

ISV2013 Conference Programme

Monday 22nd July

17:00	REGISTRATION OPENS – 4th FLOOR JOHN ANDERSON BUILDING
18:30	PIPER OUTSIDE THE GLASGOW CITY CHAMBERS, GEORGE SQUARE
19:00	CIVIC RECEPTION AT THE GLASGOW CITY CHAMBERS

Tuesday 23rd July

08:40	REGISTRATION OPENS – 3rd FLOOR JOHN ANDERSON BUILDING	
	COFFEE	
09:30	<i>Welcome</i>	Professor Kenny Miller Vice Principal, University of Strathclyde
09:40	<i>Plenary</i>	Daniel Robert - <i>So many ears, so little time</i> School of Biological Sciences, University of Bristol, United Kingdom
10:40	COFFEE	
	<i>Talk Session 1 - Chair: Joseph Jackson</i>	
11:00	<i>Talk</i>	Manuela Nowotny Frequency analysis in the bushcricket ear J. W. Goethe-Universität, Germany
11:20	<i>Talk</i>	David Mackie Model Locust Tympanal System: understanding the link between biomechanics and neurophysiology University of Strathclyde, UK
11:40	<i>Talk</i>	John Stout Males Influence Both the Phonotactic Responsiveness of Female <i>Gryllus bimaculatus</i> and Song Encoding by their ON1 and AN2 Neurons Andrews University, USA
12:00	<i>Talk</i>	Andrew Mikhail What does a butterfly hear? Tuning and amplitude discrimination in the Blue Morpho butterfly Carleton University, Canada
12:20	<i>Talk</i>	Klaus Reinhold Phenotypic plasticity in response to food quality and anthropogenic noise in the grasshopper <i>Chorthippus biguttulus</i> Bielefeld University, Germany
12:40	<i>Talk</i>	Fernando Montealegre-Z Dynamics of pressure difference receiver tympanal membranes in a bushcricket ear (Tettigoniidae) University of Lincoln, UK
13:00	LUNCH	
	<i>Talk Session 2 - Chair: Damian Elias</i>	
14:00	<i>Talk</i>	Taina Conrad New insights into vibrations as species-specific signals in mason bees University of Ulm, Germany
14:20	<i>Talk</i>	Jeremy Gibson Treehoppers follow an experimentally imposed amplitude gradient University of Missouri, USA
14:40	<i>Talk</i>	Valerio Mazzoni Mating Disruption of Insect Pests with Vibrational Signals: from Theory to Practice Fondazione Edmund Mach, Italy
15:00	<i>Talk</i>	Roland Mühlethaler Acoustic communication in Pear psyllids (<i>Cacopsylla pyri</i> L.) and occurrence of stridulatory organs in the genus <i>Cacopsylla</i> (Hemiptera: Psylloidea) Museum für Naturkunde, Germany
15:20	<i>Talk</i>	Kirill Orci Drumming call variation and female response specificity in a group of closely related species of stoneflies (Plecoptera) MTA-ELTE-MTM Ecology Research Group, Hungary
15:40	<i>Talk</i>	Conrado Rosi-Denadai <i>Amphion floridensis</i> and the Backthroat Boys: How are these caterpillars producing sound? Carleton University, Canada
16:00	<i>Talk</i>	Sen Sivalinghem Vibratory communication in a black widow spider (Araneae: Theridiidae): From signal production to reception University of Toronto Scarborough, Canada
16:20	COFFEE	
16:40	<i>Plenary</i>	Friedrich Barth - <i>Airflows, Sensors, and a Spider's Jump to Catch a Fly</i> Department of Neurobiology, University of Vienna, Austria
17:40	<i>End of talks</i>	
18:00	POSTER AND WINE EVENT – 3rd FLOOR JOHN ANDERSON BUILDING	

Wednesday 24th July

09:00	COFFEE		
	<i>Talk Session 3 - Chair: Manuela Nowotny</i>		
09:20	Talk	Gerit Pfuhl Mapping the auditory pathway in heliothine moth	Norwegian University of Science and Technology, Norway
09:40	Talk	Bernd Ronacher Grasshoppers use local but not global cues for acoustic pattern recognition	Humboldt Universität zu Berlin, Germany
10:00	Talk	Shira Gordon Hearing of Aging Locusts	University of Strathclyde, UK
10:20	Talk	Matthias Hennig How female crickets evaluate conspecific songs: a comparative view	Humboldt Universität zu Berlin, Germany
10:40	Talk	Stefan Hirtenlehner A comparison of cricket phonotaxis under outdoor and laboratory conditions	Karl-Franzens- Universität Graz, Austria
11:00	Talk	Amanda Lindeman What's the password? Female red turpentine beetles (<i>Dendroctonus valens</i> LeConte) grant access to their galleries based on an assessment of male signals	Carleton University, Canada
11:20	Talk	Kostas Kostarakos Calling song recognition in an insect brain	Karl-Franzens- Universität Graz, Austria
11:40	COFFEE		
12:00	Plenary	Andrew Mason - Complex signals: what do spiders have to say? Integrative Behaviour and Neuroscience, University of Toronto Scarborough, Canada	
13:00	<i>End of talks</i>		
	SIGHTSEEING		

