



P Programme

ICO 2013 **CONGRESS PROGRAMME**

As of: 09.06.2013

Freising
UPPER BAVARIA / GERMANY

17th to 22st June 2013

International Congress of
Odonatology
2013
FREISING



Dr. Florian Weihrauch

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Sunday, 16th June 2013

14:00 Registration

18:30 **Dinner**

20:00 Public lecture in the assembly hall:

Film by **Dagmar Hilfert-Rüppell** and **Georg Rüppell** (in German language)

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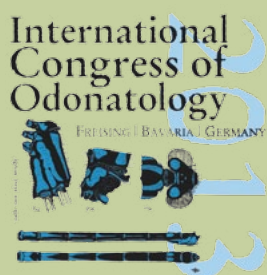
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Monday, 17th June 2013

- 07:30** Registration
- 09:00** Opening and welcome words
Dr. Rolf Helfrich (Bavarian State Ministry for Environment and Health)
- 09:30** **Session 1. THE HOME MATCH: ALPINE ODONATOLOGY.**
Chair: Christian Stettmer
- 09:30** 1.1 Alois Bilek and the tale of the congress logo
Florian Weihrauch
- 09:45** 1.2 Siberia in the Alps: Recent status, habitat requirements, and conservation of *Coenagrion hylas* in Central Europe
Armin Landmann
- 10:00** 1.3 Restoration of peat bogs and protection of *Nehalennia speciosa* in Bavaria: A conflict in targets?
Michael Winterholler, Gerhard Suttner
- 10:15** 1.4 *Somatochlora alpestris* – a dragonfly at its ecological limits
Hansruedi Wildermuth
- 10:30** **Coffee break**
- 11:00** **Session 2. MORPHOLOGY AND PHYSIOLOGY**
Chair: Sönke Hardersen
- 11:00** **Plenary talk:**
- 2.1 To attach, to protect, to advertise: micro- and nanostructures of dragonflies as possible basis for biomimetics
Stanislav N. Gorb
- 11:45** 2.2 Functional morphology aspects of the mating behavior of Odonata
Jana Willkommen, Jan Michels, Markus Heneka, Stanislav N. Gorb
- 12:00** 2.3 Dragonfly wing veins: a composite structure supplemented by resilin
Esther Appel, Chung-Ping Lin, Stanislav N. Gorb



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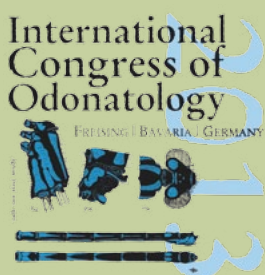
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Monday, 17th June 2013

12:15 Commemorating Anatoly Haritonov and Gordon Pritchard:
A minute's silence

Henri J. Dumont

12:30 Lunch

14:00 Session 2. MORPHOLOGY AND PHYSIOLOGY

Chair: Stanislav N. Gorb

14:00 2.4 The sensory systems of Odonata: perceiving the world through the eyes and more...

Manuela Rebora, Silvana Piersanti, Elda Gaino

2.5 A new insight in the chemical ecology of insects: the role of chemical cues in 'visual dependent insects'

Silvana Piersanti, Francesca Frati, Manuela Rebor, Eric Conti, Elda Gaino, Gianandrea Salerno

14:30 2.6 Wing length allometry in Odonata – differences between families and in relation to migratory behavior

Sönke Hardersen, Roberto Sacchi

14:45 2.7 The thorax musculature of Odonata and the homology with Neoptera

Sebastian Büsse, Thomas Hörnschemeyer

15:00 Session 3. PHYLOGENY OF DRAGONFLIES: IS THE FINAL BATTLE ABOUT TO BEGIN?

Convenors: Klaas-Douwe B Dijkstra, Vincent J. Kalkman

Chair: Klaas-Douwe B. Dijkstra

15:00 3.1 General introduction; progress on dragonfly phylogeny in the last decade

Michael L. May

15:15 3.2 Phylogeny of the Calopterygidae

Henri J. Dumont

15:30 3.3 Phylogeny and biogeography of the Platystictidae

Jan van Tol, Matjaž Bedjanič, Klaas-Douwe B. Dijkstra, Vincent J. Kalkman, Frank R. Stokvis



