, W-J. Bu and Stephen L. Doggett</i>	
	3. Invasive Species		
	4. Future Pest Management		
16.10 – 16.40	Short statements of each discussion		
16.40 – 17.00	CLOSING CEREMONY		