Artificial Intelligence: The Other Dairy "Al"





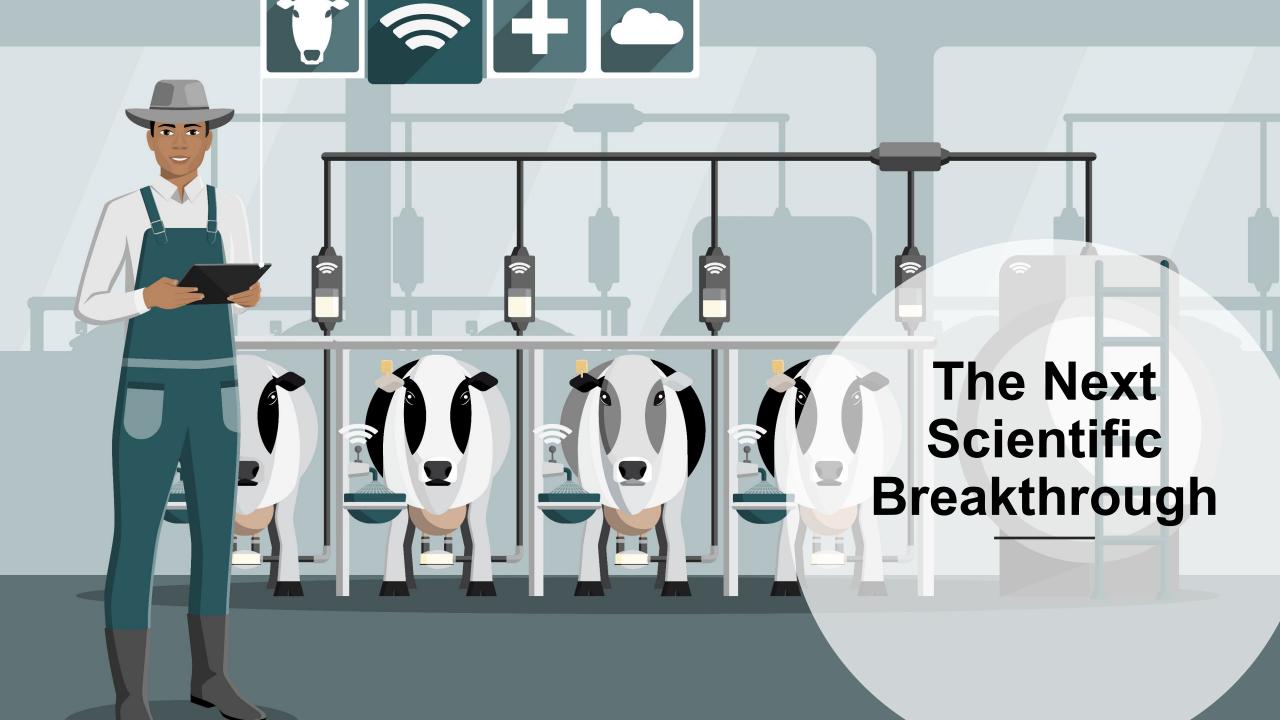
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Analytics and Innovation Scientist

Holstein USA, Inc.



