

24th International Ornithological Congress

Hamburg, Germany

13-19 August 2006



Second Circular

Welcome from the Congress President

Dear Ornithologists from everywhere in the world,

after the two last congresses having been hosted in Durban, South Africa, in 1998, and in Beijing, China, in 2002, the 24th International Ornithological Congress will be held in the beautiful Hanseatic city of Hamburg, Germany, from 13 to 19 August 2006. The Congress is organised under the auspices of the German Ornithologists' Society and the Institute of Avian Research "Vogelwarte Helgoland". In a world that is changing at an unprecedented rate, this Congress will be an unique opportunity to report on state of the art progress in the many disciplines for which birds are ideal study models. As Ernst Mayr put it many years ago, birds are a spring board for discovering the unknown, a remark which will be confirmed once again in the many scientific lines of research that make ornithology in the front line of progress in many aspects of biological sciences.

The Scientific Programme Committee has done a wonderful job in putting together a promising programme including ten plenary talks and forty-eight symposia with a new system allowing any interested ornithologist to apply as a speaker in a symposium of his or her choice. There will be also many Round Table Discussions and contributed papers (both oral and poster presentations), as well as several special evenings, notably a German evening which will remind some landmarks of the outstanding contribution of German scientists to ornithology, and two evenings which will address problems of conservation in a complementary way from both theoretical and practical viewpoints. The first one will be a Presidential Forum entitled "Conservation in practice". It will be jointly organised by the President of the International Ornithological Congress and the Director and Chief Executive of BirdLife International. The forum will address some key points on themes related to ornithology and conservation. A panel discussion will be organised by the Director of the Alfred Toepfer Academy of Nature Conservation in Germany. Needless to say, such events are especially timely and of paramount importance in our world where the biodiversity crisis makes ornithologists more concerned than ever about issues dealing with the scientific bases of conservation and how to put science into practice.

Besides the scientific aspect of the Congress, time and facilities will be provided for exchanges, discussions among colleagues and friends, and just fun. The Congress Centrum of Hamburg is an exceptionally beautiful venue, with all modern facilities and a diversity of hotels, restaurants and lovely public gardens in the vicinity, not to say anything on the many museums and cultural events in the city of Hamburg. The Secretary General of the Congress and Local Committee designed many enjoyable non scientific events, including pre- and post-congress excursions in many parts of Europe, from the North Cape to the shores of the Mediterranean, as well as various cultural tours in Germany.

Register as soon as you can and send in an abstract of your contribution to this Congress which promises to be an outstanding event in your life of ornithologist.

Looking forward to meeting you in Hamburg,

Jacques Blondel

President, 24th International Ornithological Congress

General Congress Information

Venue

Congress Centre Hamburg (CCH) <http://www.cch.de>

Dates

August 13 – 19, 2006

August 13 Registration and Reception

August 14-16 Working days

August 17 Congress free day

August 18-19 Working days

Congress Language

The working language of the Congress will be English.

Registration Fees

Delegate registration fee includes access to the full program, a volume of the abstracts, a printed copy of the proceedings, a CD-ROM, and access to the opening ceremony and reception. The registration fee for accompanying persons covers access to the opening ceremony and reception, and access to the Accompanying Persons' program.

Financial aid

Two forms of financial aid will be offered: *reduced registration fees* and *travel and accommodation assistance*. *Reduced registration fees* will be available for a limited number of special-case international delegates, based on financial need and contribution to the Congress. *Travel and accommodation assistance* will be available to a few participants in addition, based primarily on financial need and contribution to the Congress. Applications for subsidies and reduced registration fee must be sent to the Secretary General, preferably by using the online form at <http://www.i-o-c.org> before **December 31, 2005**.

Donations towards helping delegates from developing countries and transitional economies are gratefully accepted and will be acknowledged in the conference publications.

