

Programme

Application of Infrared Thermography to diagnose health conditions in farm animals

Wednesday, 24th January 2018

The Boiler House, Newcastle University

<http://conferences.ncl.ac.uk/irtnewcastle2018/>

Time	Agenda item	Speaker
10.00 - 10.15	Arrival – refreshments	
10.15 - 10.20	Welcome and Introduction	Dr Jonathan Guy Senior Lecturer School of Natural and Environmental Sciences Newcastle University Prof Malcolm Mitchell Chair in Physiology and Animal Welfare SRUC
<i>Chair</i>	<i>Prof Malcolm Mitchell</i>	
10.20 - 10.45	<i>Insights from the wild: thermography as a tool for monitoring metabolic heat production, tagging and handling</i>	Dr Dominic McCafferty Senior Lecturer Institute of Biodiversity Animal Health and Comparative Medicine University of Glasgow
10.45 - 11.10	<i>Stress is cool: thermography as a non-invasive approach to assess welfare in birds</i>	Dr Dorothy McKeegan Senior Lecturer Institute of Biodiversity Animal Health and Comparative Medicine University of Glasgow
11.10 - 11.25	<i>Looking through the rainbow: Practical tips and technical info to get the most out of thermal imaging in livestock science</i>	Marianne Farish Experimental Manager and Senior Technician Animal & Veterinary Sciences Research Group SRUC
11:25 - 11:45	<i>Coffee break</i>	<i>Demonstrations of IRT offered by:</i> Marianne Farish , SRUC George Coles , MiracleTech Kelly Jewell , Digatherm UK
11:45 - 12:05	<i>Thermal imaging for welfare monitoring in poultry farms</i>	Dr Katherine Herborn Research Associate Institute of Neuroscience Newcastle University
12:05 - 12:30	<i>What can mother hens teach us about using thermography to measure welfare?</i>	Dr Joanne Edgar BBSRC Fellow School of Clinical Veterinary Science University of Bristol

12.30 – 13:15 Lunch		
<i>Chair</i>	<i>Dr Jonathan Guy</i>	
13:15 - 13.40	<i>Explorations in clinical vascular optics and thermography – hot topics to share</i>	Dr John Allen Lead Clinical Scientist / Honorary Clinical Senior Lecturer Institute of Cellular Medicine at Newcastle University Northern Medical Physics and Clinical Engineering at Freeman Hospital
13:40 - 14:00	<i>Infrared Thermography to characterise injury and disease in pigs</i>	Dr Pierpaolo Di Giminiani Research Associate School of Natural and Environmental Sciences Newcastle University
14.00 - 14.15	<i>Industry needs and priorities</i>	David Brass CEO The Lakes Free Range Egg Co.
14.15 - 15.00	General discussion and identification of areas of common interest	
15.00- 15.15	Conclusions and actions	Dr Jayshree Johnstone Business Development Manager Newcastle University