

# 2012 International Congress of Odonatology

"Dragonflies in the Changing World"

## Program



July 28-August 2, 2012

Odawara, Japan

# Program

**Saturday, July 28**

## **Registration**

[Lecture room]

10:00 - 13:00

## **Public talks**

Chair : H. Karube

[Museum theater]

13:00 - 13:20 Opening

13:20 - 14:20 **Y. Nagahata** : Satoyama Landscape as habitat for dragonflies in Japan and Primorsky Krai (Russia)

14:20 - 15:20 **A. Cordero Rivera** : Reproduction without sex: the origin and status of *Ischnura hastata* in the Azores archipelago

15:20 - 15:40 Coffee Break

15:40 - 16:40 **M.J. Samways** : Future landscapes for conservation

## **Reception**

[Museum cafeteria]

17:20 - 20:00

**Sunday, July 29**

## **Opening**

Chair : Y. Tsubaki

[Museum theater]

09:00 - 10:00

10:00- 10:20 Coffee Break

**Commemorative session for late Dr. Syoziro Asahina**

Chairs : K. Inoue & W. Piper  
[Museum theater]

10:20- 10:40 **S. Eda** : Dr. Asahina, his personal history and published books

10:40- 11:00 **A. Sasamoto & R. Futahashi** : Revision of some Japanese odonate taxonomy inferred from the results of DNA analyses; the cases of Japanese *Rhipidolestes* species and *Orthetrum melania* and its allies

11:00- 11:20 **Z. Guan, B.-P. Han & H.J. Dumot** : *Atrocalopteryx melli* on Hainan Island, Southern China

11:20- 11:40 **K. Inoue & R. Futahashi** : Thoracic pattern analysis of dragonflies in relation to molecular phylogeny

**Lunch Break & Tea ceremony**

[Lecture room]

11:40- 13:40

**Plenary talk 1**

Chairs : M. Samways & M. Watanabe  
[Museum theater]

13:40- 14:20 **F.Hayashi** : Slight but significant modification of male genitalia in Calopterygidae

**Oral session 1. Biodiversity & Conservation 1**

Chairs : M. Samways & M. Watanabe  
[Museum theater]

14:20- 14:40 **Y. Nagahata** : Effects of the tsunami disaster on Odonata assemblages

14:40- 15:00 **T. Yamanaka, R. Futahashi, T. Kadoya, A. Sasamoto, Y. Morioka & T. Osawa** : Reconstruction of the past: effective exploitation of historical records of odonate

species

15:00- 15:20 **H.J. Dumont** : *Pyrrhosoma* and its relatives

15:20- 15:40 Coffee Break

### **Group photographing**

[Front of the Museum]

15:40- 16:00

### **Video session**

Chairs : G. Jacquemin & M. Piper

[Museum theater]

16:00- 16:20 **G. Rüppell & D. Hilfert-Rüppell** : Behaviour of dragonflies (Presented by K. Inoue)

## **Monday, July 30**

### **Plenary talk 2**

Chairs : A. Cordoba-Aguilar & T. Kadoya

[Museum theater]

09:00- 09:40 **Y.Tsubaki** : Species interaction and character divergence

### **Oral session 2. Evolution & Taxonomy 1**

Chairs : A. Cordoba-Aguilar & T. Kadoya

[Museum theater]

09:40- 10:00 **J. van Tol** : The origin and evolution of forest damselflies (Odonata: Platystictidae)

10:00- 10:20 **R.J. Rowe** : Larvae: what we ought to know

10:20- 10:40 **T. Koyama, T. Yokoyama & Y. Hirose** : Micropores in the vitelline layer of the eggs of the dragonfly, *Oligoaeschna pryeri*: preliminary observation from the view point of oxygen uptake

10:40- 11:00 Coffee Break

**Oral session 3.** Behavior & Ecology 1

Chairs : H.J. Dumont & F. Hayashi  
[Museum theater]

11:00- 11:20 **S. Combes, D. Rundle & J. Iwasaki** : Dragonfly predation flight dynamics and ecological insights

11:20- 11:40 **N. Ishizawa** : Ground effect of patrol flight of *Anotogaster sieboldii* males