Congress fees

Early Registration (until Dec. 31, 2005) Euro 375

Standard Registration (until May 31, 2006) Euro 450

Late Registration (from June 1, 2006) Euro 550

Reduced Registration Euro 200

Accompanying Person Euro 100

Important Note:

*No oral contribution will be included in the Scientific Program unless the early registration fee has been paid by the author by **December 31, 2005**.*

*No poster contribution will be included in the Scientific Program unless the registration fee has been paid by the author by **May 31, 2006**.*

Cancellation

All *cancellations of registration* must be in writing to the Congress Secretariat. Cancellation with 70% refunding will be accepted until 31 May 2006 (date of receipt by the congress secretariat), 50% will be refunded until 31 July 2006, thereafter no refunding. Refunds will be made after 1 September 2006.

All *cancellations of hotel bookings* must be in writing to the Congress Secretariat. Cancellations will be charged with EUR 15,00 per room. Cancellations later than 28 July 2006 can be charged with up to 90% of the room rate. All costs arising due to cancellations or changes in booking or No Shows shall be borne by the participant.

Please pre-register online at <http://www.i-o-c.org>.

Critical Dates

Submission of Abstracts

July 1, 2005	Submission of abstracts for contributed papers and proposals for RTDs
December 31, 2005	Submission of request for Special Interest Group meetings
October 30, 2005	Delegates will be informed of acceptance of their abstract.

Registration

December 31, 2005	Early Registration closes
May 31, 1 2006	Standard Registration closes

Scientific Program

For the structure of the program see <http://www.i-o-c.org>.

The Scientific Program will comprise 10 plenary lectures and 48 symposia, as well as contributed papers (oral and poster), round-table discussions (RTDs), discussion forum, and Special Interest Group meetings.

Plenary Lectures are keynote addresses by outstanding ornithologists.

Symposia are aimed at the general ornithologist and will provide the widest-possible coverage of current ornithological investigation studies. Each symposium will feature five papers, two of them invited by the conveners.

Contributed Papers (oral or poster) will cover unpublished original research or new syntheses.

Oral contributions will be selected by a review panel of the Scientific Program Committee from the abstracts submitted.

Round-Table Discussions (RTDs) are a forum for discussion on specialist topics, covering new scientific findings, and new directions in a particular field, methods, techniques and hypotheses.

Special Interest Groups may arrange to meet during the Congress. Request for such meetings should be sent to the Congress Secretariat (e-mail: info@i-o-c.org).

Plenary Lectures

Elizabeth Adkins-Regan, USA

Hormones and the development of sex differences in behavior

Jaques Blondel, France

Presidential address

Coping with habitat patchiness: the story of Mediterranean blue tits

Scott Edwards, USA

Genomics and ornithology

Jeremy Greenwood, UK

Citizens, Science and Bird Conservation

Erich D. Jarvis, USA

Learned birdsong and the neurobiology of human language

Don Merton, New Zealand

The kakapo: some highlights & lessons from 5 decades of applied conservation

Morne du Plessis, South Africa

Cooperative breeding

Theunis Piersma, The Netherlands

Using the power of comparison to explain habitat use and migration strategies of waders worldwide

Sarah Wanless, UK

Climate change and North Sea seabirds

Wolfgang Wiltschko, Germany

Magnetoreception in birds: a compass in the eye and a magnetometer in the beak

Symposia

The following 48 symposia were selected:

