



9th International Congress of Dipterology

25–30 November 2018

Windhoek, Namibia

25–30 November, 2018, Windhoek, Namibia

<http://icd9.co.za/>

Second Circular

Dear fellow Dipterists and Entomologists,

On behalf of the Council for the International Congresses of Dipterology and the ICD9 Organising Committee, I cordially invite you to attend the 9th International Congress of Dipterology in Windhoek, Namibia, from 25–30 November 2018.

ICD9 is dedicated to the memory of the late Roger Ward Crosskey (1930–2017), former Honorary Member of ICD, Editor of the *Catalogue of the Diptera of the Afrotropical Region* and author of numerous papers and books on the Simuliidae and Tachinidae, in recognition of his outstanding contributions to the study of dipterology in Africa and the world.

Registration is now open. In this Second Circular we provide information on ICD9 which will assist you to plan your attendance and participation. Please visit our official website at <http://icd9.co.za/> for additional information.

Our Organising Committee is striving to make this Congress a scientific highlight for colleagues from around the world. As well as five excellent plenary speakers, the Congress will cover all major aspects of dipterology, including systematics and taxonomy, morphology, evolution, biodiversity and conservation, ecology, disease vectors, forensic entomology, phytosanitary Diptera, *etc.* (see list of symposia below). We are especially pleased to note that many of these have special relevance to Diptera researchers based in Africa, specifically symposia on the themes of disease vectors, economically important fruit flies and forensic dipterology.

Social events at the Congress comprise a Welcome reception and a separate evening reception for the official launch of the *Manual of Afrotropical Diptera* (both open to all delegates), which will be launched by the BBC and Discovery Channel natural history presenter Dr George McGavin. The Congress banquet (not included in the registration fee), will take place at the Safari Conference Centre, with a light after dinner speech by Dr Martin Hauser, entitled "Africa and me! – a dipterist's perspective".

ICD9 is organising a Fly Photography Competition and will award prizes and certificates for the Best student presentations and Best student posters, with excellent academic books on Diptera as prizes and as part of our public outreach programme two public lectures will be held in collaboration with the Namibian Scientific Society.

Some financial support for students is already available through the S.W. Williston Research Fund http://entomology.si.edu/Diptera_Williston_Fund.htm and we are awaiting the outcome of several applications for sponsorship. We continue to seek financial support and do our utmost to arrange for travel funds for delegates in need. Please check our "Sponsorship" page on the website for further details.

You can now register and submit your abstracts using our on-line system and take advantage of the early registration fee by registering before 28 February 2018.

If you are not planning to attend ICD9 and wish to have your details deleted from our distribution list please let me know.

I look forward to meeting you all in Windhoek in November 2018.

Ashley H. Kirk-Spriggs
(ICD9 Chair and ICD representative)

Welcome from the Chair of CICD

To everybody with an interest in two-winged insects,

Every four years we gather for another International Congress of Dipterology. I have attended every one of these and I still remember how I, as a recently graduated MSc, began to build my professional networks and also made lasting personal friendships at the 1st International Congress of Dipterology in Budapest in 1986.

Our Congresses are always well attended and they provide great opportunities to be inspired by the many contributions across the field of dipterology. Next year will see our first International Congress of Dipterology in the Afrotropical Region and I am looking forward to this every bit as much as I have done to all the others.

Plenary speakers and a promising palette of scientific symposia are already in place. The Congress venue – the Safari Hotel and Conference Centre in Windhoek – has the size, the experience and the technical capacity we need for making the ICD9 another successful Congress.

I have visited Namibia only once before, when I undertook a month of field work in November 1999. I was immediately struck by the natural splendor of the country and mesmerized to see how life finds a way in even the most challenging habitats.

On behalf of the Council for the International Congresses of Dipterology I am cordially encouraging you to attend the ICD9 in Windhoek.

Best regards,



Thomas Pape
CICD chair

Council for the International Congresses of Dipterology

CICD Members: Thomas Pape (Chair), Rudolf Meier (Vice-Chair), Ashley H. Kirk-Spriggs (Secretary/Treasurer), Daniel Bickel, Stephen D. Gaimari, Valery Korneyev, Carlos José Einicker Lamas, Angeles Marcos-García, Kazuhiro Masunaga, Erica McAlister, James E. O'Hara, Adrian R. Plant, Marc Pollet, Shaun Winterton and Manuel A. Zumbado.