11:40- 12:00 **T. Kadoya & I. Washitani** : Use of multiple habitat types with asymmetric dispersal affects patch occupancy of the damselfly *Indolestes peregrinus* in a fragmented landscape

**Lunch Break**

[Lecture room]

12:00- 13:40

**Plenary talk 3**

Chairs : Y. Tsubaki & G. Sahlén  
[Museum theater]

13:40- 14:20 **A. Córdoba-Aguilar** : Sexual selection in odonates: an update

**Oral session 4.** Behavior & Ecology 2

Chairs : Y. Tsubaki & G. Sahlén  
[Museum theater]

14:20- 14:40 **R.A. Sánchez-Guillén, D.I. Galicia-Mendoza & A. Cordero-Rivera** : Males learn to prefer gynochrome females in a polymorphic damselfly (Odonata: Coenagrionidae)

14:40- 15:00 **H. Naraoka** : Reproductive behavior of *Mortonagrion hirosei* Asahina, with special reference to intra-male sperm translocation just after copulation (Coenagrionidae)

15:00-15:20 **N. Ishizawa** : Analysis of flight of Odonata by using a high-speed video camera in relation to responses of Odonata to a rotating dummy

15:20-15:40 Coffee Break

### Poster session

Chairs: T.-W. Tam & A. Sasamoto  
[Lecture room]

15:40-17:00

- #1 **K. Tsuchiya & F. Hayashi** : Left-handed sperm removal by male calopterygid damselflies
- #2 **H. Okuyama & Y. Tsubaki** : Light-oriented and shade-oriented micro-habitat segregation in two closely related *Mnais* damselflies
- #3 **H. Karube and T. Odajima** : Northing of *Aciagrion migratum* in Kanagawa Prefecture, Japan
- #4 **K. Ohtsu** : Sensitivity to some paddy field insecticide of Japanese common meadowhawk, Akiakane (*Sympetrum frequens*) larvae
- #5 **B. Feriwibisono & N. Christian** : The diversity of Odonata (Insecta) in the Water Spring Area of Wendit Malang Regency, East Java, Indonesia
- #6 **H.-C. Tang & S.-L. Chen** : Dragonfly fauna of Taipei Zoo, Taipei, Taiwan
- #7 **I.-L. Lee, T.-L. Tung & K.-C. Wong** : An overview on the family Coenagrionidae (Odonata: Zygoptera) of Taiwan
- #8 **K. Tone & T. Katoh** : Morphological and molecular difference between two species of the dragonfly, genus *Somatochlora* in Hokkaido, Japan
- #9 **G. Sharma** : Studies on the reproductive behavior of selected species of Damselflies and Dragonflies (Odonata:

Insecta) in India

**Tuesday, July 31**

**Mid Congress Field Trip**

**Wednesday, August 1**

**Plenary talk 4**

Chairs : A. Cordero Rivera & S. Nomakuchi  
[Museum theater]

09:00 - 09:40 **M.J. Samways** : Loss of 60 million years of odonatological evolution narrowly averted by controlling invasive aliens

**Oral session 5. Biodiversity & Conservation 2**

Chairs : A. Cordero Rivera & S. Nomakuchi  
[Museum theater]

09:40 - 10:00 **H. Karube & M. Fukui** : Serious impact on the domestic dragonflies by invasive alien species: the case in Japan

10:00 - 10:20 **T. Kadoya, M. Akasaka, T. Aoki & N. Takamura** : Exploring an integrated biodiversity indicator for agricultural ponds

10:20 - 10:40 **J. Vivas-Santelíz** : Odonata from the National Park Sierra de Perijá, Zulia-Venezuela: preliminary results

10:40 - 11:00 Coffee Break

**Plenary talk 5**

Chairs : R.J. Rowe & R. Futahashi  
[Museum theater]

11:00 - 11:40 **H. Jinguji** : Recent decline of rice-field dwelling *Sympetrum* spp.: verification of pesticide application impacts

**Oral session 6.** Biodiversity & Conservation 3

Chairs : R.J. Rowe & R. Futahashi  
[Museum theater]

11:40 - 12:00 **J. Ott** : Dragonflies in rice fields of Southeast Asia – first results of the LEGATO-project