LIVESTOCK TECH LANDSCAPE 2018

Disease Detection / Prevention





Operations Management

LIVESTOCK HEALTH

Fertility / Breeding

LIVESTOCK MANAGEMENT

LIVESTOCK OPERATIONS





Cattlesoft







Livestock Management

keeper

Dorphyrio

CL@UDFARMS

intelia 🏖

ISAGRI

FARMIQ





A DairyLive







Automated Milking Systems



Precision Feeding







Feed Management Software









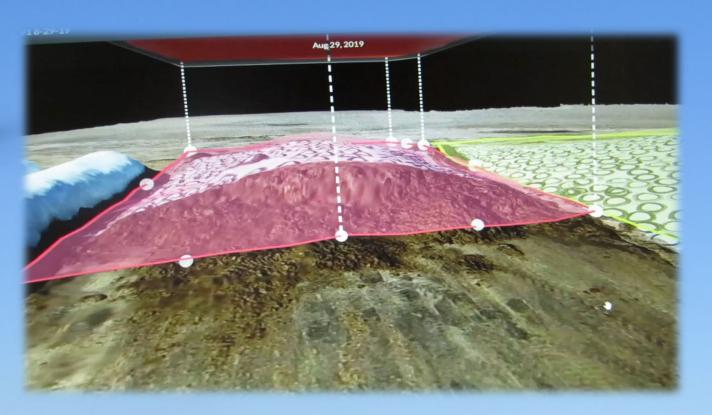






Silage Inventory with Drones

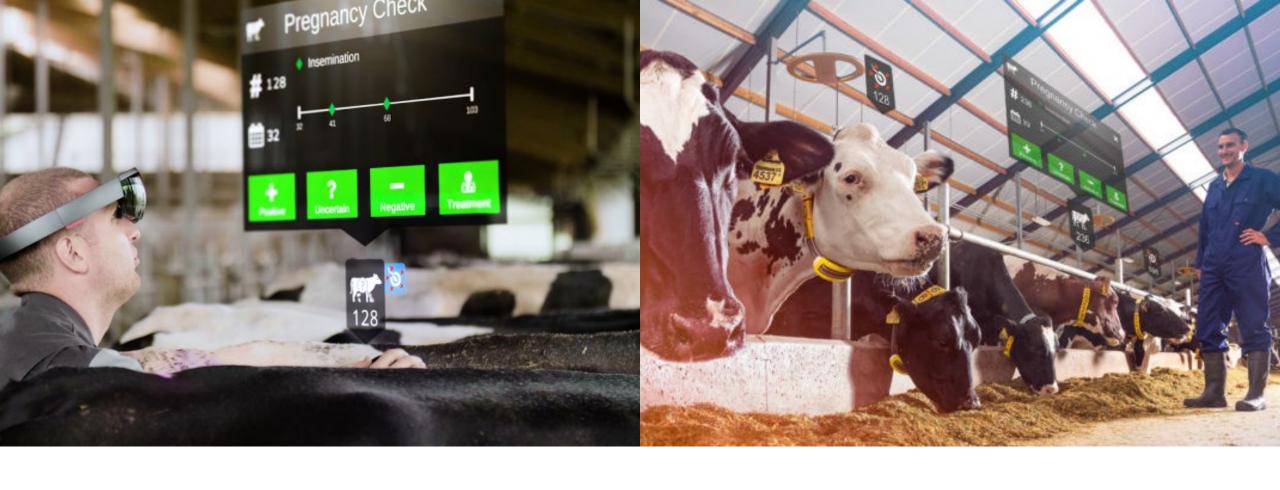












Virtual Reality





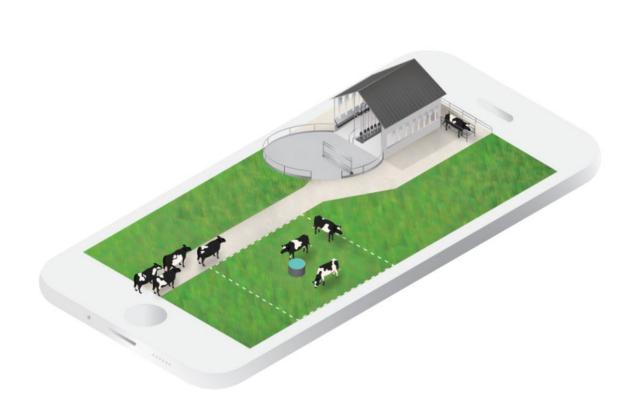
EARABLE TECH | LEER EN ESPAÑOL

A smart shirt for cows helps fight the heat in Japan

A Japanese apparel company designed a shirt for cows to help them beat the summer heat so they keep producing milk.