CICD Honorary Members: Neal Luit Evenhuis, Fan Zi-de, Nina Pavlovna Krivosheina, Emilia Petrovna Nartshuk, Adrian Charles Pont, Frederick Christian (Chris) Thompson and Donald Montgomery (Monty) Wood.

Organising Committee

There have been a number of changes to the Organising Committee since release of the First Circular and we are now partnering with the Gobabeb Research and Training Centre (Namibia).

The ICD9 Organising Committee comprises: Ashley H. Kirk-Spriggs (Chair & ICD Representative; National Museum, Bloemfontein, South Africa), Josiane Etang (Central African representative), Michael Osaе (West African representative), Sunday Ekesi (East African representative), Mary Kirk-Spriggs (Namibian Coordinator), Burgert Muller (National Museum, Bloemfontein, South Africa), Gillian Maggs-Kölling (Gobabeb Research and Training Centre, Namibia), Kenneth Uiseb (Ministry of Environment & Tourism, Namibia), Dr Seth Eiseb (University of Namibia) and Candice-Lee Lyons (Plant Protection Research Institute, South Africa). Contact details for all are available on our website <http://icd9.co.za/>

All general e-mail enquiries should be directed to: icd9@nasmus.co.za

Venue



Although a large country (823,680 km²), Namibia's population is only 2.48 million (2016 estimate). Despite this, Namibia is rich culturally, with cultural groups including the San Bushman, Damara, Germans, Herero, Kavango, Nama, Ovahimba, Ovambo, Rehoboth bastards and Zambezians, with the official language being English. These groups have their own traditional dress and customs.

Situated in central Namibia, Windhoek is set against the impressive backdrop of the Auas Mountains, which form part of Africa's Great Escarpment, a geological feature that dates back to the breakup of Africa and South America. Namibia has excellent infrastructure and Windhoek is regarded as one of the cleanest cities in Africa, with its German colonial history evident in its architecture and many of its cultural traditions. German is spoken quite widely still and this attracts numerous German visitors.



Windhoek is a popular tourist destination and offers all the amenities of a modern developed world city, including banking facilities with ATMs that take all major credit cards, a range of affordable restaurants and cafés, pharmacies, hospitals, shops and boutiques.

Sessions

All congress sessions will be held at the Safari Hotel Conference Centre. The main congress hall seats over 400 delegates and simultaneous sessions will take place in adjacent rooms, seating 150 persons or less. The Conference Centre offers ample areas for exhibitors and posters and the adjoining Hotel Safari has two restaurants, several bars and smaller sites for beverages.



Important dates

We have now finalised the periods for registration categories. The revised dates are as follows:

| | |
|--------------------------------------------|------------------------------------|
| Early registration: | 20 November 2017–28 February 2018. |
| Regular registration: | 1 March 2018–30 June 2018. |
| Late registration: | 1 July 2018–1 September 2018. |
| Student registration: | 20 November 2017–1 September 2018. |
| Accompanying persons' registration: | 20 November 2017–1 September 2018. |

No registrations or abstract submissions will be allowed after 1 September 2018.

Registration fees

The final registration costs per delegate are as follows (in Namibian dollars with estimated USD equivalent in brackets):

| | | |
|----------------------------------------|---------|--------------|
| Early registration: | N\$4200 | (= ± USD295) |
| Regular registration: | N\$4800 | (= ± USD337) |
| Late registration: | N\$5200 | (= ± USD365) |
| Student registration (*): | N\$3800 | (= ± USD266) |
| Accompanying persons (**): | N\$2000 | (= ± USD140) |
| Congress banquet (not included) | N\$800 | (= ± USD55) |

Full registration includes the following: attendance at all sessions and social functions and coffee breaks (except the Congress banquet), hot buffet lunches, a ICD9 congress bag, printed copies of the Programme and Abstracts Volume, a free ICD9 T-shirt and coffee mug and other promotional materials included in the Congress bags.