- 1 Avian personalities
Conveners: Claudio Carere, Belgium; Irene M. Pepperberg, USA
- 2 New insights into the sense of smell in birds: from foraging behaviour to individual recognition
Conveners: Francesco Bonadonna, France; Gabrielle Nevitt, USA
- 3 Emerging issues in cooperative breeding research
Conveners: Jeff Walters, USA; Jan Komdeur, The Netherlands
- 4 Male and female contributions to biparental care
Conveners: Keith Hamer, UK; Douglas Mock, USA
- 5 Flexibility in mating signals and mate choice: ultimate and proximate bases
Conveners: Keith Sockman, USA; Elizabeth MacDougall-Shackleton, Canada
- 6 Information and power: how are conflicts at the nest resolved?
Conveners: Rebecca Kilner, UK; Hugh Drummond, Mexico
- 7 Responses of birds to (over)fishing
Conveners: Bruno Ens, The Netherlands; Bob Furness, UK
- 8 Birds as Indicators of Environmental Change
Conveners: David Noble, UK; Michel Louette, Belgium
- 9 New tools and concepts in avian conservation genetics
Conveners: Gernot Segelbacher, Germany; Jacob Höglund, Sweden
- 10 The status of the House Sparrow *Passer domesticus* in the urban environment
Conveners: Jenny De Laet, Belgium; J. Denis Summers-Smith, UK
- 11 The effectiveness of agri-environment schemes for farmland birds
Conveners: Juliet Vickery, UK; David Kleijn, The Netherlands
- 12 Avian conservation in the tropics: a global perspective
Conveners: Kimberly Smith, USA; Navjot Sodhi, Singapore
- 13 Detecting ecological traps: avian and human perspectives
Conveners: Marc-André Villard, Canada; Tomas Pärt, Sweden
- 14 The effect of climate change on avian population dynamics
Conveners: Marcel E. Visser, The Netherlands ; Marcel M. Lambrechts, France
- 15 Birds and their use of varied landscapes: insights for integrated conservation planning
Conveners: Richard Loyn, Australia; Lucia Severinghaus, Taiwan
- 16 Demographic mechanisms of population changes at large spatial scales
Conveners: Fernando Spina, Italy; Stephen Baillie, UK
- 17 From trend analysis to population alert
Conveners: Mark Rehfisch, UK; Ruud Foppen, The Netherlands
- 18 Integrated ecological studies of diseases and parasites in birds
Conveners: André Dhondt, USA; Heinz Richner, Switzerland
- 19 Macroecology
Conveners: Carsten Rahbek, Denmark; Katrin Böhning-Gaese, Germany
- 20 Ecological plasticity in birds: mechanisms and consequences
Conveners: Claudia Mettke-Hofmann, Germany; Russell Greenberg, USA
- 21 Bird-microbe interactions: competition, commensalism and co-evolution
Conveners: Edward Burt, USA; Philipp Heeb, Switzerland
- 22 The process of natal recruitment in long-lived birds
Conveners: Peter H. Becker, Germany; Stuart Bradley, Australia
- 23 Natural holes: the missing dimension in understanding hole-nester ecology
Conveners: Tomasz Wesolowski, Poland; Kathy Martin, Canada
- 24 The physiology of life histories: comparing tropical and temperate zone birds
Conveners: Martin Wikelski, USA; Jeff Brawn, USA
- 25 Advances in molecular systematics and phylogeography of neotropical birds
Conveners: Cristina Miyaki, Brazil; John Bates, USA