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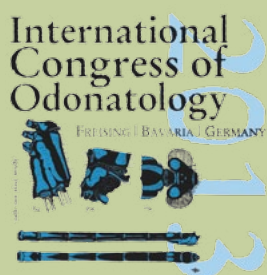
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- 15:45** 3.4 Megapods to smithereens
Vincent J. Kalkman, Klaas-Douwe B. Dijkstra, Rory A. Dow,
Frank R. Stokvis, Jan van Tol
- 16:00** **Coffee break**
- 16:30** **Session 3. PHYLOGENY OF DRAGONFLIES: IS THE FINAL BATTLE ABOUT TO BEGIN?**
Chair: **Vincent J. Kalkman**
- 16:30** 3.5 Phylogeny of Coenagrionoidea
Klaas-Douwe B. Dijkstra, Vincent J. Kalkman, Rory A. Dow,
Frank R. Stokvis, Jan van Tol
- 16:45** 3.6 Extraordinary level of species diversity in Vietnamese Chlorogomphidae and Cordulegastridae and recent developments in their taxonomy
Haruki Karube
- 17:00** 3.7 An insight into the phylogeny of basal Anisoptera families
Günther Fleck
- 17:15** 3.8 Phylogeny of Libelluloidea: Why so many?
Jessica L. Ware
- 17:30** 3.9 The relevance of palaeontological data for understanding the age and origin of extant odonates
Günter Bechly
- 17:45** 3.10 Towards the final tree
Seth M. Bybee
- 18:00** Discussion
- 19:00** **Dinner**
- 20:00** International Journal of Odonatology, Editorial Board meeting



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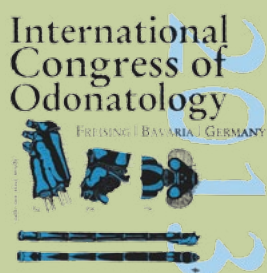
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Tuesday, 18th June 2013

08:30 Registration

09:00 **Session 4. ETHOLOGY**

Chair: Yoshitaki Tsubaki

09:00 **Plenary talk:**

4.1 Why migrate? Frost, flood, fish, and food.

Michael L. May

09:50 4.2 Riding on floatsam: odonate larvae in the drift

Andreas Martens

10:10 4.3 Colouration and presentation: wing clapping in the Calopterygoidea

André Günther

10:30 **Coffee break**

11:00 **Session 4. ETHOLOGY**

Chair: Sónia Ferreira

11:00 4.4 Film: Female refusal behaviour

Dagmar Hilfert-Rüppell, Georg Rüppell

11:25 4.5 The contributions of male mate choice to the maintenance of female polymorphism in damselflies

Jennette Fox, Arne Iserbyt, Stefan Van Dongen, Tom Sherratt, Christopher Hassall

11:40 4.6 Pre- and postmating prezygotic barriers in heterospecific interactions between closely related damselflies

Iago Sanmartín-Villar, Adolfo Cordero-Rivera, Rosa Ana Sánchez-Guillén

11:55 4.7 Damselfly females prefer hot males: higher courtship success of males in sun spots

Yoshitaka Tsubaki, Yuka Samejima, Michael T. Siva-Jothy

12:10 Discussion

12:20 Congress group photograph in the inner courtyard



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Tuesday, 18th June 2013

12:30 Lunch

14:00 Session 5. ODONOMICS

Convenors: M. Olalla Lorenzo-Carballa, Phillip C. Watts

Chair: M. Olalla Lorenzo-Carballa, Phillip C. Watts

14:00 5.1 Transcriptomic response to extreme genetic erosion in a threatened damselfly

Phillip C. Watts, M. Olalla Lorenzo-Carballa, David J. Thompson

14:15 5.2 Genomics of the polymorphic damselfly *Ischnura elegans*

Maren Wellenreuther

14:30 5.3 DNA and morphology to disentangle species boundaries in Antillean damselflies of the genus *Hypolestes* (Megapodagrionidae)

Yusdiel Torres Cambas, **M. Olalla Lorenzo-Carballa**, Sónia Ferreira, Phillip C. Watts, Adolfo Cordero-Rivera

14:45 5.4 Thinking forward: defining, approaching, and solving the current problems in odonate higher level phylogeny using next generation techniques

Seth M. Bybee

15:00 Discussion

15:10 BRIEF POSTER PRESENTATIONS I

Chair: Florian Weihrauch

Sequence: 13.1, Andrew; 13.4, Bakare; 13.8, Dhamani; 13.23, Steinhoff; 13.11, Gořab; 13.18, Lorenzo-Carballa; 13.17, Watts; 13.19, Salerno; 13.21, Sánchez-Herrera; 13.5, Bota-Sierra; 13.7, Carvalho; 13.2, Andrew

