

International Congress of Odonatology 2017

Clare College, Cambridge, UK Jul 16–20

Program at a glance

<p>Sunday 16 July 0830: Late registration & housekeeping 0900: Session 1. Chair: Mike Parr 0900: Plenary lecture — Mike May 0930: Presentations 1030 – 1100: Morning tea 1100: Session 2. Chair: Manuel Ferreras Romero 1100: Plenary lecture — Ulf Norling 1130: Plenary lecture — Frank Suhling 1200: Presentations 1235 – 1315: Lunch 1315: Session 1: Flight. Chair: Richard Rowe 1530 – 1550: Afternoon tea 1550 – 1735: Session 2: Flight (cont'd)</p> <p>Monday 17 July 0830: Housekeeping 0845: Session 1. Chair: Ola Fincke 0845: Plenary lecture — Erik Svensson 0915: Presentations 1030 – 1050: Morning tea 1050: Session 2. Chair: Javier Muzón 1050: Plenary lecture — Göran Sahlén 1120: Presentations 1240 – 1320: Lunch 1320: Session 1: Vision. Chair: TBA 1530 – 1550: Afternoon tea 1550 – 1750: Session 2: Vision (cont'd)</p> <p>1900 – 2100: IJO Editorial Board meeting</p> <p>Tuesday 18 July 0830: mid-Congress tour of Wicken Fen, Ely & Woodwalton Fen</p> <p>1900 – 2100: WDA Outgoing Board meeting</p>	<p>Wednesday 19 July 0830: Housekeeping 0845: Session 1. Systematics & phylogeography. Chair: TBA 0845: Plenary lecture — Jessica Ware 0915: Plenary lecture — Seth Bybee 0945: Presentations 1030 – 1050: Morning tea 1050: Session 2. Chair: TBA 1220: Group photo 1230 – 1315: Lunch 1315: Session 1. Chair: TBA 1530 – 1550: Afternoon tea 1550: Session 2. Poster viewing; Workshop</p> <p>1630 – 1730: WDA Biennial General Meeting</p> <p>1900 – 2100: WDA Incoming Board meeting</p> <p>Thursday 20 July 0830: Housekeeping 0845: Session 1. Chair: Florian Weihrauch 0845: Plenary lecture — Michael Samways 0915: Plenary lecture — Klaas-Douwe Dijkstra 0945: Presentations 1030 – 1050: Morning tea 1050: Session 2. Chair: TBA 1205 – 1250: Lunch 1250: Session 1: Ten years since Philip Corbet. Chair: Mike May 1510 – 1530: Afternoon tea 1530: Session 2: Ten years since Philip Corbet (cont'd) 1645 – 1730: Winding up: Student prizes; Invitation to Austin; Thanks and acknowledgements; Final words</p> <p>1930: Formal Congress Dinner, Caius College Hall</p>
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ICO 2017 Full Program

Presenter is underlined

Sunday 16 July

Morning 0830 to 1235

0830 – 0845: Late registration

0845 – 0900: Housekeeping – Richard Rowe

Session 1. Chair: Mike Parr

0900 – 0930: Plenary lecture — Mike May: Odonatology, 2017–2050

0930 – 0945: Marcel Wasscher: A few gleanings from the dawn of odonatology 1750–1850

0945 – 1000: Klaus-Jürgen Conze: Dragonflies in Northrhine-Westfalia 1996–2016

1000 – 1015: Cornelio Bota-Sierra, Federico Escobar, Carlos García, Gustavo Londoño & Rodolfo Novelo: Tropical mountain Odonata under climate change: the adults' thermal perspective

1015 – 1030: Quoc Toan Phan: An introduction to dragonflies and damselflies of Vietnam

1030 – 1100 Morning tea

Session 2. Chair: Manuel Ferreras Romero

1100 – 1130: Plenary lecture — Ulf Norling: Proximate responses in the seasonal regulation of *Lestes sponsa*: egg diapause termination, hatching synchrony, and effects of photoperiod on larval development