- 26 New approaches, new data, and new findings in avian phylogenetics at and above the ordinal level
Conveners: Shannon Hackett, USA; Gerald Mayr, Germany
- 27 Molecular systematics and evolution
Conveners: Dorit Liebers, Germany; Allan J. Baker, Canada
- 28 Dispersal and gene flow in populations: linking molecular methods to direct observations
Conveners: Arie J. van Noordwijk, The Netherlands; Erkki Korpimäki, Finland
- 29 Causes of geographic variation in avian life-histories
Conveners: Wesley Hochachka, USA; Francisco Pulido, Germany
- 30 MHC in birds: genomic organization and evolutionary importance
Conveners: Ralph Tiedemann, Germany; Helena Westerdahl, Sweden
- 31 Magnetic orientation and magnetoreception
Conveners: Roswitha Wiltschko, Germany; Susanne Åkesson, Sweden
- 32 Understanding the causes of recent changes in migratory behaviour
Conveners: Timothy Coppack, Germany; Charles M. Francis, Canada
- 33 Migratory connectivity: biological significance and modern techniques
Conveners: Frank Moore, USA; Franz Bairlein, Germany
- 34 Endocrine bases of reproduction: mechanisms and diversity
Conveners: Pierre Deviche, USA; Alistair Dawson, UK
- 35 Neuroendocrine control of behaviour
Conveners: Stefan Leitner, UK; Wolfgang Goymann, Germany
- 36 Coping with seasonal challenges: the role and regulation of moult
Conveners: Barbara Helm, Germany; Les Underhill, South Africa
- 37 Vision and its function
Conveners: Graham Martin, UK; Luz Marina Rojas, Venezuela
- 38 Comparative avian immunology, from poultry to passerine
Conveners: Lynn Martin, USA; Dennis Hasselquist, Sweden
- 39 Diverse responses of birds to excess water and sodium chloride uptake
Conveners: Maryanne Hughes, Canada; Erik Skadhauge, Denmark
- 40 Behaviour and physiology of under-water foraging in diving birds
Conveners: Patrick Butler, UK; Akiko Kato, Japan
- 41 Circadian rhythms and photoperiodism
Conveners: Vinod Kumar, India; Shizufumi Ebihara, Japan
- 42 Bioacoustics: pure and applied aspects
Conveners: Peter McGregor, UK; Georg Klump, Germany
- 43 Avian senescence
Conveners: Pat Monaghan, UK; Carol Vleck, USA
- 44 The avian integument: molecular development and functional-ecological morphology
Conveners: Dominique G. Homberger, USA; Cheng-Ming Chuong, USA
- 45 What 'animal models' can tell ornithologists about the genetics of wild populations
Conveners: Erik Postma, The Netherlands; Anne Charmantier, UK
- 46 Structural basis of song
Conveners: Erich Jarvis, USA; Georg Klump, Germany
- 47 How do birds sense the earth's magnetic field? Magnetoreception mechanisms in birds
Conveners: Henrik Mouritsen, Germany; Thorsten Ritz, USA
- 48 Special symposium honouring Ebo Gwinner
Conveners: Michaela Hau, USA; John Wingfield, USA

Special Events

Evening August 14, 2006

German Evening — Ornithology in and from Germany

Evening August 16, 2006

Presidential Forum — Science meets conservation

Call for Contributed Papers and Round-Table Discussions

All abstracts, whether for plenary lectures, symposium contributions, contributed papers, or RTDs must be submitted online at <http://www.i-o-c.org>:

Deadline **July 1, 2005**

Delegates will be informed of acceptance of their abstract by Oct 30, 2005.

Final inclusion of any contribution in the congress program and abstract booklet is contingent on payment in full of the conference registration fee and a commitment to attend the conference.

Note:

PLEASE DO NOT SUBMIT MORE THAN ONE ABSTRACT FOR AN ORAL CONTRIBUTION. IF YOU ARE ALREADY A SYMPOSIUM OR PLENARY SPEAKER, DO NOT CONTRIBUTE AN ABSTRACT FOR AN ORAL PAPER.

HOWEVER, AUTHORS OF PLENARIES, SYMPOSIUM PAPERS, ORAL PAPERS OR POSTERS MAY ALSO PROPOSE A ROUND TABLE DISCUSSION AND DO A POSTER. DELEGATES MAY CONTRIBUTE ONLY ONE POSTER AS FIRST AUTHOR.

Abstracts will be reviewed by members of the Scientific Program Committee. They will be edited and minor revisions may be made in style, grammar, wording and spelling, if needed. If more extensive revision is required, authors will be contacted.

Contributed papers:

Contributions on any topic in all fields of ornithology are called for. There are 3 categories:

1. oral paper to be considered for symposium;
2. standard oral paper;
3. poster.

Category 1. Oral paper to be considered for symposium.

New for this meeting!

Symposia will consist of 2 keynote speakers (already chosen) and 3 oral papers chosen from the abstracts for contributed papers. These oral papers will be 15 min long plus 3 min for questions.

If you wish your oral contribution to be considered for inclusion in a symposium, you must enter the symposium number in the appropriate box on the online form.

If your abstract is not chosen for a symposium, it will automatically be considered for a standard oral paper. Hence, you must also check the subject area box (see below, under subject areas).

Categories 2 and 3. Standard oral paper or poster

Standard oral papers will be 12 min talk plus 3 min for questions. If your abstract is not accepted for an oral presentation it will automatically be considered for a poster.