16:00 Coffee break

16:30 Session 6. NEOTROPICS

Chair: Joachim Hoffmann

16:30 6.1 Evolution and behavioral ecology of Neotropical damselflies

Rhainer Guillermo-Ferreira, Pitágoras C. Bispo



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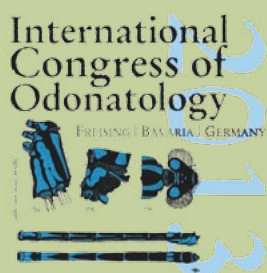
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Tuesday, 18th June 2013

- 16:45** 6.2 A preliminary phylogenetic analysis of some *Argia* Rambur 1842 (Odonata: Coenagrionidae) species based on larval morphology
Mónica Torres-Pachón, Rodolfo Novelo-Gutiérrez
- 17:00** 6.3 A cladistics analysis of Sympetrinae Tillyard, 1917, with an emphasis in the group of specialized femoral armature: the genera of 'Erythemismorpha' (Odonata: Libellulidae)
Ângelo Parise Pinto, Alcimar do Lago Carvalho, Carlos José Einicker Lamas
- 17:15** 6.4 The genus *Mesamphiagrion* Kennedy, 1920, in Colombia (Odonata: Coenagrionidae), with the description of four new species
Cornelio Andrés Bota-Sierra, Martha Isabel Wolff Echeverri
- 17:30** 6.5 Rubyspots: an interesting disparity between morphology and molecules
Melissa Sánchez-Herrera, Mayra Saenz, Emilio Realpe, Jessica L. Ware
- 17:45** 6.6 Radiation despite niche conservatism in the Neotropical damselfly genus *Megaloprepus*?
Wiebke Feindt, Tina Baake, Ola M. Fincke, Heike Hadrys
- 18:00** 6.7 Cuatro Ciénegas, Coahuila: An oasis of dragonfly diversity in a Mexican desert
Enrique González-Soriano, Héctor Ortega-Salas, Marysol Trujano-Ortega
- 18:15** Discussion
- 19:00** **Dinner**
- 20:00** IUCN Dragonfly Specialist Group meeting



P Programme

Wednesday, 19th June 2013 (Mid-Congress Tour)

08:30 Registration

09:00 **Session 7. MIXED BAG**

Chair: Enrique González-Soriano

09:00 **Plenary talk:**

7.1 Biotic interactions with Odonata: a review on parasitism and commensalism

Andreas Martens

10:10 **Departure to the Mid-Congress Tour**

Buses will leave at the city bus stop, where the downhill footway from the ‚Domberg‘ (clerical hill) reaches the ‚Bahnhofstraße‘. Please note that our buses will leave from there absolutely on time (in the well-known German sense of punctuality!) because they are only allowed to stay at the bus stop for boarding. Make sure to be there in time!