1130 – 1200: Plenary lecture — Frank Suhling: Life cycle and seasonality of African Odonata

1200 – 1215: Alice Denis, Ophélie Payet, Samuel Danflous, Nicolas Gouix, Frédéric Santoul & Laurent Pelozuelo: Effects of water temperature on phenology and morphology of riverine Odonata

1215 – 1230: Ulf Norling: Some aspects of European *Coenagrion* life-histories and their regulation

1235 – 1315 Lunch

Afternoon 1315 to 1735

Session 1: Flight. Chair: Richard Rowe

1315 – 1330: Georg Rüppell: Kinematics of dragonfly flight (a commentated video)

1330 – 1400: Ed Jarzembowski & Daran Zheng: Evolution of the odonate wing

1400 – 1430: Esther Appel, Hamed Rajabi & Stanislav Gorb: Structure and properties of dragonfly wings: composite structure of fibrous material supplemented by resilin

1430 – 1500: Günther Pass: Insect wings are not “dead” cuticular structures

1500 – 1530: Robin Wootton: The flight of Odonata: uniqueness and diversity, answers and questions

1530 – 1550 Afternoon tea

Sunday 16 July (cont'd)

Session 2: Flight (cont'd)

1550 – 1620: Fritz-Olaf Lehmann: Wing phasing in dragonflies

1620 – 1650: Richard Bomphrey, Toshiyuki Nakata, Per Henningsson, Huai-Ti Lin: Flight analysis, aerodynamics and flight modes

1650 – 1720: Stacey Combes, Susan F. Gagliardi, Mary K. Salcedo, Jay M. Iwasaki, Daniel E. Rundle & James D. Crall: More than one way to capture prey: comparative flight biomechanics and capture strategies of hunting dragonflies

1720 – 1735: Dagmar Hilfert-Rüppell & Georg Rüppell: Flight variations in coloured-winged dragonflies (video)

Monday 17 July

Morning 0830 to 1235

0830 – 0845: Housekeeping

Session 1. Chair: Ola Fincke

0845 – 0915: Plenary lecture — Erik Svensson: Odonates as a bridge between micro- and macroevolution

0915 – 0930: David Outomuro, Utku Urhan, Anders Brodin, Erik I. Svensson, & Frank Johansson: Why do birds prey more often on large-spotted *Calopteryx* damselflies?

0930 – 0945: Manuela Reborá, Francesca Frati, Silvana Piersanti, Gianandrea Salerno & Ola M. Fincke: Visual versus non-visual cues in sex recognition and harassment of *Ischnura elegans* damselflies under field conditions

0945 – 1000: André Günther: Signalling with clear wings in African Chlorocyphidae

1000 – 1015: Yesenia Margarita Vega-Sánchez, Andrés Rodríguez-Piña, Ayari Yazil Salgado-Equihua, Luis Felip Mendoza-Cuenca & Antonio González-Rodríguez: Species recognition system in Rubyspots: morphometric and genetic patterns

1015 – 1030: Alberto Corral-Lopez, Javier E. Varg, Yiselle P. Cano, Rafael Losada, Emilio Realpe & David Outomuro: Polythoridae damselflies avoid predation by mimicking the UV-reflective wing band of unpalatable glasswing butterflies

1030 – 1050 Morning tea

Session 2. Chair: Javier Muzón

1050 – 1120: Plenary lecture — Göran Sahlén: Forests and dragonflies revisited

1120 – 1135: Stefan Pinkert, Klaas-Douwe B. Dijkstra, Dirk Zeuss, Christoph Reudenbach, Roland Brandl & Christian Hof: Evolutionary processes, dispersal limitations and climatic history shape current diversity patterns of European dragonflies

1135 – 1150: Samuel Renner, Eduardo Périco, Marina Schmidt Dalzochio & Göran Sahlén: Land cover and water body type shape the Odonata communities in the Brazilian Pampa

1150 – 1205: Diana Goertzen & Frank Suhling: Large-scale impact of anthropogenic land-use on dragonfly fauna and diversity

