

EmboEvo Schedule

Day 1 - Tuesday, May 15

10:00 am Arrival at ECLT

10:10 am Introductory remarks: Mark Bedau and Natalio Krasnogor

10:30 am David Farusseng, Combinatorial catalysis: an evolution or a revolution?

11:15 am Coffee Break

11:45 am Rebecca Schulman, The Self-Replication and Evolution of DNA crystals

12:30 am Julian Miller, Evolution "in materio": evolving computation in materials

1:15 pm Lunch

3:00 pm Natalio Krasnogor, A genetic algorithm approach to probing the evolution of self-organized nanostructured systems

3:45 pm Thomas Baeck, Evolutionary approaches to many-parameter physics

4:30 pm Coffee Break

5:00 pm Uwe Tangen, Evolution of computer hardware

5:45 pm Day 1 closing remarks

8:00 pm Workshop dinner

Day 2 - Wednesday, May 16

9:30 am Mark Bedau, Statistical models for evolutionary design of complex chemistry

10:15 am Coffee Break

10:45 am Larry Bull, Towards coevolutionary control for chemical computing

11:30 am James Cawse, Genetic Algorithms as Screening Designs

12:15 pm Lunch

2:00 pm Alexandra Penn, Embodied evolution of ecosystems

2:45 pm Ron Weiss, Artificial signaling pathways for programmed pattern formation and tissue engineering

3:30 pm Coffee Break

4:00 pm Discussion

5:30 pm Workshop closing