

Locomotion in the spotlight: from fundamental insights to practical solutions

Date: 13 June 2018, 12.00-15.00, including lunch

Venue: Wageningen Campus, Zodiac building 122, Room A0107, De Elst 1, Wageningen

The locomotion system of vertebrates has been shaped by a long evolutionary history and is essential for their survival. Locomotion problems are identified as major health and animal welfare problems. A considerable variation in locomotion related health issues between farms has been found. Despite a large amount of research and application of management strategies (flooring, hygiene, etc.), improvement is still aimed for. This seminar aims address this topic from different viewpoints and expertises and pays also attention to the human motion system. It is organised on the occasion of the PhD thesis defence of Wijbrand Ouweltjes on 13 June 2018 and is a network meeting for science, students, sector, stakeholder organisations, industry.

Programme

Chair: Prof. Dr J.L. van Leeuwen, Wageningen University & Research

Time	Speaker	Title
12.00	Lunch	
13.00	Dr S.W.S. Gussekloo, Wageningen University & Research	Biomechanics of bovine claws: from fundamental concepts to the identification of overload
13.20	Prof. Dr P.W.G. Groot Koerkamp Wageningen University & Research	Cow welfare from a model and design perspective
13.40	Dr A.C. Bouwman, Wageningen University & Research	Upscaling locomotion phenotyping for animal breeding and management purposes
14.00	Prof. Dr P.R. van Weeren, Utrecht University	When Julius Wolff may come to the rescue of William Hunter and prevent joint disease
14.20	Dr J.H. de Groot, Leiden University Medical Centre	The human motion system: from fundamental insights to recovery from injuries
14.40	Discussion	
15.00	Coffee/tea	

From 16.00 – 17.30 h Wijbrand Ouweltjes will defend his PhD thesis, with the title: “Effects of mechanical loads on the deformation and health status of claws in dairy cows”. The defence will be in the Aula of Wageningen University, General Foulkesweg 1, Wageningen.

Please register your venue for lunch at the secretariat of EZO, Annemarie Hofs, office.ezo@wur.nl or +31317483509.

Feel free to forward this invitation to colleagues who might be interested.

<https://www.wur.nl/en/activity/WIAS-Seminar-The-force-of-locomotion-from-fundamental-insight-to-practical-solutions-13-June-2018-.htm>