1205 – 1220: Amila P. Sumanapala: The future of endemic Odonata in Sri Lanka under changing climatic patterns

Monday 17 July (cont'd)

Session 2 (cont'd)

1220 – 1235: Vanessa Amaya-Vallejo, Rodolfo Novelo-Gutiérrez, Emilio Realpe & Heike Hadrys: New Odonata species from Anchicaya (Valle del Cauca, Columbia): an integrative approach

1240 – 1320 Lunch

Afternoon 1320 to 1750

Session 1: Vision. Chair: TBA

1320 – 1330: Introductory words

1330 – 1400: Gert Stange: Anatomy and physiology of the ocelli of the dragonfly, *Hemicordulia tau*

1400 – 1430: Richard Rowe: Dragonfly vision: what they can do, what do they see?

1430 – 1500: Simon Laughlin: Why do dragonflies have the longest photoreceptors in the animal kingdom?

1500 – 1530: Doekele G. Stavenga: Odonate vision and coloration

1530 – 1550 Afternoon tea

Session 2: Vision (cont'd)

1550 – 1620: Ryo Futahashi: Opsin gene diversity in dragonflies

1620 – 1650: David O'Carroll: Neural processing

1650 – 1720: Paloma Gonzalez-Bellido: A deadly game of “tag”: what are TSDNs and do they drive the dragonfly predatory attack?

1720 – 1750: Jack Supple: Descending sensorimotor control in dragonflies and damselflies

Evening 1900 – 2100: IJO Editorial Board meeting

Tuesday 18 July

0830 – mid-Congress tour of Wicken Fen, Ely, Woodwalton Fen

Evening 1900 – 2100: WDA Outgoing Board meeting

Wednesday 19 July

Morning 0830 to 1220

0830 – 0845 Housekeeping

Session 1: Systematics/phylogeography. Chair: TBA

0845 – 0915: Plenary lecture — Jessica Ware: Molecular phylogeny of Gomphidae

0915 – 0945: Plenary lecture — Seth Bybee, John Abbott, Adolfo Cordero, Klaas-Douwe Dijkstra, Vincent Kalkman & Jessica Ware: Searching for strength in the backbone of Odonata phylogeny

0945 – 1000: Beatriz Willink, Jessica Ware & Erik Svensson: A species phylogeny to study trait evolution in pond damselflies (Odonata: Coenagrionidae)

Wednesday 19 July (cont'd)

Session 1 (cont'd)

1000 – 1015: Wiebke Feindt & Heike Hadrys: Genomic research in *Megaloprepus caerulatus*: a non model system points towards the future of studying Neotropical Odonata

1015 – 1030: Nathalie Johansson, Jessica L. Ware & Göran Sahlén: Studying hidden diversity: *Aeshna grandis* from Sweden are highly genetically variable

1030 – 1050 Morning tea

Session 2. Chair: TBA

1050 – 1105: Melissa Sanchez-Herrera, Christopher Beatty, Camilo Salazar & Jessica L. Ware: A biogeographical story of the Neotropical banner wing damselflies (Zygoptera: Polythoridae)

1105 – 1120: Manpreet K. Kohli, Göran Sahlén & Jessica L. Ware: Genetic structure among different populations of *Aeshna juncea* in the Holarctic

1120 – 1135: Héctor Ortega-Salas & Enrique González-Soriano: Taxonomy and systematics of the Central American genus *Paraphlebia* Selys in Hagen, 1861

1135 – 1150: Manpreet K. Kohli, Göran Sahlén & Jessica L. Ware: Low levels of genetic variation in the treeline emerald, *Somatochlora sahlbergi*

1150 – 1205: Jessica Ware: *Pantala*: genetics suggest it really is a global wanderer

1205 – 1220: William R. Kuhn, Jessica L. Ware, John C. Abbott, Melissa Sanchez-Herrera & Dirk Gassmann: Automatic dragonfly identification with Odomatic and the Targeted Odonata Wing Digitization (TOWD) project