**Lunch Break**

[Lecture room]

12:00 - 13:00

**Photo session 1**

[Museum theater]

13:00 - 13:40

**Plenary talk 6**

Chairs : J. Ott & H. Jinguji  
[Museum theater]

13:40 - 14:20 **M. Watanabe** : Mitigation project of the endangered brackish water damselfly, *Mortonagrion Hirosei*, in estuarine landscape

**Oral session 7.** Biodiversity & Conservation 4

Chairs: M.J. Samways & H. Jinguji  
[Museum theater]

14:20 - 14:40 **H. Ubukata & Y. Kurauchi** : Comparison of efficiency and fidelity among sampling methods using different life stages for monitoring the odonate community of a large pond

14:40 - 15:00 **G. Sahlén** : Causes of a changing species composition in Swedish lakes: agriculture, climate change and forestry acting together



### **Dragonfly photo honoring**

Chair : A. Ozono

[Museum theater]

15:00 - 15:20

15:20 - 15:40 Coffee Break

### **WDA Board of trustees meeting**

Chair : G. Sahlén

[Meeting room]

15:40 - 17:00

### **Congress Dinner**

[Yumoto Fujiya Hotel]

18:00 - 20:00

## **Thursday, August 2**

### **Plenary talk 7**

Chairs : J. van Tol & H. Ubukata

[Museum theater]

09:00- 09:40 **J. Ott** : Dragonflies and global change – effects of climate change, land use change and alien invasive species on dragonflies

### **Oral session 8. Biodiversity & Conservation 5**

Chairs : J. van Tol & H. Ubukata

[Museum theater]

09:40-10:00 **T. Kiyoshi** : Geographical variation in the wing morphology of the golden-ringed dragonfly *Anotogaster sieboldii* (Selys, 1854) detected by landmark-based geometric morphometrics

10:00-10:20 **T.-W. Tam** : Community structure of the dragonflies in

Nankunshan Nature Reserve, Huizhou, Guangdong, China

10:20- 10:40 Coffee Break

### Plenary talk 8

Chairs : J. Taylor & T. Kiyoshi  
[Museum theater]

10:40- 11:20 **R. Futahashi** : Mechanisms of color pattern formation and evolution in dragonflies

### Oral session 9. Evolution & Taxonomy 2

Chairs : J. Taylor & T. Kiyoshi  
[Museum theater]

11:20- 11:40 **S. Büsse, P. von Grumbkow, S. Hummel, D.N. Shah, R.D.T. Shah, J. Li, X. Zhang, K. Yoshizawa, S. Wedmann & T. Hörnschemeyer** : Only one species of *Epiophlebia*? – first DNA analysis of all *Epiophlebia* species (Insecta: Odonata)

11:40- 12:00 **K.-C. Wong, T.-W. Chan & T.-Y. Chuang** : Taxonomic studies of the larval stage of Aeshnidae (Odonata) in Taiwan

12:00- 12:20 **K. Inoue** : Problems on the female dimorphism of *Deielia phaon*

### Lunch Break

[Lecture room]

12:20- 13:20

### Photo session 2

[Museum theater]

13:20 14:00

### Workshop : Conservation actions

Chairs : W. Wain & H. Karube  
[Museum theater]

- 14:00- 14:20 **H. Karube** : How to make people become odonatologists
- 14:20- 14:30 **T. Odajima, A. Odajima & K. Odajima** : Faunal research in Sagamihara city
- 14:30- 14:40 **M. Ishii** : Mark and re-capture research on *Planaeschna milnei*
- 14:40- 14:50 **A. Suwabe** : What did the four-year route census elucidated? Surveys in “Oyama-kôchi”, Aikawa-machi, Kanagawa Prefecture
- 14:50- 15:00 **M. Machida & M. Machida** : Conservation of dragonflies and their habitats in northern part of Minami-ashigara-shi, Kanagawa Prefecture
- 15:00- 15:20 Coffee Break

**ICO Award honoring**

Chair : H. Ubukata

[Museum theater]

15:20- 15:40

**Closing**

Chair : K. Inoue

[Museum theater]

15:40- 16:00