



# Emergence of Design in Nature

## Monday, 18-3-2013

10:15-10:45 Opening session

10:45-11:45 Prof. **Scott Turner** - Is there a "problem of biological design"?

11:45-12:45 Prof. **Benny Shilo** - Visualizing the Concepts of Development

14:00-15:00 Prof. **Addy Pross** - The evolutionary origin of biological function and complexity

15:00-16:00 Prof. **Yael Lubin** - Spider webs revisited

16:30-17:30 Prof. **Itzhak Benenson** - Are we able to model (that is, to forecast) human-driven systems?

17:30-18:30 Prof. **Scott Turner** - Dynamic form and function and the nature of adaptation in the extended organism

19:00-20:00 Dr. **Stephen Wolfram**, video conference

## Tuesday, 19-3-2013

9:00-11:00 Prof. **Scott Turner**, Workshop - Homeostasis as biology's second law

11:15-12:15 Dr. **Ehud Lamm** - Identifying co-evolution using co-developmental evidence

13:30-17:30 Guided field excursion - Prof. **Amos Bouskila**

19:00-20:00 Prof. **Scott Turner**, Evening lecture - How evolutionary biology got stuck in a mechanistic muddle...Is modern Darwinism really Darwinism?

## Wednesday, 20-3-2013

9:00-11:00 **Student talks session** - lectures by graduate students

11:15-12:15 Prof. **Ehud Meron** - Pattern formation: a missing link in understanding the complex relationships among ecosystem function, biodiversity and the environment

12:15-13:15 Dr. **Avigdor Eldar** - A bacterial tower of Babel - how cheating and lying diversify bacterial languages

14:15-16:00 Prof. **Scott Turner**, Workshop - Design in biology and human evolution  
How to think about it like biologists

16:00-16:30 closing session

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