



Wed 6th June 2018  
Morning

		G27	G26	G36	G34	G35
09:00-10:00	Keynote	<a href="#">Francoise Wemelsfelder</a> <a href="#">A Window on Welfare – Measuring the expressive qualities of behavior</a> <a href="#">New technologies and software to advance the 3rs and behavioural measurements in animal research</a>	<a href="#">New tools to analyse motor activity and movement</a>	<a href="#">New methods and techniques for human factors studies</a>	<a href="#">Integration of traditional and neuroscientific techniques in the study of consumer behaviour: the contribute f Neuromarketing.</a>	<a href="#">Fish as model organisms in behavioural research</a>
10:00-10:20		10:00-10:30 Claire Witham Monitoring Social Relationships in Group-housed Monkeys using Automated Face Recognition and Tracking	Wiktor Niewiadomski, Ewelina Palasz, Krzysztof Kodrzycki, Anna Gasiorowska, Gernot Riedel and Grazyna Niewiadomska Analysis of movement in Inverted Grid Test: Principles, Confirmation and Automatization	Chris Ferguson, Herre van Oostendorp, Egon L. van den Broek and Geert-Jan Giezeman. Hypertext usability measures for measuring task performance in serious games	Dominika Maison Implicit Association Test (IAT) – computer based method to measure implicit attitudes and better predict consumer behaviour	Lynne Sneddon Larval zebrafish allows high throughput behavioural analysis: Replacing adults in the study of nociception and drug testing
10:20-10:40			Maurizio Casarrubea, Wiktor Niewiadomski, Anna Gasiorowska, Ewelina Palasz, Grazyna Niewiadomska, Andrea Santangelo, Fabiana Faulisi, Giuseppe Crescimanno and Gernot Riedel Temporal patterns of mice behavior in the horizontal grid test following MPTP	Jonathan Carlton, Andy Brown, John Keane and Caroline Jay. Using Low-Level Interaction Data to Explore User Behaviour in Interactive-Media Experiences	Christian Caldato, Simone Benedetto, Elia Bazzan, Luca Rodighiero and Maurizio Mauri Emotional Impact played by Art Experience Measured by Means of Neuroscientific Techniques	Maxime Jacmin and Alexander D. Crawford Zebrafish Dravet syndrome models for antiepileptic drug candidates discovery and behaviour investigation
10:40-11:00		10:30-11:00 Rowland Sillito, R Sonia Bains, Gareth Banks, Adina T Michael-Titus, Pat M Nolan, Will S Redfern, Jordi L Tremoleda, Karen Tse, Sara Wells, Ping K Yip and J Douglas Armsrong 3Rs Benefits of Monitoring Group Housed Animals in the Home Cage	Ivanna Timotius, Sandra Mocerri, Anne-Christine Plank, Johanna Habermeyer, Fabio Canneva, Nicolas Casadei, Olaf Riess, Jürgen Winkler, Jochen Klucken, Bjoern Eskoefier and Stephan von Hörsten Rodent's Stride Length Depends on Body Size: Implications for CatWalk Assay	Neil de Joux, Eleanor Foderingham, Danielle Harris and Leah O'Rourke. Functional near-infrared spectroscopy: beyond measuring workload	Maurizio Mauri, Luca Rodighiero, Elia Bazzan, Simone Benedetto, Christian Caldato and Linda Armano Assessment about Storefront Displays with a Multidisciplinary Approach based on Neuroscientific Methods, Self-reports and Anthropological Marketing.	Arshi Mustafa, Dicle Cetinkaya, Xi Cheng, Per Ove Thörnqvist and Svante Winberg Spiegeldanio A bold and aggressive fish but what if it loses a fight?