Subject areas:

- Behavioural ecology
- Evolutionary biology
- Behaviour
- Community and Landscape ecology
- Macroecology
- Population and Individual ecology
- Population genetics
- Migration and orientation

- Nutrition, foraging and energetics
- Physiology
- Morphology, ecomorphology, developmental biology, evo-devo
- Systematics, biogeography and paleontology
- Landscape and community conservation
- Species and population conservation
- Other subjects

Round Table Discussions:

Any group or individual may submit an abstract for a round table discussion. These are intended as a forum for discussion and should not contain long oral presentations by organizers: a few brief introductory comments to set the stage and a list of discussion questions or issues are sufficient. The abstract should contain a statement of purpose and a list of issues to be discussed. Round table discussions will be accepted provided they do not overlap substantially in content and subject to room availability. They will be held in the evenings and will last 2 hours.

Offline submission

ioc06submit@biology.ualberta.ca, RTDs to jacques.blondel@cefe.cnrs.fr

Please follow the format of the example below:

Contribution type: oral in symposium standard oral poster RTD

Symposium #: if applicable; see list in circular

Subject area: see list in circular

The breeding biology of the House Sparrow in Canada and Germany.

Susan Harper¹, and Franz Bairlein²

¹Dept. of Biological Sciences, University of Alberta, Edmonton, AB, T6G 2E9, Canada; ² Institute of Avian Research, An der Vogelwarte 21, D-26386 Wilhelmshaven, Germany

Email of first author: sharper@ualberta.ca

Abstract:

- Abstracts must be in one paragraph and be limited to 2000 characters (including spaces, about 250 words). Use the metric system for measurements. Please do not use figures, tables, complex equations, or special mathematical symbols.

Abstract Volume

All abstracts submitted in due time and with appropriate full registration fee paid will be included in the Abstract Volume, which will be distributed at the Congress.

Proceedings

Proceedings will be published after the Congress. They will be published as supplements to the *Journal of Ornithology* (<http://springerlink.metapress.com/link.asp?id=110831>). It will contain the full texts of plenary lectures in a printed issue, and all symposium papers in an online supplement. A CD-ROM of the proceedings and the abstracts of oral and poster contribution papers and RTD reports may also be included. Instructions for preparing full papers will appear in the Third Circular, and will be sent to the authors as well.

Social Program

An **Opening Reception** will be held at the Congress Center Hamburg at 19:00 on August 13, 2006.

A **Congress Banquet** will be held at the Congress Center Hamburg at 19:00 on August 19, 2006.

Tickets must be booked at registration.

Tours

Birding and nature tours will be offered before, during and after the Congress.

Pre- and post-Congress Tours

A list of prospective tours is available at <http://www.birdnet.de/ioc/#hu01>.

Mid-congress Tours

There will be a number of mid-congress excursions to the wider surroundings of Hamburg, including the Wadden Sea, the island of Helgoland, the Lueneburg Heath, and the Harz mountains. More details in the Third Circular.

Early Morning Bird Walks

Early morning bird walks (ca 1.5 hours) around the venue and in the wider city of Hamburg will be organized by local ornithologists.

Cultural Tours

There is a wide array of possibilities for local cultural tours offered by Hamburg Tourism (<http://www.hamburg-tourism.de>).

Accommodation

Accommodation is operated by

HCH - Hamburg Congress & Hotelservice, INTERPLAN AG, St. Petersburger Str. 1, 20355 Hamburg, Tel.: +49(0)40/32 50 92 30, Fax: +49/(0)40/32 50 92 44, e-mail: IOC2006@interplan.de; <http://www.interplan.de>. Hotel prices will be: Price category A: EUR 130 – 150; B: EUR 115 – 130; C: EUR 90 – 95; D: EUR 78 – 88; E: EUR 58 – 75.

If you may aim group reservation of hotel accommodation, please send your request for group reservation to IOC2006@interplan.de for groups up to 10 people and more".

In addition to hotel rooms, accommodation at student guest houses and private rooms will be offered for participants from developing countries and transitional economies.