The Congress formally begins with the Welcome reception at 6:00 pm on Sunday 25 November 2018 and ends at the conclusion of the Closing ceremony on Friday 30 November 2018. Note: no lunch will be provided on Sunday 25 November 2018.

(*) Students must submit a letter from their supervisor/advisor/head of department on a university letterhead confirming their status as full-time students at the time of registration.

(**) Practicing dipterists do not qualify as “accompanying persons”. The registration cost includes hot buffet lunches, attendance at all social functions (except the Congress banquet) and attendance at partners’ presentation/s. Day tours for accompanying persons are paid separately.

Cancellation refund policy (***)

Up to 28 February 2018 (75% refund)
Up to 30 June 2018 (50% refund)
Up to 1 September 2018 (non-refundable)

(***) By registering on-line, delegates automatically agree to the cancellation refund policy. Note: delegates will also be liable for any associated bank fees and other costs for the refund process.

Registration and abstract submissions

Separate Registration (<http://icd9.co.za/registration/>) and Abstract submissions (<http://icd9.co.za/abstractsubmissions/>) on-line forms are now available on the ICD9 website and Registration is now open to delegates. Payment should be made at the time of Registration. You can now take advantage of our reduced rate early bird registration until the 28 February 2018.

Submission of Abstracts and instructions for speakers and poster exhibitors

Abstracts are required for both oral and poster presentations. They must be submitted online through the Congress website using the "Abstracts submissions" website icon.

Please consult the "Registration guidelines" (<http://icd9.co.za/registrationguidelines/>) on the Congress website BEFORE registration and abstract submissions. This provides details of how to register and submit abstracts and provides details on how the on-line secure payment system operates.

Please submit your abstracts as soon as possible to allow processing. The deadline for abstract submissions is **1 September 2018**, after which date NO further abstracts can be submitted or considered. This is to allow ample time to edit and print the Abstracts Volume.

Important note: To avoid attempts to include abstracts without attendance and participation at ICD9, ONLY registered delegates are allowed to submit abstracts and submitted abstracts from unregistered delegates will be summarily deleted from the system without prior notice. If a delegate cancels participation, the relevant abstract/s will also be removed from the Abstract Volume.

Presentations and poster details

Delegates giving oral presentation are asked to indicate the relevant symposium title to which their talk belongs from a pick list menu at the time of on-line registration. If your talk does not fit into any of the submitted symposia themes, please indicate "General dipterology". Delegates should contact the relevant Convenor of the symposium and send their presentation title for approval.

Presentations should be in Microsoft PowerPoint format. IT staff will be on hand to assist delegates at all times. Talks should be loaded at the Registration Desk at the time of physical registration on the computers provided.

All speakers for the first day's session **MUST** ensure their talks are loaded on Sunday **25 November 2018**.

Each regular oral presentation will be 12 minutes duration (with 3 minutes for questions if time allows). Each symposium shall ideally include a keynote address of 25 minutes duration (with 5 minutes for questions) and will normally be the first presentation listed on the symposium programme, following the short introduction by the convenor. Speakers must keep strictly within time to allow the movement of delegates between sessions. The Convenor will inform speakers two minutes before the end of their presentation to allow them time to wrap-up. If Convenors wish they may allocate a separate 15 minute slot at the end of the symposium for open discussion.

Posters must be **A0 (841 x 1189 mm) size** and should be erected by delegates on the numbered poster boards available in the foyer area of the Safari Conference Centre (immediately adjacent to the Safari Hotel), **ONLY** using the adhesive materials provided. These numbers will correspond to the poster numbers listed at the back of the Congress Programme. Poster numbers followed by "(S)" indicate student posters. Posters can be erected from 12 noon on Sunday 25 November 2018, but **MUST** be removed by 12 noon on **Friday 30 November 2018**. Any posters that are not removed by this time shall be removed by ICD9 staff and can be collected from the Registration Desk.

A poster session will take place during the afternoon session on 26 November 2018, when poster presenters should be available to discuss the content and answer questions.