ca 12:30 **Lunch in the field; lunch packs will be provided**

ca 17:30 Return from the Mid-Congress Tour to the Domberg

18:00 WDA Board of Trustees meeting

18:30 **Dinner**

20:00 8th Biennial General Meeting of the Worldwide Dragonfly Association

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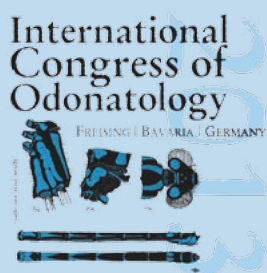
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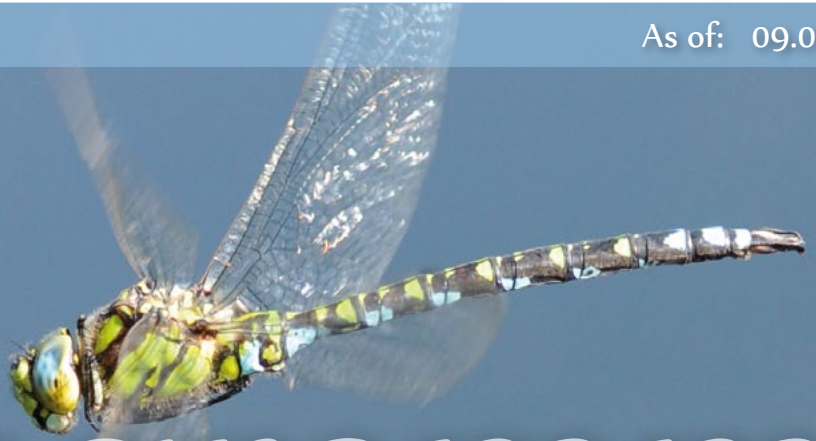
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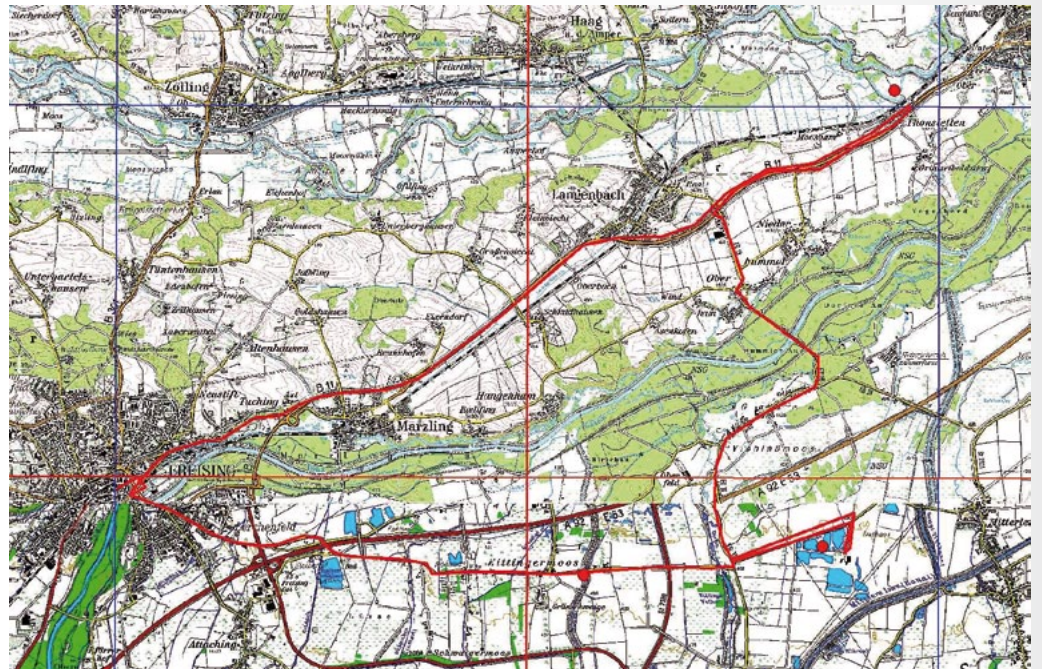
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Wednesday, 19th June 2013 (Mid-Congress Tour)



Route of the Mid-Congress Tour from Freising with the three stops

- **„Vorflutgraben Nord“** (*drainage ditch of Munich Airport*),
 - **Kieswerk Gutbrod** (*gravel pit ponds*),
 - and an oxbow lake near **Thonstetten**,
- indicated by red dots.

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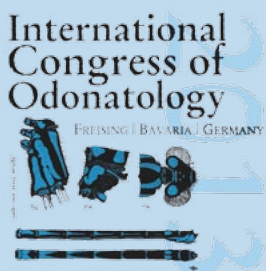
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Thursday, 20th June 2013

- 08:30** Registration
- 09:00** **Session 7. MIXED BAG**
Chair: Jessica L. Ware
- 09:00** 7.2 Film: Reactions of dragonflies to frog attacks
Georg Rüppell, Dagmar Hilfert-Rüppell
- 09:30** 7.3 Edmond de Selys Longchamps, founder of Odonatology
Marcel Wasscher
- 09:45** 7.4 Demons or angels: dragonfly symbolism in the early 17th century still lifes in the Low Countries
Alcimar do Lago Carvalho
- 10:00** 7.5 An automated system for identifying dragonflies from wings
William R. Kuhn, Nidhi Dharithreesan, Gareth Russell
- 10:15** 7.6 Dragonflies and cities – species occurrence and diversity in urban habitats
Diana Goertzen
- 10:30** **Coffee break**
- 11:00** **Session 8. CONSERVATION AND MANAGEMENT**
Convenors: **Christian Stettmer**, **Hansruedi Wildermuth**
Chair: Hansruedi Wildermuth
- 11:00** 8.1 A conservation program in the Mediterranean for *Lestes macrostigma*
Philippe Lambret
- 11:15** 8.2 Conservation of *Coenagrion mercuriale* in Switzerland: research and management
Daniela Keller
- 11:30** 8.3 Distribution and threats to the populations of *Caliaeschna microstigma* (Schneider, 1845) at the western edge of its range
Marina Vilenica, Dejan Kuljer, Despina Kitanova

