



# P Programme

## ICO 2013 **CONGRESS PROGRAMME**

As of: 09.06.2013

Freising  
UPPER BAVARIA / GERMANY

17<sup>th</sup> to 22<sup>st</sup> June 2013

International Congress of  
Odonatology  
**2013**  
FREISING



**Dr. Florian Weihrauch**

Jaegerstrasse 21A  
85283 Wolnzach  
GERMANY

Fon: +49 8442 956510  
[registration@ico2013.eu](mailto:registration@ico2013.eu)



## Sunday, 16<sup>th</sup> 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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International  
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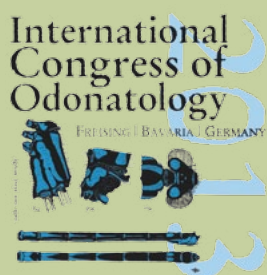
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## Monday, 17<sup>th</sup> June 2013

- 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



# Programme

## Monday, 17<sup>th</sup> 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 Reborá**, 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 Reborá, 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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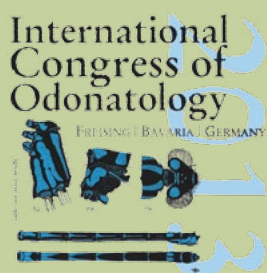
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## Monday, 17<sup>th</sup> June 2013

- 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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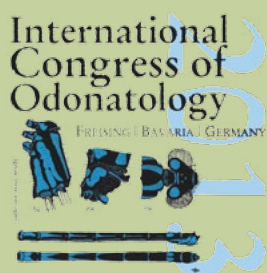
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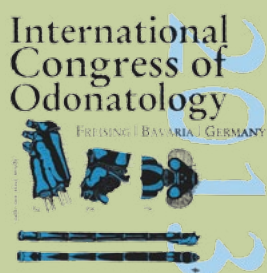
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## Tuesday, 18<sup>th</sup> June 2013

**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, 18<sup>th</sup> 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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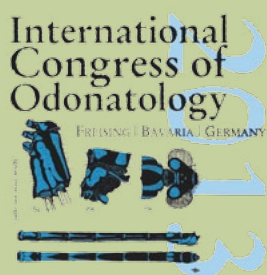
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## Tuesday, 18<sup>th</sup> June 2013

- 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 rogramme

## Wednesday, 19<sup>th</sup> 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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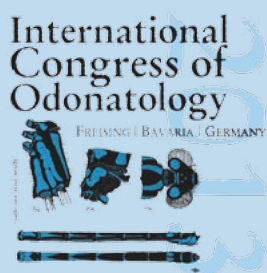
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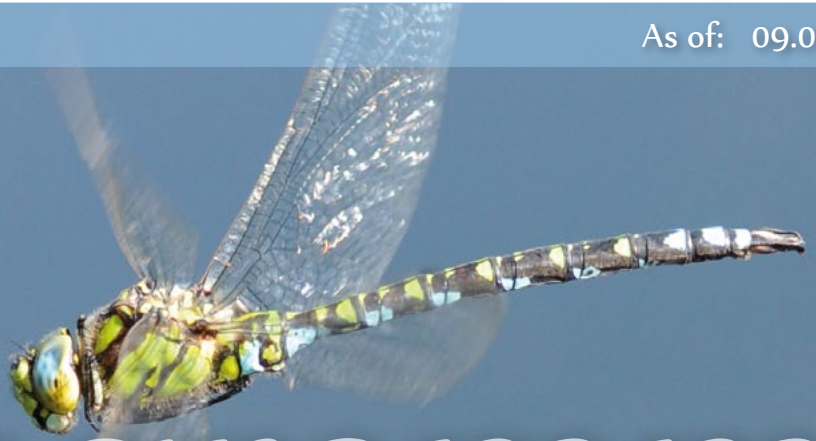
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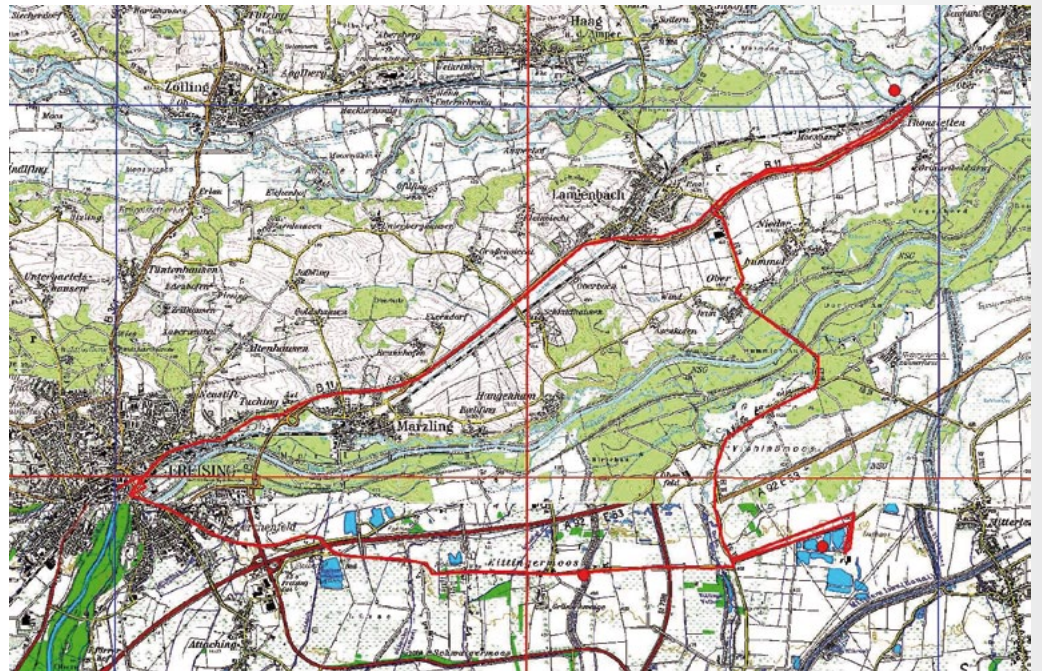
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## Wednesday, 19<sup>th</sup> June 2013 (Mid-Congress Tour)