Thursday 25th July

09:00	COFFEE		
09:20	Plenary	Jayne Yack <i>Rap Battles and Screaming in Caterpillars: Let the youth have their say!</i> Department of Biology, Carleton University, Canada	
10:20	COFFEE		
	<i>Talk Session 4 - Chair: Fernando Montealegre-Z</i>		
10:40	Talk	Joseph Jackson The effects of two similar acoustic signals on an active ear	University of Strathclyde, UK
11:00	Talk	Robert Malkin The Locust Ear: A General Mechanism for Tonotopy and Energy Localisation	University of Bristol, UK
11:20	Talk	Ryo Nakano Male Courtship Song Disrupts Orientation Flight in the Yellow Peach Moth, <i>Conogethes punctiferalis</i>	National Institute of Fruit Tree Science, Japan
11:40	Talk	Doreen Möckel Mechanical basis of self-generated sound in the locust ear	J. W. Goethe- Universität, Germany
12:00	Talk	Glenn Morris <i>Tympanotriba vittata</i> , another katydid with strange stridulatory acoustic adaptations	University of Toronto at Mississauga, Canada
12:20	Talk	Manfred Hartbauer Mechanisms driving the evolution towards chorus synchrony - a case study on <i>Mecopoda elongata</i> (Orthoptera: Tettigoniidae)	Karl-Franzens- Universität Graz, Austria
12:40	LUNCH		
	<i>Talk Session 5 - Chair: Manfred Hartbauer</i>		
13:40	Talk	Benedict Chivers A comparative analysis of the stridulatory file across katydid species (Orthoptera: Tettigoniidae)	University of Lincoln, UK
14:00	Talk	Natasha Mhatre Two to tango: how tree cricket song changes with temperature and auditory tuning keeps up	University of Bristol, UK

14:20	Talk	Reinhard Lakes-Harlan Sound production of <i>Mecopoda elongata</i> : circadian rhythm and maturation	Justus-Liebig University Giessen, Germany
14:40	Talk	Thorin Jonsson Complex acoustic networks in the cricket wings	University of Bristol, UK
15:00	Talk	Andrew French Calcium ions modulate transduction, and are strongly buffered in spider mechanosensory neurons	Dalhousie University, Canada
15:20	Talk	Alexander Sweger Airborne and vibratory signal production in the purring wolf spider, <i>Gladicosa gulosa</i>	University of Cincinnati, USA
15:40	COFFEE		
	Talk Session 6 - Chair: Roland Mühlethaler		
16:00	Talk	Matthew Wale Crabs unquiet in noisy seas	University of Bristol, UK
16:20	Talk	Beth Mortimer Sonic properties of silks	University of Oxford, UK
16:40	Talk	Paivi Torkkeli Several Octopamine Receptor Subtypes are Involved in Modulation of Spider Mechanosensory Neurons	Dalhousie University, Canada
17:00	Talk	Damian Elias Anthropogenic effects on vibratory environments and orb-web spider foraging behavior	University of California, Berkeley, USA
17:20	Talk	Ales Škorjanc Sensory hair motion in oscillating air-flow is matched by neuronal filter properties of filiform sensilla	University of Ljubljana, Slovenia
17:40	End of talks		
18:30	BUS LEAVES FOR CONFERENCE DINNER ROTTENROW EAST/COLLINS STREET		
19:00	CONFERENCE DINNER – ORAN MOR, GREAT WESTERN ROAD, GLASGOW		
23:30	BUS LEAVES FOR UNIVERSITY		

Friday 26th July

09:20	COFFEE		
09:40	Plenary	Michael Greenfield - Dagmar and Otto von Helversen Lecture <i>Acoustic communication in the nocturnal Lepidoptera: revelations of a hidden world</i> Institut de Recherche sur la Biologie de l'Insecte, University of Tours, France	
10:40	COFFEE		
	Talk Session 7 - Chair: Natasha Mhatre		
11:00	Talk	Monika Eberhard Intrinsic variability and temperature effects in locust auditory neurons	Humboldt-Universität zu Berlin, Germany
11:20	Talk	Anka Kuhelj Insight into intraspecific interactions in the leafhopper <i>Aphrodes makarovi</i> (Hemiptera: Cicadellidae)	National Institute of Biology, Slovenia
11:40	Talk	Erica Morley The proxemics and acoustic geometry of courtship in <i>Drosophila melanogaster</i>	University of Toronto Scarborough, Canada
12:00	Talk	Krisztina Petróczki Are calling song characteristics affected by anthropogenic noise in the tree cricket, <i>Oecanthus pellucens</i> ?	University of Debrecen, Hungary
12:20	Talk	Johannes Schul The evolutionary history of the diversity of Neoconocephalus acoustic communication	University of Missouri, USA
12:40	LUNCH		
13:30	General Meeting	Discussion of Future ISV Closing Remarks	
14:00	Conference Ends.		