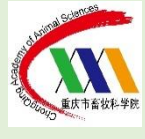




2021 International Symposium on Animal Environment and Welfare Chongqing, China • October 20–23, 2021



Announcement and Call for Abstracts

A healthy environment for occupants and ecosystems and enhanced animal welfare continues to be a critical pillar of sustainable modern food animal production agriculture. Since 2011 the International Research Center for Animal Environment and Welfare (IRCAEW) has been hosting biennial symposia that aim to exchange cutting-edge research findings, discuss present and future needs of the production enterprise, explore ways to further interdisciplinary endeavors globally, and ultimately advance the science and technology for improved animal welfare/health, production efficiency, and environmental stewardship. The 2021 International Symposium on Animal Environment and Welfare (ISAEW2021) will be held on October 20–23, 2021 in Rongchang City, Chongqing, China. The symposium will use a hybrid format of in-person and on-line to accommodate the attendees whose travels may be affected by the COVID19 pandemic. This announcement provides information regarding timeline, thematic areas, organizing committees, registration, and travel logistics.

Timeline:

- March 31, 2021:** Deadline for abstract submission
- April 20, 2021:** Notification of abstract acceptance
- June 30, 2021:** Deadline for initial full paper submission
- August 1, 2021:** Reviews provided to corresponding author
- August 31, 2021:** Deadline for full paper to be included in the symposium proceedings

October 20-23, 2021: Holding of ISA EW2021

October 20, Wednesday

Onsite Registration

October 21, Thursday

Morning: Opening ceremony of ISEAW2021, general session with invited speakers
Afternoon: Concurrent technical sessions

October 22, Friday

Morning: General session with invited speakers
Afternoon: Concurrent technical sessions

October 23, Saturday

Morning: Optional technical tour or departure
Afternoon: Departure

Venue:

Rongchang City, Chongqing, China
Rongchang Ruier Hotel (a four-star hotel) in Rongchang City

Theme Areas (in alphabetical order):

I. Animal Environment Monitoring, Assessment, and Control

- a. Air quality in animal facilities
- b. Air pollutant emission, dispersion, fate, and control
- c. Current biosecurity practices
- d. Environmental impact of air quality and aerial emissions
- e. Heat and moisture production at animal and/or housing level
- f. Heat stress abatement
- g. Lighting for improved animal wellbeing and performance
- h. Thermal indexes for modern animals and production systems

II. Animal Production Systems and Equipment

- a. Alternative housing systems and performance
- b. Animal product safety and traceability
- c. Economic efficiency (cost of production, producer's profitability)
- d. New and innovative housing, ventilation, and husbandry equipment
- e. Labor requirement and development
- f. Production efficiency, safety, and risk management
- g. Space requirements of animals for optimal welfare and system design

III. Animal Welfare Monitoring, Assessment, and Improvement

- a. Animal behavior and well-being
- b. Animal diseases and relationship with environmental conditions
- c. Animal responses to environmental stimuli
- d. Humane euthanasia for swift mass depopulation
- e. Relationship between behavioral and physiological responses of farm animals
- f. Zoonotic diseases and animal agriculture

IV. Digital and Smart Technologies for Managing and Improving Animal Environment and Welfare

- a. Automation and robotics in livestock farming
- b. Big data, machine learning, and IoT for PLF applications
- c. Precision livestock farming (PLF)
- d. Real-time monitoring of animal behaviors for early health warning
- e. Sensors and sensing for environmental quality and animal welfare

V. Manure and Mortality Management and Byproduct Development in Animal Agriculture

- a. Advances in manure treatment technologies (anaerobic digestion, composting, solid-liquid separation, etc.)
- b. Alternative manure/litter utilization
- c. Environment-friendly and bio-secure disposal of animal mortalities
- d. Manure demand and acceptance (willingness to pay)
- e. Manure land application, and nutrient management and regulations

Abstract submission:

The ISAEW2021 is soliciting abstracts on the afore-listed topics. Please prepare an abstract of less than 250 words using the form contained in this announcement and submit it via email to Dr. Ji-Qin NI (jiqin@purdue.edu).

All abstracts will be lightly reviewed, and those selected for presentation at the symposium will be provided with paper and/or poster templates for their finished work. Full-length papers will be edited and published in a symposium proceedings.

Posters should fit within a 120 cm high x 86 cm wide (47" x 34") area.