BY ZOEY CHONG | JUNE 30, 2017 4:47 AM PDT

Virtual Fences





HALTER



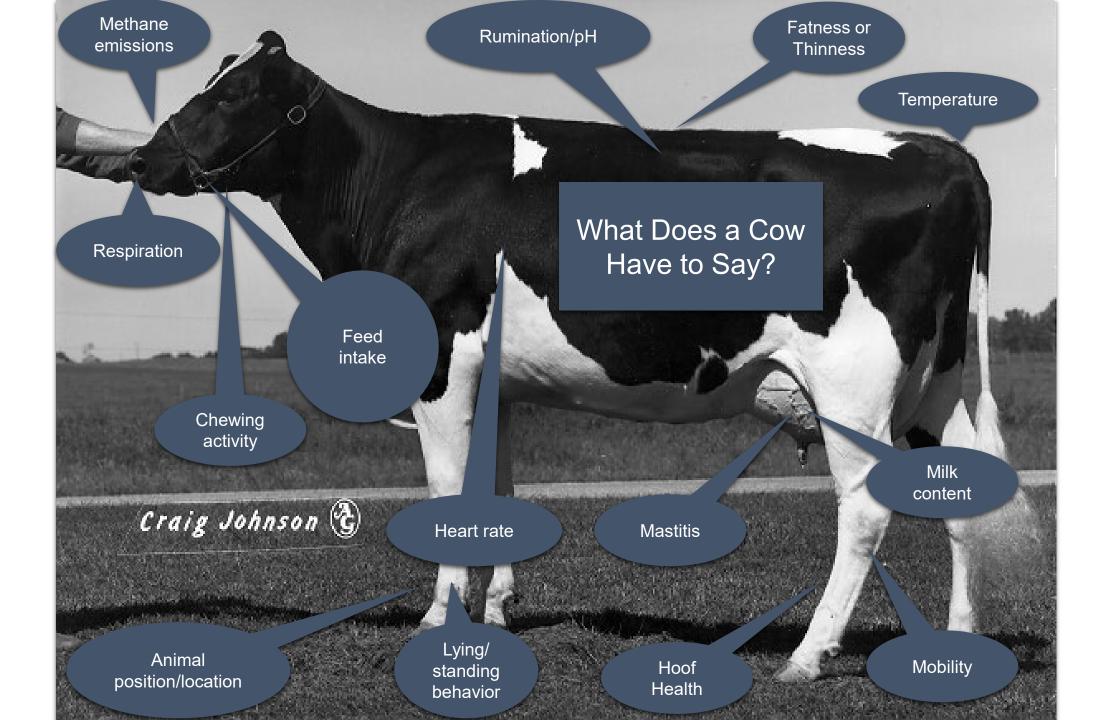
Precision Dairy Monitoring













Precision Dairy Monitoring Applications

- Estrus Detection
- Mastitis Detection
- Fresh Cow Disease Detection
- Lameness Detection
- Calving Detection
- Genetic Traits
- Management Monitoring

Wearables, Images, and Milk Analyses





STARTBOU® YOUR COWS. YOUR BUSINESS.





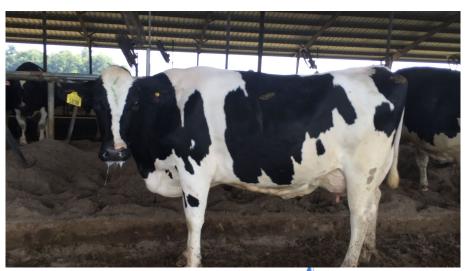




Real Time Location Systems

Cow Responsive Environments





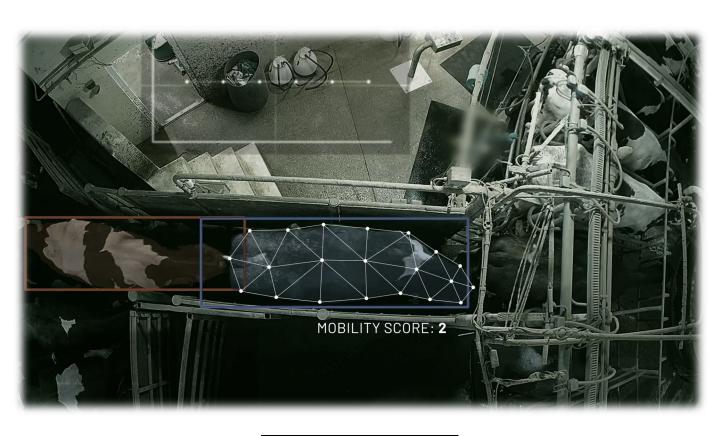








Future is Image and Milk Analysis







SomaDetect





Bacticam

Quick test results on milk samples - without leaving the farm!