Scientific programme

The overall theme of the Congress will be "Afrotropical Dipterology" and specific symposia are included in the scientific programme that have special relevance to African delegates, but the scientific programme also includes other general thematic and taxon-based symposia and poster sessions and all major aspects of dipterology, including systematics, morphology, evolution, biodiversity and conservation, ecology, agriculture and forensics are covered.

Plenary speakers

The five plenary speakers have now been finalised (see below) and the names, biographies and plenary titles of speakers are available on the official ICD9 website <http://icd9.co.za/plenaries/>

Plenary 1: 26 November 2018

Netta Dorchin

Title: Unmitigated gallers – specialisation leads to diversification in the Cecidomyiidae

Plenary 2: 27 November 2018

Martin Hall

Title: The research-casework continuum in forensic dipterology

Plenary 3: 28 November 2018

Michelle Trautwein

Plenary title: Resolving the Fly Tree of Life

Plenary 4: 29 November 2018

Rudolf Meiswinkel

Title: *Culicoides* as vectors for viruses causing disease in livestock

Plenary 5: 30 November 2018

Brian V. Brown

Title: Phorid fly diversity – frontiers in species richness, structure and behaviour

Symposia sessions

Symposium title submissions have now closed! A total of 25 symposia titles will be included in the Programme (see below) and are posted on the official website <http://icd9.co.za/symposia-titles/> Symposium Convenors should now begin actively seeking speakers for these. A minimum of six speakers was specified on the website, but fewer can be accommodated in the programme if necessary. Delegates are requested to read the list with care before on-line submission to ensure their talks apply to the most relevant symposium.

Advances in Afrotropical dipterology

Convenors: Burgert S. Muller & Ashley H. Kirk-Spriggs – burgert.muller@nasmus.co.za

Diptera of Madagascar – historical biogeography and biodiversity

Convenors: Mike Irwin & Rin'ha Harin'Hala – meirwin@illinois.edu

Advances in Neotropical dipterology

Convenor: Claudio J.B. de Carvalho – cjbcarva@gmail.com

Flies in time – how fossils change our understanding of Diptera evolution

Convenor: Vladimir Blagoderov – V.Blagoderov@nms.ac.uk

Vectors of human disease, biology and environment

Convenors: Shüné Oliver – shuneo@nicd.ac.za

Veterinary Diptera as vectors of disease

Convenor: Karien Labuschagne – labuschagnek@arc.agric.za

Tsetse population dynamics and climate change forecasting

Convenors: John Terblanche & John Hargrove – jst@sun.ac.za

Forensic dipterology

Convenors: Martin Villet & Kirstin Williams – m.villet@ru.ac.za

Tephritoidea – applied research and taxonomy

Convenors: Minette Karsten, Olivia Reynolds & Marc De Meyer – minettek@sun.ac.za

The importance of Diptera in plant-pollinator networks

Convenor: Kurt Jordaens – kurt.jordaens@africamuseum.be

Diptera interactions with amphibians

Convenor: Gunnar Mikalsen Kvitte – gkvifte@purdue.edu

Biodiversity surveys and conservation of Diptera

Convenor: Marc Pollet – mpollet.doli@gmail.com

Morphological character systems in lower Diptera

Convenor: Gregory Curler – gcurler@gmail.com

Morphological tools, techniques and trees

Convenors: Torsten Dikow & John Hash – hashjm@si.edu

Calyptate evolution and diversity

Convenors: Pierfilippo Cerretti, Thomas Pape & John Stireman – pierfilippo.cerretti@uniroma1.it

Advances in Diptera phylogenomics

Convenors: Jessica P. Gillung & Keith M. Bayless – jpg.bio@gmail.com

Too many species, too little time: fresh approaches to “open-ended” genera

Convenors: Daniel Bickel & Emily Hartop – dan.bickel@austmus.gov.au

Systematics and ecology of Culicomorpha

Convenors: Leonardo H. Gil-Azevedo & Douglas C. Currie – lhgazevedo@gmail.com

Systematics and ecology of Bibionomorpha

Convenor: Chris Borkent – chris.borkent@gmail.com

Systematics and ecology of Empidoidea

Convenors: Bradley Sinclair & Jeffrey Cumming – bradley.sinclair@inspection.gc.ca