11:00-11:30	Coffee	10:30-12:00 Lynne Sneddon An intelligent monitoring software tool to measure zebrafish health	Ivanna Timotius, Fabio Canneva, Georgia Minakaki, Sandra Mocerri, Nicolas Casadei, Olaf Riess, Jürgen Winkler, Stephan von Hörsten, Bjoern Eskoefier and Jochen Klucken Systematic Data Analysis and Data Mining in Gait Analysis by Heat Mapping	Erwin R. Boer, Deborah Forster and Natasha Merat. Using Human Operators to Understand Human Operator Behavior: Adding Meaning to Behavior in Complex Environments using Ethnographic Auto-Confrontation	Hendrik Slabbinck, Iris Vermeir, Nanouk Verhulst and Maurizio Mauri Self-serving technology or an employee? A neurological approach	Erika Roman, Ronja Brunberg, Arshi Mustafa, Per-Ove Thörnqvist and Svante Winberg Behavioral Profiling using a Modified Version of the Zebrafish Multivariate Concentric Square Field™ (zMCSF) Test
11:50-12:10			Ana Gerós, Ana Magalhães and Paulo Aguiar Automatic Classification of Rodents' Behavioral Activity based on Depth Cameras	Rene Vreede and Colin Guiking. On the Practicality of Mental Workload Measurement in a Maritime Environment	Jesper Clement Validation of visual attention data comparing 2D and 3D set-up	Svante Winberg, Arshi Mustafa, Per-Ove Thörnqvist and Erika Roman How to Make Use of Individual Variation? Discussion
12:10-12:30		12:00-12:30 Nathalie Percie Du Sert Designing robust experiments with the Experimental Design Assistant	Discussion	Fanta Camara, Richard A. Romano, Gustav Markkula, Ruth Madigan, Natasha Merat and Charles W. Fox Empirical game theory of pedestrian interaction for autonomous vehicles	M. Ángeles Vargas, Jeff Brunstrom, Salomé Pérez, Verónica Ciaurritz, Stefano Sobrino, Blanca Martínez de Morentin, Santiago Navas-Carretero, Alfredo Martínez and Eva Almiron-Roig Measuring the Effects of Visual Cues on Eating Behaviour through a Combined Methodological Platform	
12:30-14:00	Hot buffet lunch and poster session					



Wed 6th June 2018  
Afternoon

	G27	G26	G36	G34	G35
	<a href="#">Laboratory animal welfare</a>	<a href="#">Measuring behavioural rhythms and what they reveal about an animal's state</a>	<a href="#">Sequence Analysis Approaches to Discovering Hidden Temporal Patterns in Behaviour</a>	<a href="#">Traditional observational techniques applied to novel areas</a>	<a href="#">Measuring and influencing behavior using biological and neural measures in humans.</a>
14:00-14:20	Stina Lundberg, Heléne Le and Erika Roman. Left Alone – Effects of Acute and Prolonged Social Isolation on the Behavioral Profile in Adult Male and Female Wistar Rats	Nicolas Wagner, Violaine Antoine, Jonas Koko, Marie-Madelaine Richard, Romain Lardy and Isabelle Veissier. Use of time series methods to identify abnormal circadian pattern of activity	Dave Keatley and David Clarke Indicator Waves: A new temporal method for measuring multiple behaviours as indicators of future events	Rachel Peden, Irene Camerlink and Simon Turner. Comparing farmers' perceptions of the severity of pig aggression seen in video clips against actual severity	Joost Dessing Using Transcranial Magnetic Stimulation to examine the control of manual interception