1220 – 1230 Group photo

1230 – 1315 Lunch

Afternoon 1315 to 1620

Session 1. Chair: TBA

1315 – 1345: Alison Paskins & John Abbott: Publishing your research — tips for success

1345 – 1400: Karin Verspui & Marcel Wasscher: Promoting Selys' watercolour collection with illustrations of damselflies and dragonflies as a source for research

1400 – 1415: Rhainer Guillermo-Ferreira: Neotropical Odonata

1415 – 1430: Javier Muzón: The founding and future of the Sociedad(e) de Odonatología Latinoamericana (SOL)

1430 – 1445: José Alejandro Cuéllar-Cardozo, M. Castro-Rebolledo & M. Alejandra Jaramillo: Odonate diversity and its relation with land uses along “La Avería” stream in tropical dry forest in Colombia

1445 – 1500: Amelia Nugrahaningrum & R.C. Hidayat Soesilohadi: The Javanese endemic damselfly *Drepanosticta spatulifera*: distribution and fluctuating population in Petungkriyono Forest, Central Java

1500 – 1515: Emily L. Sandall & Andrew R. Deans: Importance of life stage capture in dragonfly specimen digitization

1515 – 1530: Velesia Lesch, Hindrik Bouwman, Ayako Kinoshita & Yasuyuki Shibata: First report of perfluoroalkyl substances in South African Odonata

Wednesday 19 July (cont'd)

1530 – 1550 Afternoon tea

Session 2.

1550 – 1620

Poster viewing

Workshop: Karin Verspui: Puzzling illustrations of Selys' watercolour collection: A workshop devoted to discussing a limited number of puzzling illustrations of the watercolour collection of Selys. Karin welcomes odonate taxonomists from all over the world to discuss the odonates depicted on some of the watercolours that until now have remained unidentified.

1630 – 1730: WDA 10th Biennial General Meeting

1900 – 2100: WDA Incoming Board meeting

Thursday 20 July

Morning 0830 to 1205

0830 – 0845 housekeeping

Session 1. Chair: Florian Weihrauch

0845 – 0915: Plenary lecture — Michael Samways: The Cape of Good Hope for dragonflies in the Anthropocene

0915 – 0945: Plenary lecture — Klaas-Douwe Dijkstra: Africa, freshwater and dragonflies: natural history and conservation in the continent of change

0945 – 1000: Xin Yu: The phoenix damselfly (*Pseudolestes mirabilis*), my love, from taxonomy to conservation

1000 – 1015: John C. Abbott & Kendra K. Abbott: The status of *Cordulegaster sarracenia* Abbott & Hibbits, 2011 with notes on its biology and a description of the final instar nymph (Odonata: Cordulegastridae)

1015 – 1030: Dominik Jablotschkin: An approach for prioritizing dragonfly habitats on the basis of heterogeneous data

1030 – 1050 Morning tea

Session 2. Chair: TBA

1050 – 1105: Camilla R. Sharkey, Anton Suvorov & Seth M. Bybee: Exploring visual pigment evolution in odonates

1105 – 1120: Sebastian Büsse & Stanislav N. Gorb: Material composition of mouthpart cuticle in Odonata and its possible biomechanical significance

1120 – 1135: Yuta Ichikawa & Mamoru Watanabe: Daily egg production in females of the wandering glider dragonfly, *Pantala flavescens*, in relation to food intake (Odonata: Libellulidae)

1135 – 1150: Huai-Ti Lin: Wireless neural telemetry recording in freely flying dragonflies

1150 – 1205: Silvana Piersanti, Stanislav Gorb & Manuela Rebora: The antennal sensilla in Odonata larvae

1205 – 1250 Lunch

Thursday 20 July (cont'd)

Afternoon 1250 to 1730

Session 1. Ten years since Philip Corbet Chair: Mike May

1250 – 1305: Steve Brooks: Philip Corbet: his legacy

1305 – 1320: Frank Suhling: Corbet's contribution to the knowledge of African dragonfly larvae and their ecology

1320 – 1335: Andreas Martens: Ballistic defaecation as a widespread phenomenon in larval Anisoptera (Odonata)