Sponsored by:

International Research Center for Animal Environment and Welfare (IRCAEW)
Chongqing Commission of Science and Technology (CCST)
Chinese Society of Agricultural Engineering (CSAE)
China Agricultural University (CAU)

Hosted by:

Chongqing Academy of Animal Sciences (CAAS)
Key Lab of Agricultural Engineering in Structure and Environment, MOA, China

Symposium Co-chairs:

Dr. Baoming LI, Professor, CAU, China
Dr. Hongwei XIN, Dean and Director, UT AgResearch, The University of Tennessee, USA

Proceedings Co-chairs:

Dr. Ji-Qin NI, Professor, Purdue University, USA
Dr. Lingjuan Wang-Li, Professor, North Carolina State University, USA
Dr. Chaoyuan WANG, Professor, CAU, China

Program Co-Chairs:

Dr. Qiang ZHANG, Professor, University of Manitoba, Canada
Dr. Weichao ZHENG, Associate Professor, CAU, China

Organizing Committee:

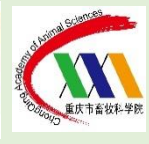
Chair: Dr. Yong HUANG, Professor, CAAS, China
Members: Dr. Chaoyuan WANG, Professor, CAU, China
Dr. Feiyun YANG, Professor, CAAS, China
Ms. Wen LIU, Associate Professor, CAAS, China
Dr. Weichao ZHENG, Associate Professor, CAU, China
Dr. Hao LI, Associate Professor, CAU, China
Dr. Qin TONG, Associate Professor, CAU, China

Contact for further information or questions:

Dr. Weichao ZHENG
Department of Agricultural Structure and Bioenvironmental Engineering
China Agricultural University, Mail Box 67, Beijing 100083, China
Cell: +86 13811997928; Fax: +86 10 62736904 ; Email: weichaozheng@cau.edu.cn



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Abstract Submission Form (Due March 31, 2021)

Theme Area no. & Topic: _____

Paper/Poster title: _____

Author names: _____

Presentation Type: Oral _____ Poster _____ No preference _____

First author (if not Corresponding author) E-mail: _____

Corresponding author E-mail (req'd): _____

First Name: _____ Surname: _____ Title: _____

Institutional Affiliation: _____

Street Address: _____

City: _____ State/Province: _____

Zip/Postal Code: _____ Country: _____ Phone: _____

Abstract (<250 words):

Submit the completed form to Dr. Ji-Qin NI. Email: jiqin@purdue.edu

Note: The email subject should be: ISAEW2021 abstract + Last name, first name of the first author + abstract number (if the same author has multiple abstracts). For example:

Subject: ISAEW2021 abstract Smith, John 2

Registration:

1. Registration: 1) online, please visit <http://www.ircaew.org>
2) via email, please send the attached WORD registration form to:
Ms. Wen LIU, email: 1127980958@qq.com
The email subject should be: ISAEW2021 registration + full name

2. Registration Fee:

Attendee Category	Early Registration by June 10, 2021	Regular Registration by August 31, 2021	On-site Registration
Overseas – Regular	N/A*	N/A*	\$400
Domestic - Regular	¥1,800	¥2,000	¥2,200
Overseas – Students	N/A*	N/A*	\$200
Domestic – Students	¥900	¥1,000	¥1,100

*Currently not available, but working on the option of on-line credit card payment, and will update once the service becomes available. Please prepare to pay cash for on-site registration.

3. Registration fee will cover symposium & meals. Lodging expenses are the responsibility of the attendees.
4. To ensure accommodation at the symposium headquarters hotel (Rongchang Ruier Hotel), the attached registration form (with payment for domestic attendees) must be received by September 30, 2021.

Travel and Lodging:

Travel:

The Chongqing Airport code is CKG; many convenient domestic flights to Chongqing are available. High-speed train (Chongqing Bei--Rongchang Bei, Chongqing Xi--Rongchang Bei, Shapingbei--Rongchang Bei) and bus transportation from Chongqing to Rongchang are available.

The Chengdu-Shuangliu International Airport code is CTU. High-speed train (Chengdu Dong—Rongchang Bei) are available.

The Luzhou Yunlong Airport code is LZ0. It takes 30 minutes from the airport to the hotel by car or bus.

Lodging:

Rongchang Ruier Hotel (a four-star hotel) in Rongchang City
No. 39 Changlong Road, Rongchang, Chongqing, China
Phone: (86)-23-46776080



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Registration Form

PLEASE TYPE OR PRINT CLEARLY

First Name: _____ Surname: _____ Title: _____

Institutional Affiliation: _____

Street Address: _____

City: _____ State/Province: _____

Zip/Postal Code: _____ Country: _____

Phone: _____ Fax: _____ E-mail: _____

Date to arrive: _____ Date to depart: _____

Special Note: _____

Return the completed form through e-mail by June 10 (early registration), or September 30 (regular registration), 2021 to

Ms. Wen LIU, CAAS

Email: 1127980958@qq.com