

Tentative schedule for the summer school (all times in CEST)

The first four days of the summer school will spotlight a different complexity science theme. This theme will be covered in an two hour introduction lecture, a one hour specialist research lecture, and a smaller numerical project related to the day's themes.

Day 1 (Monday 15 August)

Theme: Tipping points and collective behaviour

09:00-09:30 Welcome, Introductions to summer school and programme

09:30-11:45 Introduction Lecture by prof. dr. ir. Henk Dijkstra

11:45-12:15 Introduction of Project #1

12:15-13:30 ~ Lunch Break ~

13:30-14:30 Specialist Lecture on Simulating Human Navigation and Crowds by dr. Roland Geraerts

14:30-17:00 Work on Project #1

Day 2 (Tuesday 16 August)

Theme: Feedback processes and emergence

09:00-09:15 Welcome

09:15-11:30 Introduction Lecture by prof. dr. ir. Max Rietkerk

11:30-12:00 Introduction of Project #2

12:00-13:30 ~ Lunch Break ~

13:30-14:30 Specialist Lecture on Development Biology by prof. dr. Kirsten ten Tusscher

14:30-17:00 Work on Project #2

Day 3 (Wednesday 17 August)

Theme: Theory of Networks

09:00-09:15 Welcome

09:15-11:30 Introduction Lecture by dr. Deb Panja

11:30-12:00 Introduction of Project #3

12:00-13:30 ~ Lunch Break ~

13:30-14:30 Specialist Lecture on Complex Systems Thinking in Sociology by dr. Rense Corten

14:30-17:00 Work on Project #3

Day 4 (Thursday 18 August)

Theme: Adaptive and evolutionary systems

09:00-09:15 Welcome

09:15-11:30 Introduction Lecture by prof dr. Rob de Boer

11:30-12:00 Introduction of Project #4

12:00-13:30 ~ Lunch Break ~

13:30-14:30 Specialist Lecture on Ocean Circulation and Marine Connectivity by prof. dr. Erik van Sebille

14:30-17:00 Work on Project #4

Day 5 (Friday 19 August)

Student presentations: participants will present their results on the project work from previous days.

Presentations should be finished by lunch.