



IOCongress Cutting-edge symposia

The conference includes 45 state of the art symposia covering a huge diversity of topics in ornithology. There are symposia within the themes of migration and migratory bird populations, adaptation or not to climate change, morphology and the evolution of avian structure, physiology, conservation, technology and techniques, behavioural ecology and birds effects on humans, in terms of culture and our mental health. Get up to speed with the world's best and most current ornithological research, from the world's best ornithologists!

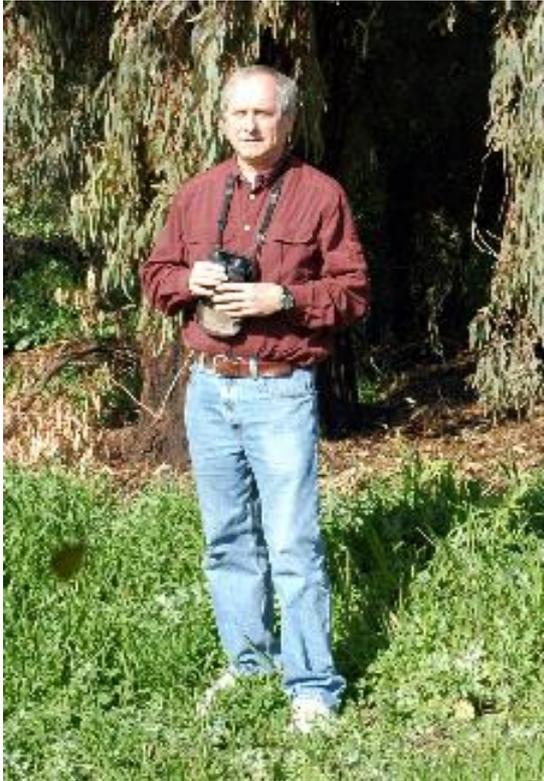
An example of one of the cutting-edge symposia on the program is:

[Living in Extremes: How birds in the Arctic and Antarctica cope with global climate change](#)

The objective of this symposium is to discuss the latest advances pertaining to polar-adapted birds and to identify important knowledge gaps for directing future studies. Due to a heightened awareness of increasing effects of global warming, an up-to-date picture of the rapid climatic changes in the polar regions are necessary. Further insight will be gained from understanding the mechanisms by which avian species in polar regions acclimate to a changing world and ultimately which species will, or will not, be able to adapt.

A keynote speaker for this symposium will be John C. Wingfield, the founder of the field of environmental endocrinology. Dr. John Wingfield is Distinguished Professor Emeritus at University of California, Davis and University of Washington and has conducted environmental endocrinology research on arctic-breeding birds for over four decades. His studies have focused on mechanisms of coping with environmental stress in songbirds that breed in the high Arctic. These coping mechanisms are central to how birds acclimate and adapt to global climate change.

Keynote Speaker: John C. Wingfield



Other examples include:

- Quantum birds: The radical-pair mechanism of magnetoreception led by Henrik Mouritsen & Peter Hore.
- Adult sex ratios, mating systems and conservation led by Wolfgang Goymann & Robert Heinsohn
- Effects of sea-level rise on birds led by Chris Elphick & Martijn van de Pol
- Urban ecophysiology: the role of plasticity and evolution led by Caroline Isaksson & Fran Bonier
- The evolutionary ecology of avian senescence: patterns, processes and the prices paid led by Sandra Bouwhuis & Antoine Stier
- Using full annual cycle research to improve conservation of migratory species led by Almut Schlaich & Peter Marra
- Birds and mental health led by Daniel Cox & Danielle Shanahan

A full list of symposia is here: <https://iocongress2022.com/conference-symposia/>.

The conference will have 5 symposia sessions, each containing 9 parallel symposia. We will avoid the ever-present problem of having to miss much of what occurs in a big conference because of parallel sessions: all contributions will be available, anytime, as pre-recorded podcasts so every presentation can be seen regardless of timetabling or location. The entire virtual program of presentation podcasts will then form the conference proceedings. For example, you could watch some of the program in advance, some of it live in person at the conference, and some of it later. This would maximise your opportunity to have an informed discussion with the speakers at the conference having seen all of the talks you are interested in, while also allowing you to react to the emergent highlights of the conference. When someone at coffee tells you about the great talk they have just experienced in another session, you will also then be able to watch it and see what you have missed.

Abstract submission will close 1 OCTOBER 2021

[Click here to Submit an Abstract](#)

Click one of the below links for more information:



REGISTRATION



ABSTRACT



TOURS