Communication in Ecological Systems

Ninth Sede Boqer Symposium in Memory of Merav Ziv
29 May, 2008
Evans Auditorium, Blaustein Institutes for Desert Research
Ben Gurion University, Sede Boqer Campus

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09:15 **Reception & refreshments**
09:45 **Ecology Student Award in memory of Merav Ziv**

Scientific Program

10:00-10:40 **Plenary: Michael Greenfield (Univ. of Tours, France) - Mechanisms and evolution of communal sexual displays in insects and anurans**

10:40-11:00 **Refreshments**

11:00-11:20 **Uri Grodzinski (Tel Aviv Univ.) -** Parental decisions and offspring learning in parent-offspring communication

11:20-11:40 **Roi Dor (Tel Aviv Univ.) -** The genetic basis of parent-offspring communication: heritability of nestling begging and parental response in the house sparrow (*Passer domesticus*)

11:40-12:00 **Break**

12:00-12:20 **Yoni Vortman (Tel Aviv Univ.) -** The sexual signals of the East-Mediterranean barn swallow (*Hirundo rustica transitiva*): a different swallow tale

12:20-12:40 **Ohad Afik** (**Hebrew Univ.) -** Honey bee (*Apis mellifera*) round dance is influenced by trace components of floral nectar

12:40-14:00 **Posters & Lunch**

14:00-14:40 **Plenary: Sergiu Hart (Hebrew Univ.) – On the interface between game theory and evolutionary biology.**

14:40-15:00 **Amotz Zahavi (Tel Aviv Univ.) -** Fisher's model of mate selection, signal selection and sexual selection.

15:00-15:20 **Break**

15:20-15:40 **Hofit Kol-Mimon (Volcani Center) –** Occurrence of several male pherotypes in mealybugs

15:40-16:00 **Yossi Terkel (Tel Aviv Univ.)** – Underground communication in the blind mole-rat

16:00-16:20 **Refreshments**

16:20-16:40 **Ariel Novoplansky (BGU)** - Ecological implications of communication between plant roots

16:40-17:00 **Hagai Guterman (BGU) -** Underground communication enables plants to predict future competition

17:00 **Closing remarks**