



Asian Conference on Precision Livestock Farming (ACPLF2020) 2020 智慧畜牧业发展亚洲论坛

Beijing, China • October 19th-21th, 2020



Announcement and Call for Abstracts/Papers

Sponsored by the International Research Center for Animal Environment and Welfare (IRCAEW, <http://www.ircaew.org/>), the Asian Conference on Precision Livestock Farming 2020 (ACPLF) will be held from the 19th to 21th of October, 2020 in Beijing, China. Precision Livestock Farming (PLF) aims to achieve smart animal farming by using real-time sensing, data analysis, information technology, and decision-making to improve animal health, welfare and production efficiency. PLF supplements the skills of farmers, veterinarians and inspectors by continuous and automated collection and analysis of livestock information. As such it plays a crucial role in providing early detection or warning of diseases as well as objectively assesses animal welfare in modern livestock production. The ACPLF 2020 will bring together worldwide experts in PLF, provide opportunities to researchers and professionals to build connections and share insight into the most recent research findings and industrial needs in PLF at global level. This announcement serves as the first call for abstracts/papers for the event.

Dates: October 19th-21th, 2020

October 19th, Monday

Onsite Registration

October 20th, Tuesday

Morning: Opening Ceremony, General Session with invited speakers

Afternoon: Concurrent technical sessions

October 21th, Wednesday

Morning: General session with invited speakers

Afternoon: Concurrent technical sessions

Theme Areas:

The following topics are of particular interest to the symposium. The topics apply to all animal species (swine, poultry, dairy cattle, aquaculture, sheep, and so on) at all production stages (i.e., from incubator to growth/production, to abattoir).

- Automated identification and monitoring/tracking of individual animals in group housing, such as feeding behavior, locomotion, aggression, mortality
- Computational algorithms or techniques used to process big data on behavioral and physiological responses

- Low-cost sensors and sensing techniques for automatic quantification of individual animal behaviors, physiological variables, and health/well-being status
- Novel methods to automatically detect/monitor/improve critical moments of the production cycles, such as hatching, farrowing, accidental crushing of piglets by sow
- On-farm demonstration of PLF or electronic stockmanship applications
- Quantification of individual animal variations in behavioral, physiological, and/or performance responses to environmental stimuli
- Real-time modeling of animal responses and decision-making based on behavioral and physiological sensing of the animals

Timeline:

Deadline for abstract submission: **May 10th, 2020**

Notification of abstract acceptance: **June 15th, 2020**

Deadline for initial full paper submission: **July 22th, 2020**

Reviews back to corresponding author: **August 10th, 2020**

Deadline of final paper submission: **September 1st, 2020**

Deadline for production of symposium proceedings: **September 21th, 2020**

Registration (covering conference & meals):

1. Registration: 1) online registration, please visit <http://www.ircaew.org> (coming soon)
2) via email: use the attached WORD registration form

2. Registration Fee:

Attendee Category	Early Registration by July 1st, 2020	Regular Registration by September 1st, 2020	On-site Registration
Overseas – Regular	\$350	\$400	\$450
Domestic - Regular	¥1,800	¥2,200	¥2,400
Overseas – Students	\$175	\$200	\$225
Domestic – Students	¥900	¥1,100	¥1,200

3. Lodging expenses are the responsibility of the attendees
4. To ensure accommodation at the symposium headquarters hotel, registration form (with payment for domestic attendees) must be received by October 1st, 2020.

Venue:

International Conference Center, China Agricultural University, Beijing, China
Address: No. 17 Qinghua East Road, Haidian District, Beijing 100083, China

Call for Papers/posters:

The ACPLF 2020 is soliciting papers for both lecture and poster presentations. To submit a paper for lecture or poster presentation, please prepare an abstract (less than 300 words) with title, author(s) name(s), mailing and e-mail addresses of the corresponding author (see attached submission form). Posters are to be vertically oriented and should fit within a 47" high x 34" wide (120 cm x 86 cm) area.

All papers and posters will be lightly reviewed and published in a symposium proceedings.

Note: Please visit <http://www.ircaew.org> for online submission (coming soon) or submit abstracts and full papers to Dr. Hao LI at China Agricultural University via email at leechn@hotmail.com.

Sponsored by:

International Research Center for Animal Environment and Welfare (IRCAEW)

Hosted by:

Chinese Society of Agricultural Engineering (CSAE)

China Agricultural University (CAU)

Key Lab of Agricultural Engineering in Structure and Environment, MOARA, China

Chongqing Academy of Animal Sciences (CAAS)

Conference Co-chairs:

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