



AGENDA

International Science Summer Camp 2018

„The best way to predict the future is to create it.“

Peter Diamandis

ISSC'18

International Science Summer Camp

CZECH/REPUBLIC

[Online registration](#)

DAY 1 | Sunday – August 5

Arrival day

DAY 2 | Monday – August 6

Welcome & Opening of the Camp
Introduction and timeline of the camp's group projects
TED Talk: Outline and presentation
Artificial Intelligence: Introduction, major topics, context, history and applications
Social or cultural activities

DAY 3 | Tuesday – August 7 - Artificial life

Christopher Langton characterized artificial life as “locating life-as-we-know-it within the larger picture of life-as-it-could-be,” a concept that brought together people interested in computer models of adaptive and self-organizing systems, not just in biology but also in economics, social science, and physical chemistry. Artificial life raises ethical issues and biosecurity issues.

Biorobotics
Autonomous systems and legal aspects
Genetic Manipulation: Pros & Cons
Social or cultural activities

DAY 4 | Wednesday – August 8 - Information Science

Computer science is not as old as physics; it lags by a couple of hundred years. However, this does not mean that there is significantly less on the computer scientist's plate than on the physicist's: younger it may be, but it has had a far more intense upbringing! (Richard Feynman)

Visit at **The Czech Institute of Informatics, Robotics and Cybernetics**, and presentation of **Testbed**
"How do count emotions in language?"
Multi-agent system (MAS) / Planning for robots
Social or cultural activities

DAY 5 | Thursday – August 9 - Cyberpunk

Cyberpunk is a belief that a few outsiders, armed with their own individuality and technological capability, can fend off the tendencies of traditional institutions to use technology to control society. Cyberpunk is a subgenre of science fiction in a futuristic setting that tends to focus on "a combination of low life and high tech" featuring advanced technological and scientific achievements, such as artificial intelligence and cybernetics, juxtaposed with a degree of breakdown or radical change in the social order.

Cyberspace and Body modification
Cyberspace as a "Fifth Domain"
Parallel Polis
Movie night

DAY 6 | Friday – August 10 - TEDx Day

Group work outcomes presented in the TED Talk format
Discussion an wrap-up of the Camp
Farewell Dinner Party

DAY 7 | Saturday – August 11

Departure day

Please note that the programme may change.