Taxonomy and ecology of Ceratopogonidae

Convenor: Daniel L. Kline – dan.kline@ars.usda.gov

Taxonomy and systematics of lower Brachycera

Convenor: Bryan D. Lessard – bryan.lessard@csiro.au

Taxonomy and phylogeny of Asilidae – honouring 40 years of Afrotropical research by Jason Londt

Convenor: Torsten Dikow – DikowT@si.edu

Systematics and taxonomy of lower Cyclorhapha

Convenor: Andrew D. Young – adyoung@gmail.com

Developments in acalyptate dipterology

Convenors: John Ismay, Stephen Gaimari & Barbara Ismay – schultmay@insectsrus.co.uk;
stephen.gaimari@cdfa.ca.gov

Social functions

A Welcome reception (open to all delegates and registered accompanying persons) will be held in the Namib Hall of the Safari Hotel on Sunday 25 November 2018 from 6:00–8:00 pm. This will comprise a cocktail function and finger buffet.

An evening reception (open to all delegates and registered accompanying persons) for the Official launch of *Manual of Afrotropical Diptera* will take place on Monday 26 November 2018 at a local venue to be decided. Food will be provided and a cash bar. The first two volumes of the *Manual* will be launched by the BBC and Discovery Channel natural history programme presenter Dr George McGavin.

The Congress banquet (not included in the costs of the Registration fee), will take place at the Safari Conference Centre on Wednesday 28 November (6:00–8:30 pm), with a light after dinner speech by Dr. Martin Hauser, entitled “Africa and me! – a dipterist’s perspective”.

Further details of these events shall be provided in the Third Circular.

Competitions

Details of competitions are available on the ICD9 website <http://icd9.co.za/competitions/>

Prizes and certificates will be presented for **Best Student Presentation** (and runner up), **Best Student Poster** (and runner up) and a **Diptera Photography Competition** (all delegates, with first, second and third prizes). The first two mentioned are only open to full-time students (*).

All registered students are automatically entered for student competitions, but those wishing to submit photographs for the Diptera Photography Competition should contact icd9@nasmus.co.za

Prizes will be awarded at the closing ceremony on Friday 30 November 2018 (as listed below):

Best Student Presentation

Presentations will be judged by a selection panel of leading dipterists.

First prize: *Manual of Afrotropical Diptera* (Volume 2), edited by A.H. Kirk-Spriggs & B.J. Sinclair.

Second prize: *The European Families of the Diptera. Identification, Diagnosis and Biology*, by P. Oosterbroek.

Best Student Poster

Posters will be judged by a selection panel of leading dipterists.

First prize: *Insects. Their Natural History and Diversity*, by S.A. Marshall.

Second prize: *Hoverflies of Northwest Europe. Identification keys to the Syrphidae*, by M.P. van Veen.

Diptera Photography Competition

- Photographs should either depict Diptera in life or other digital formats of flies or fly structures.
- A maximum of two photographs per person can be submitted for judging.
- Photographs must be printed and should be 8" x 10" (20 cm x 25 cm) in size.
- Photographs should be erected on poster boards provided in the foyer area, with the photograph's name.
- The competition will be judged by S.A. Marshall and R.S. Copeland and will be judged on composition, originality and clarity.

First prize: *Flies. The Natural History and Diversity of Diptera*, by S.A. Marshall.

Second prize: *Manual of Afrotropical Diptera* (Volume 1), edited by A.H. Kirk-Spriggs & B.J. Sinclair.

Third prize: *Lighton's Insects of Medical Importance. Original Paintings of Diptera by Norman C.K. Lighton*.

(* Students must submit a letter from their supervisor/advisor/head of department on a university letterhead confirming their status as full-time students at the time of registration.