14:20-14:40		Michel B.C. Sokolowski and Coralie Allain. Using Skinner boxes to study circadian rhythms in honey bees	Paul Taylor Using Proximity Coefficients to Examine Behavioural Dependencies Within and Between Cases	Delphine Tanguy, Johan Ferrand-Verdejo, Richard Levy, Julie Socha, Raffaella 'Lara' Migliaccio and Bénédicte Batrancourt. Assessing disinhibition behaviour in behavioural variant frontotemporal dementia patients using ecological and cognitive tasks	Chesney Craig, Paul Holmes and Nicola Ray Using Electrophysiology to Provide Novel Insight into the Neural Activity Underlying Ambulatory Behavior
14:40-15:00		Christine Fuchs, Charlotte Kiefner, Magdalena Kalus, Sven Reese, Michael Erhard and Anna-Caroline Wöhr Polysomnography as a Tool to assess equine Welfare	Magnus Magnusson T-pattern Detection and Analysis (TPA)	Annika Huber, Nele Dael, Catia Caeiro, Hanno Würbel, Daniel Mills and Stefanie Riemer. From BAP to DogBAP – Adapting a Human Body Movement Coding System for	Yael Benn and Ofer Bergman Using fMRI to investigate human preferences in information behaviour
15:00-15:20		Lucy Asher, Jack O'Sullivan, Cassim Ladha and Zoe Belshaw. Rhythm of the night: Circadian rhythms in activity as a potential welfare indicator	Gudberg K. Jonsson An overview of recent research involving the T-pattern model	Annelien Smets, Ruben D'Hauwers and Bram Lievens. Context-Aware Experience Sampling Method to Understand Human Behavior in a Smart City: a Case Study	Maria I Cordero Studying stress effects on behaviour by combining subjective, endocrine, physiological and neural measures
15:20-15:50 Tea					
15:50-17:00	<a href="#">Workshop - Can Research Software Engineers help measuring behaviour?</a>	<a href="#">Workshop behavioural rhythms</a>	<a href="#">Tutorial: The challenges and opportunities running a behavioral core facility offers</a>	<a href="#">Workshop - Can we turn "Behavioural Tests" into "Behavioural Bioassays"?</a>	
		15:50-16:10 Christina Umstaetter, Bruna N. Marsiglio-Sarout, Carol-Anne Duthie, Marie J. Haskell, Anthony Waterhouse and Berger Anne. Using activity sensors to characterise behavioural rhythm			
		16:10-16:30. Cassim Ladha Sensing: Under the covers			
		16:30-17:00. Discussion			
17:00-18:00 Keynote	<a href="#">Karl Bates - "Measuring functional morphology and ecological behaviour during the evolution of birds"</a>				
Evening	Reception Location described in conference pack				



Thurs 7th June 2018

	G27	G26	G36	G34	G35
09:00-10:00 Keynote	<a href="#">Frank Grasso</a> <a href="#">The BioMimetic approach to studying the control and coordination of behavior in robots, octopuses and other marine invertebrates</a> <a href="#">Facial Expressions Analysis of Human and Animal Behavior</a>	<a href="#">From models of behavior to models that behave</a>	<a href="#">Rodent and human studies of social behaviour and its dysfunctions</a>	<a href="#">New sensors for measuring behavior</a>	<a href="#">Measuring zoo animal welfare</a>
10:00-10:20	Tiffany Drape and Stacy Vincent Measuring Response to Racial Bias Among Preservice Teachers During a Class Intervention	Benjamin Hawker and Roger Moore Deriving Hierarchical Control Structures to Produce Measurable Complex Behaviour	Ewelina Knapska Tracking social hierarchy and interactions of mice in Eco-HAB - a fully automated and ecologically relevant environment for assessment of social behaviors	Sukru Eraslan, Yeliz Yesilada and Simon Harper. Crowdsourcing a Corpus of Eye Tracking Data on Web Pages: A Methodology	Holly Farmer Application of Technologies to Welfare Assessments in Zoos
