

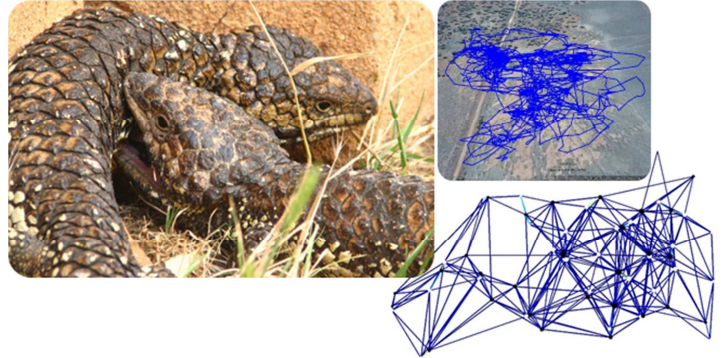


Ben-Gurion University of the Negev
Jacob Blaustein Institutes for Desert Research
The Swiss Institute for Dryland Environmental and Energy Research
Mitrani Department of Desert Ecology

Special Seminar

Orr Spiegel

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Science & Policy,
University of California, Davis*



Thursday, January 12, 2017, 12:00

Seminar Room, Old Administration Building

**What's your move? Individual space-use as a link between
personality and social networks in animal populations**

Understanding space-use remains a major challenge for animal ecology, with implications for species interactions, disease spread, optimal foraging and conservation. While studies in **movement ecology** advance our understanding in these issues, they often focus on species and ignore the role of individuals. In contrast, many studies in **animal behavior** emphasize the importance of behavioral consistency of individuals (aka as animal-personality), but fail to account for the spatial aspects at the population level, such as the social networks structure. I suggest to link these two (largely disconnected) disciplines and that by studying how individuals differ in their space-use we can overcome many of their separate shortcomings. I will present some examples from my current work with the Australian sleepy lizards (*Tiliqua rugosa*). Using computer simulations I will show how considering these differences can improve our understanding of animal space-use and social networks and propose this framework for future studies.