



Conference program

October 11th, Hatter student building

Time	Session
08:30-09:15	Gathering and registration
09:15-09:30	Opening remarks and greeting by Shlomo Wagner, Dean of Natural Sciences, University of Haifa
09:30-10:15	Keynote speaker - Inbal Arnon Cultural evolution creates language-like structure: from humans to humpback whales and beyond
10:15-10:30	Coffee break
First oral session - Ecology, Behavior and Communication 1	
Passive acoustic monitoring reveals persistent habitat use by deep-diving cetaceans in Israeli offshore waters— <i>Yaly Mevorach</i>	
Female moths incorporate plant acoustic emissions into their oviposition decision-making process – <i>Guy Zer Eshel</i>	
10:30-12:00	Turning up the volume: Evidence for marine soundscape amplification in Mediterranean waters due to ocean acidification – <i>Jacob Silverman</i>
Bioacoustics monitoring as a circadian tool for sensory pollution – <i>Keren Levy</i>	
Listening to the ocean: Recent developments in passive acoustic monitoring – <i>Michael Michelashvili</i>	
What deep learning can and cannot tell us about animal vocal communication – <i>Yoav Ram</i>	



החברה להגנת הטבע
שומרים. מחנכים. אוהבים

המכון לאבולוציה
The Institute of Evolution
معهد علم النمو والتطور
אוניברסיטת חיפה





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Time	Session
12:00-12:15	Poster speed talks
	Generalization with acoustic indices: noise limitations for predicting biodiversity – <i>Samuel Suarez Ronay</i>
	First Comes the Feeding, Then the Singing: Insights into Nocturnal Behavior Using Multisensor Tags – <i>Marie Guggenberger</i>
	What does the reef hear? Continuous real-time monitoring of underwater noise in the Gulf of Eilat/Aqaba – <i>Roe Diamant</i>
	Using species-specific aural surveys and plot counts to study local urban habitat features correlation with bird species richness and abundance – <i>Zacharie Alisse Stern</i>
	Differential association of high- and low-frequency rat vocalizations with breathing and locomotion during social interactions – <i>Yizhaq Goussha</i>
	Dolphin whistle source separation: A bearings tracking approach using vector hydrophone – <i>Lixing Chen</i>
	Compression pulses in lipid membranes: Do cells communicate via sound? – <i>Matan Mussel</i>
	Acoustic survey for the detection of the Dead Sea mole cricket (<i>Gryllotalpa marismortui</i>) – <i>Asaf Ben David</i>
	First evidence consistent with context-dependent alarm calls in bats – <i>Omer Yinon</i>
	The echoic potential of social calls: a glimpse into the evolution of echolocation – <i>Mor Taub</i>
	Defining the Acoustic Properties of Cryptobenthic Fish in the Mediterranean Sea – <i>Lior Naaman</i>
12:15-13:15	Military training noise in nature reserves – Is this even a problem? A case study from the Carmel nature reserve – <i>Ori Shapira</i>
	Second oral session - KKL
	Passive acoustic monitoring of bird communities across fire-affected forest plots: A case study from Birya KKL-JNF forest, Northern Israel – <i>Efrat Toren</i>
	NatureSound – a long-term bioacoustics monitoring of birds framework using deep learning models: Patterns of vocal activity – <i>Michael Yair</i>
	Crane conversations: Decoding the acoustic repertoire of Eurasian Cranes through spectrotemporal patterns and functional insights – <i>Oz Drumlevich</i>
	Listening to the night sky: Nocturnal bird migration patterns in Southern Israel revealed by bioacoustics monitoring – <i>Aya Marck</i>



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Time	Session
13:15-14:30	Lunch break + poster session
	Third oral session - Ecology, Behavior and Communication 2
14:30-16:00	Eavesdropping on Gazelles: first acoustic description and analysis of mountain gazelle vocal communication in the wild – <i>Amir Arnon</i> Dynamic programming-based localization of Sperm whale echolocation clicks using a two-element array – <i>Guy Gubnitsky</i> Interactions between acoustic parameters as a mechanism for species differentiation in the <i>Hyla savignyi</i>- <i>Hyla felixarabica</i> complex – <i>Anat Katzir Alliel</i> Passive acoustic monitoring for smart aquaculture: From fish feeding to Crustacean behavior – <i>Shay Tal</i> Multi-species vocalization analysis using a self-supervised learning reveals information about individual identity and context – <i>Yuval Mendelson</i> Voices from the sea; Whistle-based acoustic classification of two dolphin species in southern Israel for night-time ecological monitoring – <i>Yutam ZurieI</i>
16:00-16:15	Coffee break
	Keynote speaker - Arjan Boonman
16:15-16:55	The acoustic animal world, signaling, analysis and problems in implementing technology-based survey techniques
16:55-17:00	Closing remarks and announcement of poster competition winner
17:00-18:30	happy hour and light dinner
18:30-20:00	Night excursion – Bat recordings with Arjan Boonman *limited space available, registration required on the first day of the conference



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Conference program

October 12th, Hatter student building

Time	Session
07:00-09:00	Morning excursion – Birds recordings <i>with Patrick Franke</i> *limited space available, registration required on the first day of the conference
09:00-09:30	Coffee break
09:30-10:00	Keynote speaker – Yael Lehnardt How much noise is too much? Measuring and mapping the effects of noise pollution on wildlife behavior
10:00-11:00	Fourth oral session - Noise Evidence for the influence of shipping underwater radiated noise on Sperm whale coda structure – <i>Roe Diamant</i> When blasts meet boundaries: Applying conservation-based noise thresholds in a nature reserve – <i>Noam Lider</i> ShipEcho - An interactive tool for mapping underwater radiated noise from vessels – <i>Mark Shipton</i> Navigating the soundscape: Anthropogenic noise impacts on cetaceans and policy recommendations for Israel's maritime environment – <i>Mor Harnik Blum</i>
11:00-11:15	Coffee break
11:15-12:00	BirdNet Introduction <i>with Aya Marck and Yizhar Lavner</i>
12:00-13:00	Lunch break
13:00-15:00	Round tables with coffee
15:00-15:30	Round tables presentations and discussion
15:30-16:00	Closing remarks