10:20-10:40	Daniel Lightley Modelling attributes of common mental health disorders in adolescents using audio-visual data	Shaktee Sindhu, Tauseef Gulrez, Maximilian Parker and Warren Mansell Measuring Behaviour as Perceptual Control Using Human Simulations of Predator and Prey Pursuit	David Skuse Autism Spectrum Disorders in Females	Murtazina Elena, Trifonova Natalya, Zhuravlev Boris, Matiulko Irina and Gorovaya Anna. Competitive and Cooperative Models of Joint Activities in Dyads by Using Biological Feedback from Electromyographic Signals	Maria Diez Leon Abnormal repetitive behaviours as indicators of zoo animal welfare: why, what, when and how to measure
10:40-11:00	Gemma Stringer, Laura Brown and Moi Hoon Yap Taking Research to the Community: An Initial Protocol for the Experimental Measurement of Emotional Expression in People with Dementia	Maximilian Parker, Sarah Tyson, Andrew Weightman and Warren Mansell From Measurement to Models to Movements: Reproducing Human Tracking Performance with a Model Driven Steering Wheel.	Tatiana Peleh, Fayin Li, Laura Carnellas-Dols and Bastian Hengerer Automated analysis of social behavior in groups of mice	Alyx Milne, Mollie Taylor and Robyn Grant. How do Sea lions detect texture using their whiskers?	Robert Young and Vinicius Goulart Using sound observations to measure behaviour
11:00-11:30 Coffee					
11:30-11:50	Cristina Palmero, Elsbeth van Dam, Sergio Escalera, Mike Kelia, Guido Lichtert, Lucas Noldus, Andrew Spink and Astrid van Wieringen Automatic mutual gaze detection in face-to-face dyadic interaction videos	Vyv Huddy Acquisition of Control in a Complex Dynamic System Task: Computational Modelling of Spontaneous Improvements in Performance	Indu Dubey and Bhismadev Chakrabarti Social Reward Responsivity in Humans: Insights for and from Autism Spectrum Disorder	Oludamilare Matthews, Simon Harper and Markel Vigo. Towards Arousal Sensing With High Fidelity Detection of Visual Focal Attention	Samantha Ward and Geoff Hosey Measuring Human-Animal Interactions and Relationships: using psychological and biological approaches
11:50-12:10	Maheen Rashid, Sofia Broomé, Pia Haubro Andersen, Karina Gleerup and Yong Jae Lee What should I annotate? An automatic tool for finding video segments for EquiFACS annotation	Adam Matic and Alex Gomez-Marin Perceptual Origins of Geometric Kinematic Constraints in Human Drawing	Christopher Pryce, Giorgio Bergamini, Hannes Sigrist, Franziska Odermatt and Bastian Hengerer Operant tests for the study of stress effects on gustatory and social reward processing in mice	Rana Khayyat, Robyn Grant, Kirsty Shaw and Louise Melling. The Effect Of Wing Tears On The Flight Behaviour Of Common Pipistrelle Bats (Pipistrellus Pipistrellus)	Sarah Chapman A proactive monitoring programme for ageing zoo animals
12:10-12:30	Andreas Maroulis Baby FaceReader AU classification for Infant Facial Expression Configurations	Alex Gomez-Marin, Shruthi Ravindranath, Gerald Loeb and Rui Costa Confident in Teaching, Ignorant in Learning: Reorganization and Good-Enough Control in Rodents, Humans and Simulations	Discussion	Ruth Sims, Matthew Hart and Anastasia Vasina. Use of wearable devices to reduce musculoskeletal risk behaviours	Fay Clark Competence and Agency as Novel Measures of Zoo Animal Welfare
12:30-14:00	Cold buffet lunch, posters, lunch, lab tours				



**Thursday 7th June  
Afternoon**

	<b>G27</b>	<b>G26</b>	<b>G36</b>	<b>G34</b>	<b>G35</b>	<b>Exhibition</b>
14:00-15:30	Facila expressions contd.	<a href="#">New analysis methods for behavioral data</a>	<a href="#">New mazes and behavioral tests</a>	New sensors contd.	<a href="#">Measuring zoo animal welfare</a>	
