



MB2020 Sessions

Title	No.	Authors	Session
Turkey Gait Analysis: Predicting Expert Score With Machine Learning Based on IMU Data.	4023	Doornweerd Jan Erik (janerik.d@Al/machine learning	
Start Making Sense: Predicting confidence in virtual human interactions using biometric signals.	4063	Dalzel-Job Sara (sdalzel@ed.ac. Al/machine learning	
Recognition of Basic Gesture Components using Body Attached Bending Sensors	2130	Krumm Dominik (dominik.krumAl/machine learning	
Data Synchronisation and Processing in Multimodal Research	4028	Dolmans Tenzing (t.c.dolmans@Al/machine learning	
Zebrafish Posture Tracking in Standard Experimental Setups	4049	Taeter Harold (harold.taeter@kAl/machine learning	
Deep neural network for automatic recognition of cow behavior from accelerometer data and location data	4061	van Bruggen Simone (simone.v@Al/machine learning	
Deep learning systems for automated rodent behavior recognition systems suffer from observer bias: Time to	4110	van Dam Elsbeth (elsbeth.vand@Al/machine learning	
From shoppers to hefeirs: using a consumer research algorithm to understand patterns in animal behaviour	4020	Asher Lucy (lucy.asher@ncl.ac. Animal welfare	
Using EquiFACS annotation of video recordings “in the wild” to describe facial expressions of emotionally stre	4042	Andersen Pia Haubro (pia.haub Animal welfare	
Identifying Canine Posture from a Wearable Sensor: Application of Cross-Disciplinary Methods to Companion	4048	O'Sullivan Jack (j.o'sullivan4@n Animal welfare	
Counting Goats: A Case Study Demonstrating the Efficacy of Pre-existing Open Source Object Detection for Or	4053	Zobel Gosia (gosia.zobel@agres Animal welfare	
Developing tools for precision livestock research	4055	Ouweltjes Wijbrand (wijbrand.c Animal welfare	
Testing light colour preference in broiler chickens	4056	de Jong Ingrid (ingrid.dejong@v Animal welfare	
Dr Cecilia, Virtual Treatment of Eating Disorders	4034	Sodersten Per (per.sodersten@ Demonstration	
DIY and Open Science approach in behavioural studies	4039	Francikowski Jacek (jacek.franci Demonstration	
Baboons on the Move: Enhancing Understanding of Collective Decision Making through Automated Motion D	4067	Crutchfield Christopher (ccrutcl Drones	
Can sheep be trained to follow a drone for a food reward?	2070	Rutter Mark (smrutter@harper Drones	
Using UAVs to measure behavioral indicators of heat stress in cattle	2080	Justin Mufford (jt.mufford@gm Drones	
Choosing the Right Drone for Animal Research	2090	Serin Spencer (spserin@gmail.c Drones	
Use of Aerial Thermal Imaging to Compare Surface Temperature Between Light and Dark Variants of Black An	4070	Urban Joanna (jurban@tru.ca) Drones	
Measuring in-field spatial proximity of cattle from aerial images: Comparison with visual and GNSS-based met	2100	David Hill Drones	
Non-conscious, non-verbal measures of emotional responses to food experience: What can we learn from bra	2120	Kaneko Daisuke (dkaneko@mai Food experience	
ANS Responses and Expectations: Challenges in Determining the Link to Arousal and Attention	2040	Verastegui Tena Luz (luz.verast Food experience	
The development a new method based on eye-tracking and emotion-color association to detect the implicit fr	4031	Ismael Diana (diana.ismael@un Food experience	
Measuring implicit processes in food related emotional episode	4080	Delplanque Sylvain (sylvain.del Food experience	
A smartphone-based approach-avoidance task	4100	Zech Hilmar (h.g.zech@fsw.leid Food experience	



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Multisensory flavour and food priming	4120	Dijksterhuis Garmt (garmt.dijks@uu.nl)	Food experience