1335 – 1355: Mike May: Catching up with migration

1355 – 1410: Manuel Ferreras-Romero & Boudjéma Samraoui: Seasonality and life history of Mediterranean Odonata

1410 – 1425: Mike Samways: The evolution of dragonfly conservation

1425 – 1440: David Chelmick: British Dragonfly Society - Philip Corbet's brainchild and still vital in today's world

1440 – 1455: Adrian Parr: UK distribution mapping project

1455 – 1510: Gary Powney, Steve S.A. Cham, Dave Smallshire & Nick Isaac: Patterns of change in the Odonata of Britain

1510 – 1530 Afternoon tea

Session 2. Ten years since Philip Corbet (cont'd)

1530 – 1545: Chris Hassall: The evolutionary ecology of urban dragonfly populations

1545 – 1600: Mike Siva Jothy: Courtship and physiological traits – why are some males sexier than others?

1600 – 1615: Klaas-Douwe Dijkstra: Corbet's successes and Moore's successors: odonatology's metamorphosis from scientific society to conservation community

1615 – 1630: Ola Fincke: Philip Corbet: mentor to a very green and grateful grad student

1630 – 1645: Richard Rowe: Words – Philip: past, present, and future

1645 – 1730: Winding up: Javier Muzón
Student prizes (Boudjéma Samraoui, Nancy van der Poorten)
Invitation to Austin (John Abbott)
Thanks and acknowledgements
Final words

1730: Break up

1930: Formal Congress Dinner, Caius College. Old Courts Dining Hall

Posters

1. Junli Xue: A revised classification of the genus *Matrona* (Zygoptera, Calopterygidae) and further considerations about phylogeography
2. Xin Ning: Rechecking the species group of *Coelliccia cyanomelas* (Zygoptera: Platycnemididae)
3. F. Frati, S. Piersanti, M. Rebola & G. Salerno: Chemical cues in Odonata: laboratory investigations
4. Velesia Lesch: A potential identification technique to identify individual dragonflies using four, two-digit numbers
5. Mārtiņš Kalniņš: Distribution and population size of Odonata in Latvia from 1778 till 2016: the role of forest management
6. Javier Muzón & Federico Lozano: A new genus and species of Coenagrionidae (Zygoptera) from South America
7. Perla Bogarín-Topete & E. González-Soriano: Observations on a community of adult Odonata inhabiting a temporary water body in the tropical region of Chamela, Jalisco, Mexico
8. Wataru Higashikawa, Mayumi Yoshimura & Kao Maeto: Microhabitat use by an endangered dragonfly *Sympetrum pedemontanum elatum* (Selys) in Japan
9. Judicael Fomekong Lontchi, Jacques Anselme Massussi, Zéphirin Tadu, Stéphanie Kakam, Gertrude Tchoudjin, Syntiche Aymele Choungmo & Champlain Djieto-Lordon: The diversity of the dragonfly fauna in Minko (South Cameroon)
10. Faten Morghad & Boudjéma Samraoui: Environmental determinants of biodiversity of Odonata of two Mediterranean rivers in northeast Algeria
11. Boudjéma Samraoui, Sami Al-Obaid, Jacob Thomas, Ahmed Al-Farhan, Hamed A. El-Serehy & Wolfgang Schneider: An update of the odonate fauna of Saudi Arabia
12. Héctor Ortega-Salas: Odonata endemism areas in México derived from species distribution models
13. F. Lozano, A. del Palacio & J. Muzón: Description of the final instar larva of *Argia serva* Hagen in Selys, 1865 (Odonata: Coenagrionidae)
14. Javier Muzón & Lía Ramos: Decoupling positional and environmental variations from Gloger's ecogeographical rule: an intraspecific case from the Patagonian damselfly *Cyanallagma interruptum*
15. Ulf Norling: A succession of response patterns in the control of larval development in temperate zone Odonata
16. Maximilian Tschol, John T. Waller & Erik I. Svensson: Broad scale patterns in the evolution of wing pigmentation in Odonata: roles of geography, climate and sexual selection