14:00-14:20	Pia Haubro Andersen, Karina Bech Glerup, Jennifer Wathan, Britt Coles, Hedvig Kjellström, Sofia Broomé, Yong Jae Lee, Maheen Rashid, Erika Rosenberg, Claudia Sonder and Deborah Forster Can a Machine Learn to See Horse Pain? An Interdisciplinary Approach Towards Automated Decoding of Facial Expressions of Pain in the Horse	Zuzana Zajková, José Manuel Reyes-González, Jacob González-Solis and Frederic Bartumeus. The Movement Ecology of Seabirds revealed with Unsupervised Behavioural Clustering	Magdalena Monier, Sabine Nöbel, Anne-Cécile Dagaëff, Laurent Polizzi, Guillaume Isabel and Etienne Danchin. The Hexagon - A New Tool for Multiple Simultaneous Demonstrations in Mate-Copying	Marina Terra-Braga, Maria Isabel Ferraz-De-Oliveira, José António Lopes-De-Castro and Elvira Sales-Baptista. Sheep nocturnal grazing behavior using infrared point-of-view camera – a preliminary study	Discussion and Workshop (until 15:20)	
14:20-14:40	Lúis M. Cunha, Célia Rocha and Rui Costa Lima A new approach to analyse facial behaviour elicited by food products: Temporal Dominance of Facial Emotions (TDFE)	Gerd Kempermann, Anna Grzyb, Sara Zoher, Susan Schilling and Andreas Brandmaier. Longitudinal multivariate measurement of emerging individuality	Matiulko Irina, Murtazina Elena and Zhuravlev Boris. The Model of Cooperation of Two Rats in the Interactive Rat Touch Screen Chamber	Nick Van Loy, Griet Verbeeck and Elke Knapen. High accuracy indoor positioning system to monitor spatial use in dwellings		
14:40-15:00	Karen Lander, Judith Bek and Ellen Poliakoff Measuring recognition of emotional facial expressions by people with Parkinson's disease using an eye-tracking methodology	Annelien Smets, Francesca Spagnoli and Shenja van der Graaf. Behaviour Monitoring in Context: a Methodology for Measuring the Impact of the Human Factor on Smart Cities Big Data and Technologies	Robyn Grant. The LocoWhisk Arena: A novel behavioural set-up that quantifies rodent exploration and locomotion behaviours	Adam Brooker, Andrew Davie and Herve Migaud. Observing the Fine-Scale Behaviour of Cleaner Fish in Commercial Salmon Net Pens Using Passive-Acoustic Telemetry		
15:00-15:20	Discussion	Zach Cleghern, Margaret Gruen and David Roberts. Using Decision Tree Learning as an Interpretable Model for Predicting Candidate Guide Dog Success	Michel B.C. Sokolowski. New tools to study nectar consumption in honey bees: testing demand law in honey bees	Siiri Silm. Mobile-phone based data-collection methods for social studies: case studies from Estonia		
15:20-16:00 Tea						
16:00-16:30	<a href="#">Demo: New tools for better behavioral data from Ugo Basile</a>	<a href="#">Demo: DSI (16:00-16:45)</a>	<a href="#">Demo: MutualGazeReader from Noldus</a>	<a href="#">Demo: Operant conditioning for nectar-foraging animals.</a>	<a href="#">Demo: GaitKeeper from VetSens</a>	<a href="#">Demo: Simulating living systems from MMU</a>
16:30-17:00	Ugo Basile Contd.	<a href="#">Demo: FNIR from Biopac (16:45-17:45)</a>	<a href="#">Demo: PaperSteam from Univ. Manchester</a>	<a href="#">Demo: START: a Tablet-Based Platform to Detect Autism Risk</a>	Gaitkeeper contd (to 16:45)	MMU contd.
17:00-17:30	<a href="#">Customization of Research Devices with BITalino &amp; biosignalsplux.</a>	Biopac contd.		<a href="#">Intelligage</a>	<a href="#">Demo: Sonotrack by Metris (16:45 - 17:45)</a>	MMU contd.