Some lessons learnt on the role of implicit measures in food science	2050	de Wijk Rene (rene.dewijk@wu.nl)	Food experience
The implementation of gamified online surveys based on real-time behavioral data	4043	Smits Aletta (aletta.smits@hu.nl)	Human factors/UX
Using Smartphone and Wearable Sensors to Track and Monitor Smoking Episodes Quantitatively in Daily Life	4044	Zhai Donghui (eric.zhai@imec.be)	Human factors/UX
Development of an algorithm to identify stabilisation time for car-following after transitions of control from vehicle to driver	4057	Goncalves Rafael (tsrg@leeds.ac.uk)	Human factors/UX
Applying Entropy to Understand Drivers' Uncertainty during Car-following	4058	LYU WEI (tswl@leeds.ac.uk), Gao Yifan	Human factors/UX
Systematic Use of Subjective Reflections on Autonomous Controller Evaluation in Driving Research and Iterative Design	4065	Forster Deborah (forstermobu@leeds.ac.uk)	Human factors/UX
Public data resource and mining tools of AHCODA-DB combine conventional and automated home-cage data to study animal behavior	2210	Koopmans Bastijn (bastijn.koopmans@uu.nl)	Large Scale data
How to replicate behavior in the lab: lessons learned from 50 users a year	2200	Bikovski Lior (liorbiko@gmail.com)	Large Scale data
A Road Map to Neuro-Behavioral Phenotyping Strategies	2220	Tsoory Michael (michael.tsoory@uu.nl)	Large Scale data
Developing and maintaining a behavioral research tool from a product management perspective	2240	Roelofs Reinko (r.roelofs@nold.nl)	Large Scale data
A Distance-Based Classification Method to Assess Frontal Behavior from Human Behavioral Sensing	4021	BATRANCOURT Bénédicte (benedicte.batrancourt@uclouvain.be)	Neuroscience
Beyond locomotion: stimulus selectivity of sensory evoked behaviours unfolds in a higher dimensional space	4025	Storchi Riccardo (riccardo.storchi@uclouvain.be)	Neuroscience
Assessing disinhibition behaviour in behavioural variant frontotemporal dementia patients using ecological, cognitive and neuroimaging approaches	4027	Tanguy Delphine (delphine.tanguy@uclouvain.be)	Neuroscience
The use of 24 hour activity and video monitoring to determine whether male C57BL/6J mice are more social compared to 129/SvEv mice	4032	Moore Joanna (joanna.l.moore@uu.nl)	Neuroscience
Semiotic approach to behavioral pattern analysis in complex maze tasks.	4047	Berezhnoy Daniil (b@neurobiol.uclouvain.be)	Neuroscience
Comparing motor performance of different mouse strains on two RotaRod systems	4024	Dreesen Eline (r01esd17@abdn.ac.uk)	Neuroscience
Designing tasks to comparatively measure behaviour in a range of different species: A case study in whisker-mediated object recognition in mice	4026	Grant Robyn (robyn.grant@mri.harvard.edu)	Noah's Ark
Zebrafish Posture Tracking in Standard Experimental Setups	4041	Taeter Harold (harold.taeter@klu.ac.be)	Noah's Ark
Uncovering mechanisms shaping animal behavioural individuality using the cyclic parthenogen Daphnia as a model organism	4029	Pietrzak Barbara (b.pietrzak@uu.nl)	Noah's Ark
Can the sophistication of hunting techniques explain the success of lionfish in their invasive range in the Caribbean?		Sarhan Hanaa (hanaa.sarhan@uclouvain.be)	Noah's Ark
Feasibility study of magnetoencephalographic inter-subject synchrony during music listening	4068	Thammasan Nattapong (n.thammasan@uu.nl)	Physiology-Synchrony
Physiological Synchrony in EEG, Electrodermal Activity and Heart Rate for the Assessment of Shared Attention	2060	Stuldreher Ivo (ivo.stuldreher@uu.nl)	Physiology-Synchrony
Optimal subgroup identification in a P300-based collaborative Brain-Computer Interface	2160	Bianchi Luigi (luigi.bianchi@unil.ch)	Physiology-Synchrony