Take milk samples, cultivate on your farm and get a result within 24 hours. Using a mobile camera and machine learning Bacticam identifies milk bacteria.

- ✓ A tailormade and preventive strategy for the animal health on your farm
- ✓ Routines, instructions & templates facilitating an efficient handling of risk animals
- ✓ A comprehensive overall concept



Contents lists available at ScienceDirect

Computers and Electronics in Agriculture

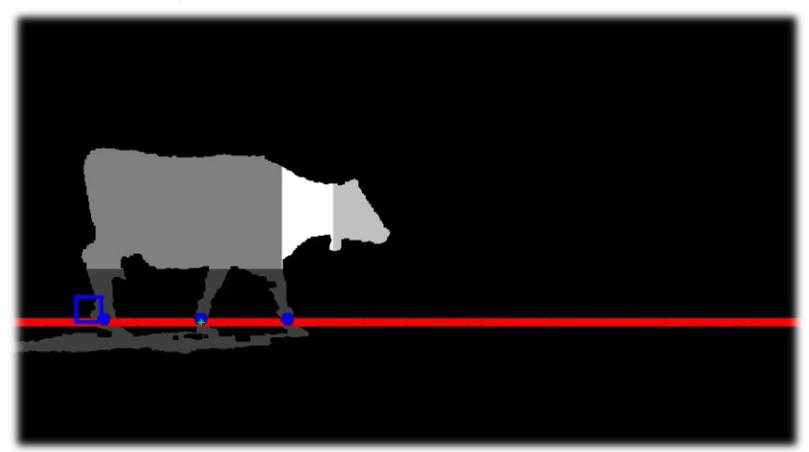




Original papers

Automatic lameness detection in dairy cattle based on leg swing analysis with an image processing technique

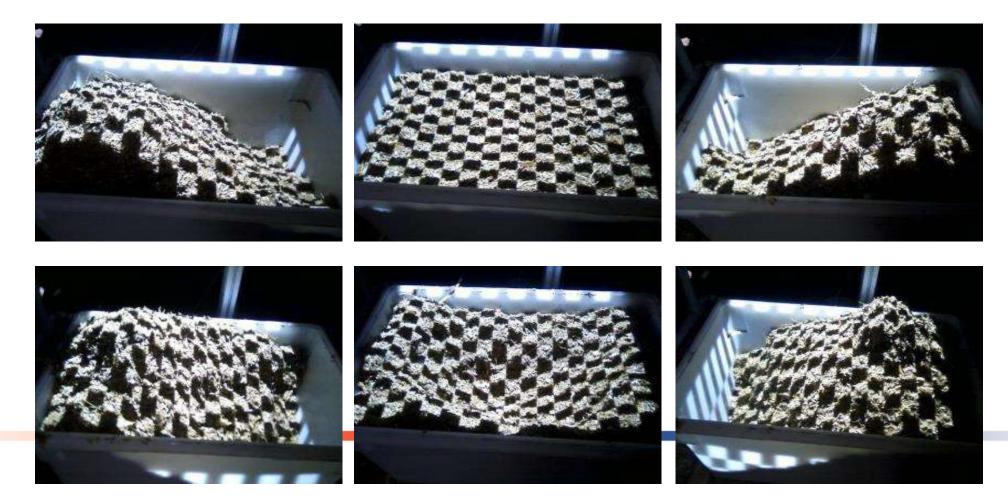
K. Zhao^{a,b}, J.M. Bewley^c, D. He^{a,d,e,*}, X. Jin^b





Short communication: Measuring feed volume and weight by machine vision

A. N. Shelley,* D. L. Lau,* A. E. Stone,† and J. M. Bewley†



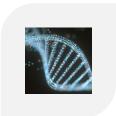


Better Decisions with Al











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GENETICS

DISEASE PREVENTION









CULLING

BARN CONTROL

NUTRIENT MANAGEMENT

ANIMAL WELFARE









Traceability

- Animal care
- Animal disease
- Bacteria
- Hormone
- Antibiotics
- Biosecurity



MHO OMNS THE DATAS

Data Silos



DHIA

Sensors

Genetics

Milk Buyer

Nutrition

Financial

Data Integrators



