17:30-18:00 Drinks						
18:00-19:00 Keynote & drinks						<a href="#">Kim Kaos</a> <a href="#">Meet a Polar Bear</a>
Evening	Conference Dinner Location described in conference pack					



8th Friday June

	G27	G26	G36	G34	G35
09:00-10:00	Keynote <a href="#">Carl Payton</a> <a href="#">Classification of Para swimmers with physical impairments – what should we measure and how?</a> <a href="#">Measuring behavior in elite sport</a>				
10:00-10:20	Paul Barratt Measuring Performance at the Great Britain Cycling Team	Esther Ellen and Bas Rodenburg Using sensor technologies in animal breeding: improving damaging behaviour of animals kept in groups	Helena Telkanranta, Elizabeth Paul and Michael Mendl. Thermal Imaging as an Emerging Technique to Study Proximate Causes of Behaviour – A Review on Current Methods and Future Directions	Ailsa E. Millen and Peter J.B. Hancock. A Novel Behavioural Test For Detecting Concealed Face Recognition	Tutorial <a href="#">10:00-11:30</a> <a href="#">Tutorial: Vision for Action: How and why eye-tracking informs about performance in both real and virtual worlds from Tobii</a>
10:20-10:40	Ian Gatt, Wheat Jon and Tom Allen Validity and Repeatability of wrist joint angles in Boxing using the Polhemus markerless motion capture system	Malou van der Sluis, Esther D. Ellen, Yvette de Haas and T. Bas Rodenburg Radiofrequency identification systems: Advantages and constraints for tracking and monitoring of individual animals	Benjamin Risse, Michael Mangan and Barbara Webb. Possibilities, Constraints and Limitations of Image-based Animal Tracking in Natural Environments	Johan Ferrand-Verdejo, Bénédicte Batrancourt, Delphine Tanguy, Rafaella 'Lara' Migliaccio and Richard Lévy. Apathy's forms and neural basis in behavioral frontotemporal dementia (bvFTD)	
10:40-11:00	Teodorico Caporaso, Stanislao Grazioso, Giuseppe Di Gironimo and Antonio Lanzotti Estimation of performance and infringements during race-walking field tests using a wearable inertial sensor system	Christina Rufener, Berezowski John, Filipe Maximiano Sousa, Yandy Abreu, Lucy Asher and Michael Toscano Finding hens in a haystack: Consistency of movement patterns within and across individual laying hens maintained in large groups	Nikolai Bode. Using speaker diarization and local sequence alignment to study structural similarities in dyadic conversations	Pauline Brugaileres, Claire Chabanet, Sylvie Issanchou and Camille Schwartz. Combining two observational methods to describe mealtime episodes in mother-infants dyads during complementary feeding	
11:00-11:30	Coffee				
11:30-11:50	<a href="#">Monitoring and encouraging participation in sport and physical activity</a>	Ahmed Ali and Janice Siegford An approach for tracking directional activity of individual laying hens within a multi-tier cage-free housing system (aviary) using accelerometers		Pedro Ferreira Alves and Tâmara Rodrigues. Building empathy: Preparation of professionals and peers for an optimization of mediation	
11:50-12:10	Simon Choppin, John Kelley, Jeff Breckon, Mike Graney and Steve Haake Examining continued participation in Parkrun	Guzhva Oleksiy Perspectives of using deep learning and computer vision algorithms for continuous behavioural monitoring of dairy cows.		Ana Isabel Pereira and Helena Rodrigues. Songs' melody and lyrics recognition among children: Developing an app to mediate the memory retrieval processes	
12:10-12:30	Emma Anderson, Joseph Stone, Mohsen Shafizadehkenari, Marcus Dunn and Ben Heller Representative Movement Behaviour Measurement in Sport: Gold Standard Measurement versus Gold Standard Data	Tomas Norton Application of sensor technologies in animal breeding		Fan Xu, Linli Chen, and Peter Pohl Analysis of monkey group behavior reveals "cheating".	
12:30-12:50	Guido Ascenso. Non-invasive motion capture of swimmers	Discussion		Mikael Wahlström, Deborah Forster and Erwin Boer. Self-confrontation with traces of one's activity: making meaning of technology-rich in-situ natural behavior	
12:30-13:30	Cold buffet lunch, poster session and lab tours				
13:30-14:00	Closing session				
14:00 - 17:00	<a href="#">Tour and workshop National Cycle Centre</a>				