Robustness of inter-brain synchrony detection methods	4069	Chen Qiurui (q.chen@student.uclouvain.be)	Physiology-Synchrony
Using Cow Location Data For Practical On-farm Applications – A Pilot Study In The Netherlands	4008	van Erp Lenny (el@has.nl)	Precision Livestock



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Title	No.	Authors	Session
Using Infrared Thermographic Images for Early Detection of Clinical Lameness in Dairy Cattle	4009	Hofstra Gerben (G.Hofstra@ha)	Precision Livestock
Measuring Micro-Expressions during Animals' Social Interactions	4046	Camerlink Irene (irene.camerlin)	Precision Livestock
Image analyses to determine body weight, water consumption and individual animal identification from a car	4064	McGlone John (john.mcglone@)	Precision Livestock
Automated monitoring of pig behaviour in the 'Family Pigsty' using TrackLab	4026	Reimert Inonge (inonge.reimert)	Precision Livestock
E-consumers' Attribute Non-Attendance Switching Behavior: Effect of providing information on attributes	4016	maaya leonard (leonard.maaya)	Psychology
Towards a framework of effective measurement of agitation for people with dementia when using a social rol	4017	Moyle Wendy (w.moyle@griffit)	Psychology
A Virtual Reality Application for Treating Eating Behaviour in Eating Disorders	4033	Langlet Billy (billy.langlet@ki.se)	Psychology
Measuring Behavior in Counseling Clinic Waiting Areas	4059	Wikkerink Lauralee (archshere)	Psychology
Triangulating Consumer Behavior and Attitudes to Assess New Market Opportunities	4066	Martin Jolie (joliemm@gmail.cc)	Psychology
VALIDITY and RELIABILITY of N BACK TASK as a WORKING MEMORY TASK	4071	Ilgim Hepdarcan Sezen (ilgim.h)	Psychology
Intra- and inter-reproducibility of olfactory assays	4028	Lim Charmaine (r01cjml@abdn.	Reproducibility
The EQIPD Quality System: a unique tool to improve the robustness of preclinical drug discovery research dat	2180	Gerlach Björn (b.gerlach@me.c	Reproducibility
Can we replicate our own results?	2230	Brown Richard (rebrown@dal.c	Reproducibility
Psychological theory and replication.	4013	Dijksterhuis Garmt (garmt.dijks	Reproducibility
UNKNOWN	nnnn	Jan Volkert	Reproducibility
Combining eye tracking and physiology for detection of emotion and workload	4024	Brouwer Anne-Marie (anne-ma)	Sensors
Measuring Sickness Recovery With Thermal Imaging	4029	Parois Severine (severine.parois)	Sensors
Validation of wearables for electrodermal activity (EdaMove) and heart rate (Wahoo Tickr)	4030	Borovac Ana (anb48@hi.is), Stu	Sensors
Establishing the quantification of whisker-related and locomotor exploratory behaviour as a diagnostic tool fo	4022	Simanaviciute Ugne (ugne.sima)	Sensory perception
The dynamic 'ears' of bees; sound localization vs sound lateralization	4052	Agterberg Martijn (martijnagter)	Sensory perception
Measuring Behavior of Low-Vision Populations Using Virtual Reality	4060	Hughes Ashley (archsheren@y)	Sensory perception
Flow Visualization in Swimming Practice Using Small Air Bubbles	2010	Clercx Herman (H.J.H.Clercx@ti	Sports Science
Wearables in Elite Sports – Training Support in Snowboarding through Plantar Pressure Sensors and Inertial M	2140	Schwanitz Stefan (stefan.schwa)	Sports Science
Measuring Performance and Infringements in elite race-walkers: the IART system	2170	Caporaso Teodorico (teodorico)	Sports Science
Chainring Eccentricity Affects Pedal Force Profiles and Musculoskeletal Responses During Cycling.	4090	Robinson Amy (a.robinson@mr)	Sports Science
Assessing the likelihood of serve success using nearest neighbourhood methods	4036	Choppin Simon (s.choppin@sh)	Sports Science