

**26<sup>th</sup> September 2017**

**INDUSTRY INNOVATION FORUM**

**Cockle Park Farm  
Northumberland  
NE61 3EA, UK**

# Digital Innovation in Livestock

*Exploring the latest in precision farming for enhanced performance, health and welfare of livestock*



As the world demands more meat and other animal products, producers are moving towards more intensive, automated systems. The sector has to increase production while, at the same time, it faces challenges regarding animal health and welfare and environmental impact. Recent rapid developments in digital and sensor technologies could help to offer solutions.

On 26 September 2017 a Digital Innovation in Livestock Industry Innovation Forum organised by N8 AgriFood in conjunction with CIEL and STFC Food Network+, will bring together researchers working on livestock, engineering, image analysis and large-scale data, digital innovation and socioeconomics, with businesses, engineers, vets, farmers, policy makers and NGOs. The aim is to catalyse and develop collaborative research projects between industry and the N8 universities.

## **Topics covered will include issues such as:**

- Early disease detection and targeted use of antibiotics
- Remote monitoring of livestock performance and automated decision making
- Dealing with data

## **Registration**

Places are limited and subject to confirmation

## **Register with Eventbrite:**

<https://livestockiif.eventbrite.co.uk>

## **Any questions:**

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## **N8AgriFood**

The N8 AgriFood resilience programme combines world-leading research expertise in a wide range of disciplines in a single research initiative. It includes the 8 most research intensive universities in the North of England (Durham, Lancaster, Leeds, Liverpool, Manchester, Newcastle, Sheffield and York) and covers three main themes: sustainable food production, resilient supply chains and improved consumption and health.

[www.n8agrifood.ac.uk](http://www.n8agrifood.ac.uk)

## **C-Dial (Centre of Digital Innovation Applied to Livestock)**

CIEL provides a focused gateway to a core of 12 world-class research institutes to develop new industry-needed solutions as well as commercial trial farms for real world results. CIEL, together with Newcastle University's Cockle Farm Park, owns the onsite C-DIAL centre which consists of a purpose-built facility bringing the latest sensor-based and automated technologies for precision livestock farming, the continuous monitoring of the performance, health and welfare of livestock. Attendees to the Industry Innovation Forum will be given a tour of these state-of-the-art facilities

[www.cielivestock.co.uk](http://www.cielivestock.co.uk)

## **STFC Food Network+ (SFN)**

The SFN brings STFC research and facilities together with existing food research and industry to kickstart interdisciplinary collaborations. STFC researchers bring expertise in big data analysis (including satellite imaging), reliable precision technology and access to large facilities (e.g. Diamond) which can be applied to precision farming.