

HSA International Conference: Livestock Welfare during Transport, Marketing & Slaughter

The Royal College of Physicians, Edinburgh, UK

Thursday 30th June

All timings are GMT+1 / UTC+1/ BST

08.00 - 08.50 Registration

08.50 - 09.00 **Welcome and Introduction:** Huw Golledge (*HSA*)

09.00 - 10.35 **Session One: Welfare during stunning, slaughter and killing**

09.00 - 09.35 **Keynote Speaker: Meeting the needs of Consumers in an evolving market**
Will Jackson (*Agriculture and Horticulture Development Board (AHDB), UK*)

09.35 - 09.50 **AI4Animals: Using AI to significantly increase the effectiveness of camera surveillance in slaughterhouses**
Carlos Morales (*Deloitte, Netherlands*)

09.50 - 10.05 **Movements after captive-bolt stunning in cattle in relation to possible animal and process related impact factors**
Karen von Holleben (*BSI Schwarzenbek, Germany*)

10.05 - 10.20 **A systematic review of equid welfare at slaughter: existing evidence and evaluation of animal welfare indicators**
Kate Fletcher (*Royal Veterinary College, UK*)

10.20 - 10.35 **Inter-observer repeatability of indicators of consciousness in broiler chickens after waterbath stunning**
Alexandra Contreras-Jodar (*Institute of Agrifood Research and Technology (IRTA), Catalonia, Spain*)

10.35 - 11.00 **Break**

11.00 - 12.30 **Session Two: Aquaculture Part One**

11.00 - 11.40 **Keynote Speaker: Pain and suffering in decapods**
Bob Elwood (*Queen's University Belfast, UK*)

11.40 - 12.00 **Bringing humane slaughtering to cephalopod molluscs: an integrative approach**
Giovanna Ponte (*Association for Cephalopod Research 'CephRes', Italy*)

12.00 - 12.10 **Welfare of saltwater fish in Hong Kong wet markets**
Desiree Hung (*City University of Hong Kong*)

12.10 - 12.30 **In-water electrical stunning for humane slaughter of farmed fin fish**
Jimmy F Turnbull (*University of Stirling, UK*)

12.30 - 13.30 **Lunch**

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13.30 - 15.00 Session Three: Aquaculture Part Two

- 13.30 - 13.45 **The assessment of dry electric stunning as a commercial method for the humane dispatch of farmed White Leg shrimp (*Litopenaeus vannamei*)**
Ben Weis (*Tesco PLC, UK*)
- 13.45 - 14.10 **Humane slaughtering of Snow crab (*Chionoecetes opilio*)**
Ragnhild Aven Svalheim (*Norwegian Institute of Food, Fisheries and Aquaculture Research, Norway*)
- 14.10 - 14.30 **Systematic review and feasibility study of humane stunning or stun/killing of wild-caught fish in commercial fisheries**
Nilantha Jayasuriya (*Harper Adams University, UK*)
- 14.30 - 14.45 **How to achieve a transition in aquaculture fisheries with regard to animal welfare**
Michelle Boonstra (*Good Fish Foundation, Netherlands*)
- 14.45 - 15.00 **Update on the UFAW Journal *Animal Welfare***
Huw Golledge (*UFAW, UK*)
- 15.00 - 15.30 **Break**

15.30 - 17.20 Session Four: Stunning developments

- 15.30 - 16.10 **Keynote Speaker: Development and application of the Demonstration of Life protocol**
Claire White (*National Farmers' Union (NFU), UK*)
- 16.10 - 16.25 **Assessment of the effectiveness and humaneness of upright restraint and stunning of broilers**
Troy J Gibson (*Royal Veterinary College, UK*)
- 16.25 - 16.45 **Improving the effectiveness and humaneness of head-only electrical stunning of turkeys**
Carlos Rebelo (*Royal Veterinary College, UK*)
- 16.45 - 17.00 **Stunning method for pigs: Views on where to prioritize future research**
Dorte Schrøder-Petersen (*Danish Technological Institute DMRI, Denmark*)
- 17.00 - 17.15 **Improved methods for stunning pigs with foam**
Miranda Blad (*Swedish University of Agricultural Sciences, Sweden*)
- 17.15 - 17.20 **Close of session**
- 17.20 - 19.00 **Drinks reception**

Friday 1st July

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09.00 - 09.10 **Introduction to meeting**

09.10 - 10.20 **Session Five: Humane Slaughter Award presentation**

09.10 - 09.15 **Award presentation to Dr Mette S Herskin**

09.15 - 10.00 **The case for the cull sow**
Mette S Herskin (*Aarhus University, Denmark*)

10.00 - 10.20 **Q&A Session with Mette S Herskin**

10.20 - 11.00 **Break**

11.00 - 12.55 **Session Six: Welfare during transport and the pre-slaughter period**

11.00 - 11.15 **Farm animal transportation regulations: time for a change?**
Eugénie Duval (*University of British Columbia, Canada*)

11.15 - 11.30 **European livestock drivers' knowledge about and experience with animal welfare**
Kirstin Dahl-Pedersen (*University of Copenhagen, Denmark*)

11.30 - 11.45 **Condition of bob-veal calves on arrival at abattoir in Ohio**
Zachary England (*Ohio State University, USA*)

11.45 - 12.05 **Eliminating discretionary deaths in the cull sow transport network**
Ben Peyer (*Johnsonville LLC, USA*)

12.05 - 12.20 **Post-egg episode: welfare during pre-slaughter**
Anneleen Watteyn (*Flanders Research Institute for Agriculture, Fisheries and Food, (IVLO), Belgium*)

12.20 - 12.35 **The on-farm slaughter procedure leads to increased animal welfare in pigs**
Roxana Amerie (*Pisa University, Italy*)

12.35 - 12.50 **Abattoir inspection as early warning system to improve pig welfare at farm level**
Marta Comin (*University of Milan, Italy*)

12.50 - 12.55 **Closing of conference**

12.55 - 13.30 **Lunch served and farewells**