Travel

There are flights to and from Hamburg from over 50 countries, with 38 direct destinations. From most world capitals Hamburg is reached with only one stop via Amsterdam, Brussels, Copenhagen, Frankfurt, Helsinki, London Heathrow, Munich, Paris, Vienna, or Zurich.

For flight information see also <http://www.hamburg-airport.de>.

Hamburg is linked to most European capitals and many cities by trains and coaches. Details at <http://www.hamburg-tourism.de> and German Rail <http://www.bahn.de>.

The CCH is located in the center of Hamburg and next to Dammtor Railway Station. Local travel is best by using the Rapid Transit Rail System (see <http://www.hvv.com> or download the system here).

Passports and Visa

Passports, valid for at least six months from the entry into Germany, and entry visas are required to visit Germany except EU-citizens. For details see http://www.auswaertiges-amt.de/www/en/willkommen/einreisebestimmungen/liste_html, or consult the nearest German diplomatic mission. Congress participants should first register with the appropriate registration fee, and second contact the Congress Secretariat (info@i-o-c.org) which will then send a formal invitation upon request. You should apply for a visa at least two month before departure for Germany.

Climate

Hamburg is located in the temperate zone. The average temperature in mid August is 16.8 degrees Celsius, but daily temperature could be up to 30 degrees Celsius or as low as 10 degrees Celsius, and it could be rainy with a monthly average of 82 mm precipitation at on average 12 days.

Liabilities

The Congress Organizers cannot accept responsibility for personal accidents or damage to any personal property of Congress participants and accompanying persons. It is advisable to arrange for personal insurance for the duration of the Congress and any pre- and post-Congress trips.

Contacts

Congress Officers

President

Jacques Blondel (France) e-mail: jacques.blondel@cefe.cnrs.fr

Vice-President

John Wingfield (USA) e-mail: jwingfie@u.washington.edu

Honorary President

Jiro Kikkawa (Australia) e-mail: jkikkawa@zoology.uq.edu.au

Permanent Secretary of the IOC

Dominique G. Homberger (USA) e-mail: zodhomb@lsu.edu

Secretary-General of the 24th International Ornithological Congress

Franz Bairlein (Germany) e-mail: franz.bairlein@ifv.terramare.de

Scientific Program Committee

Chair: Susan Hannon (Canada) e-mail: IOC2006@odum.biology.ualberta.ca

Gregory F. Ball (USA) e-mail: gball@jhu.edu

Vinod Kumar (India) e-mail: drvkumar@sancharnet.in

Kate Lessells (The Netherlands) e-mail: lessells@cto.nioo.knaw.nl

Charles Mlingwa (Tanzania) e-mail: tawiri@habari.co.tz

Patricia Monaghan (UK) e-mail: P.Monaghan@bio.gla.ac.uk

Frank Moore, (USA) e-mail: Frank.Moore@usm.edu

Christina Myiaki (Brazil) e-mail: cymiyaki@usp.br

Richard Schodde (Australia) e-mail: RichardSchodde@aol.com

Lucia Severinghaus (Taiwan–China) e-mail: zolls@gate.sinica.edu.tw

Ex-Officio members of the Scientific Programme Committee

Dominique Homberger (USA) e-mail: zodhomb@lsu.edu

Franz Bairlein (Germany) e-mail: franz.bairlein@ifv.terramare.de

Jacques Blondel (France) e-mail: jacques.blondel@cefe.cnrs.fr

Fernando Spina (Italy) e-mail: fernando.spina@infs.it

Members from the local organising committee

Peter H. Becker (vice Secretary-General, Germany) e-mail: peter.becker@ifv.terramare.de

Katrin Böhning-Gaese (Germany) e-mail: boehning@oekologie.biologie.uni-mainz.de

Georg Klump (Germany) e-mail: georg.klump@uni-oldenburg.de

Congress Secretariat

Homepage: <http://www.i-o-c.org>

For information: info@i-o-c.org

Fax +49 4421 968955 , Tel. +49 4421 96890

Mailing Address:

IOC 2006, Institute of Avian Research, An der Vogelwarte 21, 26386 Wilhelmshaven, Germany