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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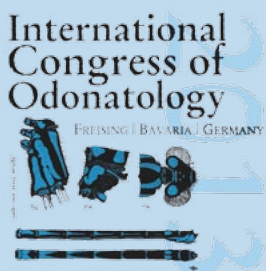
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## Thursday, 20<sup>th</sup> June 2013

- 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 17<sup>th</sup> 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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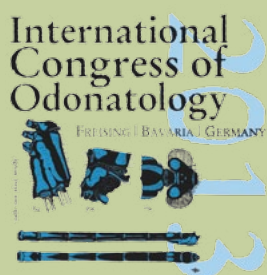
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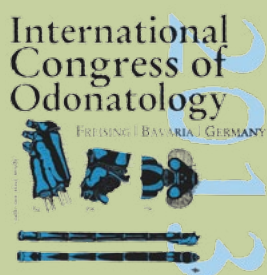
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### Thursday, 20<sup>th</sup> June 2013

- 11:45** 8.4 Habitat conservation for *Cordulegaster heros* in the Czech Republic (Odonata: Cordulegastridae)  
**Kateřina Holuřov, Otakar Holuřa**
- 12:00** 8.5 Distribution and protection of dragonflies of European conservation concern in Bosnia and Herzegovina  
**Dejan Kulijer, Geert de Knijf, Matija Frankovi**
- 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  
**Jrgen Ott**
- 14:30** 8.9 How are Australia’s listed dragonflies doing?  
**Gnther 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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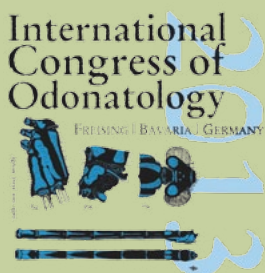
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## Thursday, 20<sup>th</sup> June 2013

**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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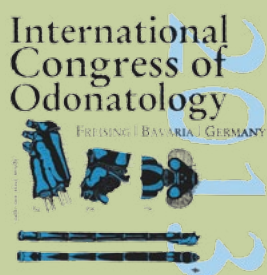
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## Friday, 21<sup>st</sup> June 2013

**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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## Friday, 21<sup>st</sup> June 2013

- 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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Tuesday, 18<sup>th</sup> June

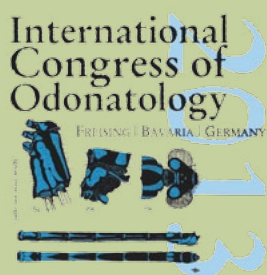
Wednesday, 19<sup>th</sup> June

Thursday, 20<sup>th</sup> June

Friday, 21<sup>st</sup> June

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## Friday, 21<sup>st</sup> 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