



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



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EXTENSION

2022 Georgia Precision Poultry Farming Conference -Virtual

Zoom Meeting: May 3, 2022 (9:00 – 16:00 Eastern Time-USA)

Coordinator: Dr. Lilong Chai, UGA Poultry Science

Welcome & Updates

9:00 AM Welcome and Poultry Science Department Update

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

9:20 AM Welcome and Georgia Poultry Federation Update

Mr. Mike Giles, President, Georgia Poultry Federation

9:30 AM UGA Poultry Extension Update

Dr. Casey Ritz, Professor & Extension Coordinator, UGA Poultry Science

Morning Technical Session

9:40 AM Precision Poultry Farming Technologies, History and Future

Dr. Daniel Berckmans, Full Professor, Katholieke Universiteit Leuven, Belgium

10:25 AM Broiler Welfare Management on Commercial Farms

Dr. Karen Christensen, Sr. Director of Animal Wellbeing, Tyson Foods

11:10 AM Imaging Technologies for Monitoring Poultry Behaviors and Welfare

Dr. Yang Zhao, Assistant Professor, University of Tennessee

11:45 AM Laying Hen Management with Sensing Technologies

Dr. Maja Makagon, Associate Professor, UC Davis

12:30 Break

Afternoon Technical Session

1:00 PM Poultry Vaccination and Health Management

Dr. Brian Jordan, Associate Professor, UGA Poultry Science & PDRC

1:30 PM Robotic Application for Poultry Production and Processing

Mr. Colin Usher, Senior Scientist, Georgia Tech Research Institute

2:10 PM Poultry Welfare Management during Transportation & Processing

Dr. Brian Kiepper, Associate Professor, UGA Poultry Science

2:40 PM Solar Power Technologies for Georgia Poultry Production

Mr. Mike Harrell & Mr. Candler Boyd, Coastal Solar Power

Panel Discussion

3:00 PM Implementation of Precision Poultry Technologies

Host: Dr. Todd Applegate

Panelists: Dr. Glen Rains, Professor, UGA-Dept. of Entomology

Dr. Emily Aston, DVM, PhD, Senior Program Manager, TechAccel

Mr. Marcel Sarzen, Co-founder, President & CEO, AGL Technology

Dr. Jackson McReynolds, Director R&D, Arm & Hammer Animal & Food Production

4:00 PM Conference Conclusion

Registration link (open until May 1): <https://t.uga.edu/7S8>

(The event is free for student participants, but registration is required. The conference will be recorded for sharing with all registered participants).

This conference will be the 2nd Georgia Precision Poultry Farming Conference. Our first conference (hosted on May 4, 2021) had 300+ participants from over 30 different countries.

<https://newswire.caes.uga.edu/story/8624/precision-poultry-science.html>

Keynote Speaker



Dr. Daniel Berckmans

Full Professor of Katholieke Universiteit Leuven

Adjunct Distinguished Professor of University of Tennessee

Dr. Daniel Berckmans headed as Full Professor for 20 years the research Division M3-BIORES (Measure, Model and Manage Bio-responses) in the Department of Biosystems at the Catholic University of Leuven-Belgium. He is currently an Adjunct Distinguished Professor at the University of Tennessee-USA. Dr. Berckmans is also the CTO of BioRICS NV that is focusing on continuous monitoring of human and animal mental and physical health. In education he was teaching 8 different courses at bachelors' and master's level. His research focus is on real time monitoring of health and wellbeing of individual humans and animals. He co-authored over 340 peer reviewed publications, over 450 papers, participated in 64 PhD commissions in 9 countries and promoted over 250 Master theses. Since 1982, 19 products for the world market were co-developed with industrial partners. He is co-inventor of 20 patents and coordinated several EU-projects. Dr. Berckmans is worldwide considered as the spiritual father of the field of Precision Livestock Farming (PLF): real-time monitoring of animals with technology: microphones, cameras, and sensors. He co-started the European Committee for Precision Livestock Farming that organizes since 2003 the 2-yearly European Conference for Precision Livestock Farming 'ECPLF'. Today the conference is organized in agreement with the "Asian Conference for PLF" (ACPLF) and the "US Conference for PLF" (USCPLF). He co-initiated the first European Master's in Human Health Engineering at the KU Leuven: technology for monitoring healthy people. Dr. Berckmans is co-founder of 3 spin-off companies: BioRICS NV in 2006, BioRICS INC in San Francisco in 2016 and SoundTalks in 2011. He is a member of the recently started Scientific Council of the World Farmers Organization, who represent a billion farmers worldwide. KU Leuven was ranked by Reuters the seventh most innovative university worldwide in 2020 with 130 spin-off companies so far. This ranks KU Leuven as the most innovative university outside of the United States.