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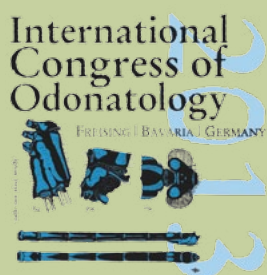
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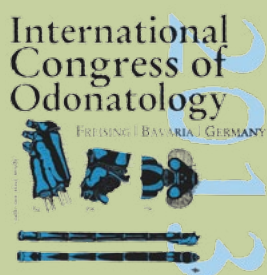
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- 11:45** 8.4 Habitat conservation for *Cordulegaster heros* in the Czech Republic (Odonata: Cordulegastridae)
Kateřina Holuřová, Otakar Holuša
- 12:00** 8.5 Distribution and protection of dragonflies of European conservation concern in Bosnia and Herzegovina
Dejan Kulijer, Geert de Knijf, Matija Franković
- 12:15** 8.6 The Dragonfly Association Index – a new tool for the type-specific assessment of lowland rivers
Andreas Chovanec, Johann Waringer
- 12:30** **Lunch**
- 14:00** **Session 8. CONSERVATION AND MANAGEMENT**
Chair: Michael J. Samways
- 14:00** 8.7 An overview on the protection of dragonflies (Odonata) in Europe
Geert De Knijf
- 14:15** 8.8 Dragonflies – guardians of the rice fields
Jürgen Ott
- 14:30** 8.9 How are Australia's listed dragonflies doing?
Günther Theischinger
- 14:45** Discussion
- 15:00** **Session 9. BIODIVERSITY**
Chair: Michael J. Samways
- 15:00** 9.1 Molecular phylogenetic analysis of the Libellulidae of Mizoram, northeastern India, using mitochondrial Cytochrome Oxidase I gene marker
Laltanpuii, Manu Thomas Mathai, N. Senthil Kumar
- 15:15** 9.2 Contrasting the diversity of odonates in the five islands within the Straits of Malacca
Farizawati Sabri, A.G. Idris, Y. Norma-Rashid, Y.F. Ng



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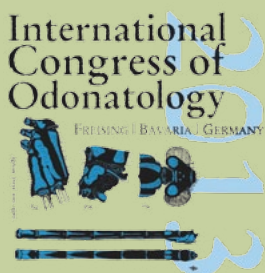
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Thursday, 20th June 2013

15:30 9.3 Population, distribution, and habitat characteristics of *Zyxomma obtusum* in the City and Regency of Malang, East Java (Odonata: Libellulidae)

Bernadeta Putri Irma Dalia, Magdalena Putri Nugrahani, **Tabita T. Makitan**

15:45 9.4 Characteristics of the odonate assemblages of African biomes

Frank Suhling

16:00 **Coffee break**

16:30 **BRIEF POSTER PRESENTATIONS II**

Chair: Florian Weihrauch

Sequence: 13.6, Bota-Sierra; 13.3, Sánchez-Herrera; 13.20, Salerno; 13.13, Hartung; 13.15, Holuša; 13.9, Fliedner; 13.10, Hardersen; 13.12, Golfieri; 13.16, Kulijer; 13.22, Schloemer

17:00 Poster session

18:20 **Departure to the Congress Dinner**

Buses will leave again at the city bus stop, where the downhill footway from the ‚Domberg‘ (clerical hill) reaches the ‚Bahnhofstraße‘. Please note that our buses will leave from there absolutely on time (in the true German sense), because they are only allowed to stay at the bus stop for boarding. Make sure to be there in time!