Congress outreach

Two public lectures in collaboration with ICD9 and the Namibian Scientific Society (<http://www.namscience.com.na/>), will take place during the Congress at the Safari Conference Centre (light refreshments shall be served after the talks):

27 November 2018 (19:30): Dr George McGavin will speak on "Bugs in the system – sex, violence and a cast of billions"

Insects are the most diverse and successful group of animals on Earth. They were the first animals to conquer the land and the first to take to the air. As herbivores, carnivores, pollinators and recyclers and as a principal food source, insects are an essential component of every terrestrial and aquatic food chain. But insects also have a dark side. They have changed the short course of human history by killing hundreds of millions of people and destroying their crops. Nevertheless without them the world would be a very different place. To understand life on our planet you need to know what the "bugs in the system" are doing.

29 November 2018 (19:30): Prof. Stephen Marshall will speak on "Bye bye birdie – flywatching is here!"

The study of flies is a critical discipline because of the centrality of dipteran diversity to human and animal health, pollination, crop protection and ecological integrity. The study of flies is also an engaging hobby, now with all of the appeal of bird watching, but offering orders of magnitude more diversity. This talk will delve into the diversity of dipterological delights and discoveries accessible to naturalists with digital cameras.

All delegates and members of the general public are invited to attend these lectures, which will be widely advertised locally.

Congress language and dress code

The official Congress language is English. The dress code during the Congress proceedings is smart casual.

Provisional Congress schedule for 2018

- **Sunday 25 November:** registration (evening Welcome reception at Namib Hall, Safari Hotel).
- **Monday 26 November:** full day Congress (evening reception: official launch of *Manual of Afrotropical Diptera*).
- **Tuesday 27 November:** full day Congress (free night; evening public lecture by George McGavin).
- **Wednesday 28 November:** full day Congress (evening: congress banquet at Safari Conference Centre).
- **Thursday 29 November:** full day Congress (free night; evening public lecture by Stephen A. Marshall).
- **Friday 30 November:** Congress sessions (until close), closing ceremony & awarding of prizes.

Accommodation

The main Congress venue, Hotel Safari is the preferred Congress accommodation and offers affordable mid-range options. The rooms adjoin the Congress Centre and can accommodate all Congress delegates. For more information and room bookings please visit <https://www.safarihotelsnamibia.com/>

Additional top-range accommodation is available elsewhere at the Hilton and Heintzburg Hotels in central Windhoek and the Windhoek Country Club and low-end affordable accommodation for students is available nearby at local guesthouses, B&BS and backpackers a short distance from the Congress venue.

Letter of invitation

A general letter of invitation is now available on the official website. Should you require a personally addressed letter please contact icd9@nasmus.co.za. It should be understood that such an invitation is only to assist participants in raising travel funds or obtaining a visa and is not a commitment on the part of the organizers to provide financial support.

Collecting permits

The procedures for applying for collecting permits in Namibia are currently under review and details will be posted how to apply as soon as we have clarity from the issuing bodies. Details will be posted at <http://icd9.co.za/permits/> once available. We are making every effort to make the application process as easy as possible for delegates.

Post Congress tours and day trips for accompanying persons

Various tourism tours during and after the congress will be offered to delegates and accompanying persons. Details will be posted on the ICD9 website in due course. Destinations for post-Congress tours will likely include the famous Etosha National Park, Swakopmund on the Namibian coast and Sossusvlei in the Namib Desert.

Sponsorship

Some financial support for students is already available through the S.W. Williston Research Fund http://entomology.si.edu/Diptera_Williston_Fund.htm and we are awaiting the outcome of several applications for sponsorship. Funding is likely to be for specific subject areas or regions. We will inform delegates if funds become available and these will be applied for on a competitive basis. Please encourage your institutions to support ICD9 by visiting our Sponsorship page, which has attractive packages for sponsors.

Other information for delegates

General information for delegates on Namibia, including visa requirements, health and travel are available on the ICD9 website <http://icd9.co.za/information/>, such details may be subject to change without prior notice.

Please refer to this for further information.

Please refer to the official ICD9 website <http://icd9.co.za/> for further information. Regular updates will also be posted on our Facebook page and on our Twitter account.

Kindly forward this message to colleagues and to your national biological and entomological societies for further distribution.

Yours Faithfully,

A handwritten signature in blue ink that reads "A.H. Kirk-Spriggs". The signature is written in a cursive style and includes a long, sweeping underline that extends to the right.

Ashley H. Kirk-Spriggs
(ICD9 Chair)