



Department of Poultry Science
College of Agricultural & Environmental Sciences
UNIVERSITY OF GEORGIA



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EXTENSION

2023 Georgia Precision Poultry Farming Conference -Virtual

Zoom Meeting: May 2, 2023 (9:00–16:00 Eastern Time-USA)

Coordinator: Dr. Lilong Chai, UGA Poultry Science

Welcome & Updates

09:00 AM Welcome and Poultry Science Department Update

Todd Applegate, Department Head & Distinguished Professor, UGA Poultry Science

09:15 AM Welcome and Georgia Poultry Federation Update

Mike Giles, President, Georgia Poultry Federation

09:30 AM UGA Poultry Extension Update

Casey Ritz, Professor & Extension Coordinator, UGA Poultry Science

Morning Technical Session

09:40 AM Monitoring Poultry Health and Welfare with Optical Flow Technology

Marian Dawkins, Professor of Animal Behavior, University of Oxford, UK

10:25 AM Broiler Breeder Welfare Management

Kate Barger-Weathers, Director of World Animal Welfare, Cobb-Vantress

11:10 AM Broiler Heat Stress Management with Engineering Intervention

Yi Liang, Associate Professor, University of Arkansas

11:50 AM Monitoring Broiler Gait Score with Imaging System

Yang Zhao, Assistant Professor, University of Tennessee

12:30 Break

Afternoon Technical Session

1:00 PM Poultry Processing Technologies

Brian Kiepper, Associate Professor, UGA Poultry Science

1:45 PM Artificial Intelligence-Assisted Tools for Precision Poultry Farming

Guoming Li, Assistant Professor, UGA Poultry Science

2:15 PM How Robots and Automation Might Change the Design of Broiler Houses

Colin Usher & Alexander Samoylov, Georgia Tech Research Institute

Panel Discussion

3:00 PM Precision technologies & gaps for the advancement of poultry nutrition and health

Host: Todd Applegate

Panelists: TBD

4:00 PM Conference Conclusion

Registration link:

<https://t.uga.edu/7S8>

The conference will be recorded for sharing with registered participants

(The event is free for student participants, but registration is required).



Professional Animal Auditor Certification Organization (PAACO) will approve 6 CE credits for this year's conference.

Keynote Speaker



Dr. Marian Stamp Dawkins

Professor of Animal Behavior at the University of Oxford

Marian Stamp Dawkins, Ph.D, is a British biologist and professor of ethology at the University of Oxford, UK. Her research interests include vision in birds, animal signalling, behavioural synchrony, animal consciousness and animal welfare. Dawkins was educated at Queen's College, London and Somerville College, Oxford, where she earned bachelor's and PhD degrees. Dawkins was appointed a lecturer in zoology in 1977 and in 1998 was made Professor of Animal Behaviour. She is currently (2014) Head of the Animal Behaviour Research Group and is the Director of the John Krebs Field Laboratory. Dr. Dawkins has been one of the leading lights in promoting the scientific study of animal behaviour and welfare. Coming from a fundamental ethological background (she did her PhD on the mechanisms of hunting in birds), she has devoted a large part of her working life to issues relating to the behaviour and welfare of animals managed by humans. Dawkins has been awarded the RSPCA/British Society for Animal Protection prize in 1991, the Association for the Study of Animal Behaviour's Niko Tinbergen Medal in 2009, and the World Poultry Science Association Robert Fraser Gordon Medal in 2011. In 2014, she was given a CBE for services to animal welfare, and the same year elected a Fellow of the Royal Society for her work on animal welfare. In 2018, Dr. Dawkins received the ISAE Honorary Fellowship.