19:00 **Congress Dinner**

The Congress Dinner will take place in a Bavarian countryside inn. Table water, soft drinks, beers, table wine, and coffee are included in the price. The dinner is supposed to be a cheerful and festive event. Since Bavarians prefer to be more informal, there is no dress code, and casual clothing is perfectly acceptable. Everyone should feel comfortable!

ca 22:30 Departure of the first bus to Freising, arrival at the Domberg ca 23:00

ca 23:30 Departure of the second bus to Freising, arrival at the Domberg ca 24:00



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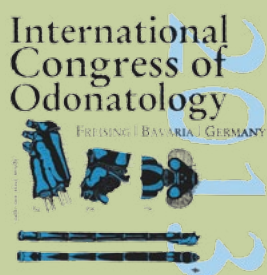
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Friday, 21st June 2013

08:30 Registration

09:00 Session 10. LIFE HISTORIES

Chair: Frank Suhling

09:00 Plenary talk:

10.1 Life history patterns revisited: Seasonal regulation and cohort splitting in temperate-zone Odonata

Ulf Norling

09:50 10.2 Larval development of six European *Lestes* species

Franz-Josef Schiel

10:10 10.3 Photoperiod and variation in developmental rates in core and peripheral populations of the damselfly *Lestes sponsa*

Szymon Śniegula, Frank Johansson

10:30 Coffee break

11:00 Session 10. LIFE HISTORIES

Chair: Andreas Martens

11:00 10.4 A model for simulating dragonfly life cycles: application for studying latitudinal compensation hypotheses

Frank Suhling, Otto Richter, Juliane Kellner, Ida Suhling

11:20 Session 11. ECOLOGY

Chair: Andreas Martens

11:20 11.1 Predation and pollution in a warming world: what can we learn from latitudinal gradients?

Robby Stoks

11:40 11.2 Farmland versus forest: comparing changes in Odonata species composition in western and eastern Sweden

Kamilla Koch, Göran Sahlén

12:00 11.3 Habitat selection of larval *Macromia clio* and *M. daimoji* in Taiwan (Odonata: Macromiidae)

Klaus Guido Leipelt



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- 12:15** 11.4 Sex-ratios, survivorship, and phenology in a sexual population of *Ischnura hastata* from Cuba (Odonata: Coenagrionidae)
M. Olalla Lorenzo-Carballea, Yusdiel Torres Cambas, Adolfo Cordero-Rivera
- 12:30** **Lunch**
- 13:30** WDA Board of Trustees meeting
- 14:00** **Session 11. ECOLOGY**
Chair: John Hawking
- 14:00** 11.5 Field notes on the oviposition of *Ceriagrion coromandelianum* (Fabricius) in central India (Odonata: Coenagrionidae)
Raymond J. Andrew
- 14:15** 11.6 Embryonic development and inter-specific predation in three species of the genus *Sympetrum*
Hiroshi Jinguji
- 14:30** 11.7 The impact on domestic dragonflies by invasive alien species: examples from Japan with the recent expansion of an alien damselfly
Haruki Karube, Fukui Motoharu
- 14:45** Discussion
- 15:00** **Session 12. WATCH THE DRAGON, SEE THE CHANGE: ODONATES AS INDICATORS OF ECOLOGICAL INTEGRITY AND CLIMATE CHANGE**
Convenors: Jürgen Ott, John P. Simaika
Chair: John Hawking
- 15:00** 12.1 Watch the dragon, see the change
John P. Simaika
- 15:20** 12.2 How to monitor the unknown
Jürgen Ott
- 15:40** 12.3 Placing the Odonata in the context of the biological response to environmental change: a case study using UK records
Christopher Hassall
- 16:00** **Coffee break**



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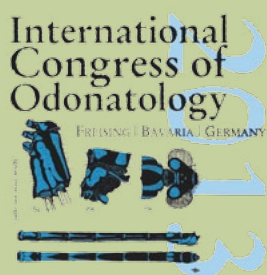
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Friday, 21st June 2013

16:30 Session 12. WATCH THE DRAGON, SEE THE CHANGE

Chair: Jürgen Ott, John P. Simaika

16:30 12.4 Getting the measure of freshwaters using dragonflies in a changing world

Michael J. Samways, John P. Simaika

16:45 12.5 Use of DBI in southern South America: first steps in Argentina
Javier Muzón, **Federico Lozano**

17:00 12.6 Dragonfly monitoring in the Netherlands: abundance trends versus distribution trends

Tim Termaat, Arco J. van Strien, Vincent J. Kalkman

17:15 12.7 Can post-mining areas be considered 'secondary biodiversity hotspots'? Dragonflies already know the answer

Filip Harabiš, Aleš Dolný

17:30 12.8 First results of dragonfly monitoring via an 'Ecological Area Sample' in North Rhine-Westphalia, Germany

Klaus-Jürgen Conze

17:45 Discussion

18:15 ICO 2013 AWARDS

18:30 Closing and farewell words

19:00 Dinner