

3 april 2019

Liseberg

Science Roulette

17.00-18.30

The gondolas of the Liseberg wheel are filled with researchers and varied subjects ready to meet visitors. Several English-speaking researchers.

Nordstan

10.00-10.40

The Mysteries of Mussels & How They Grow

A book reading of a childrens science book

11.00-12.00

BBC CrowdScience

Why do humans appreciate beauty? BBC CrowdScience explores the question with a lively panel.

Johan och Nyström, Nordstan

14.00-18.00

I am the Anthropocene - an art installation

Explore the Earth's changed landscape.

14.00-18.00

Virtual Astropark

VR experience visualising astrophysics theories.

Pedagogen

17.00-18.00

How to reach climate targets for buildings?

How can we reach climate targets and make our buildings carbon neutral. Is this even possible?

17.00-17.45

Outsourcing computations to a cloud that you don't trust

Outsourcing computations to a cloud that you don't trust.

18.00-18.45

Two kinds of feminism in 18th century Britain

Mary Wollstonecraft and the other Mary: A comparison of 18th-century feminisms.

18.15-19.00

Olfactive dimension for spatial design

Olfactive dimension for spatial designing.

20.15-20.45

Understanding the world through mathematics

Do you use Google and Netflix? The technologies in our daily lives are all based on mathematics.

4 april 2019

Botaniska trädgården

09.00-12.00

Climate: role of population, economy, technology

Climate problems and solutions: population, economy, technology.

17.30-19.00

Why bumblebees and butterfly matters

Walk and talk with professor Dave Goulson, author of Bee Quest (Den stora humleresan), and an expert on the lives of pollinators.

Chalmers

15.15-16.15

Colloquium on locality and renormalization

Sylvie Paycha talks about locality and renormalization in QFT aiming at a mathematical audience.

16.30-17.30

Opening of the exhibition Women in Mathematics

Opening of the exhibition Women in Mathematics, collecting stories of active female mathematicians.

17.30-18.30

Panel discussion on life as a mathematician

Panel discussion on what it is to be a mathematician and if it differs for men and women.

Pedagogen

17.00-17.45

Artificial Intelligence in Healthcare

Empowering patients and doctors with AI solutions for better health.

17.00-18.10

Why spend our taxes on space travel?

50 year's and trillions of dollars later - is space research worth it?

5 april 2019

Artisten

11.00-11.45

Digitalization, AI and Science Fiction

What can science fiction teach us about AI the tomorrow's society?

15.30-16.30

Chemicals, an ignored sustainable development goal?

Do we need a new SDG to better balance the benefits of chemicals and the pollution they cause?

Chalmers

18.00-20.45

Mathematical Evening: Mathematicians of the Future

5 PhD students on the brink of finishing their studies talk about their research.

18.35-19.00

A historical perspective of Brownian motion

Diffusion and Brownian motion, the history from Perrin and Einstein's work to nowadays.

19.05-19.30

The missing key? Mathematical modeling!

Mathematical modeling combined with measurement data breeds insight on a biological phenomenon.

19.50-20.15

Applications of Elliptic Curves in Cryptography

Using elliptic curves to create much shorter keys for the same level of security in cryptosystems.

20.20-20.45

How to simulate the atmosphere?

I show a simulation of the atmospheric dynamics, modeled according to the vorticity theory.

Nordstan

11.00-11.30

The Fusion of Art and Science by Marketa Bankova (author talk and reading)

18.45-19.00

Monitoring of air quality based on AI and sensors

Presentation about air quality monitoring and forecast based on AI and sensors

19.00-19.40

Female Choir from Leszno / Poland /

Female singing ensembles established by the National Association with Music to People.

Pedagogen

18.00-19.00

Music and psychedelic drugs for depression?

The role of music in treatment of psychiatric disorders with psychedelic substances.

19.20-20.00

What do psychedelic substances do to the brain?

Using brain imaging studies, Dr. Erritzoe explains how psychedelics may aid depression.

12.00-13.15

The Insect Apocalypse – bees, insects and humans

Dave Goulson, author of Bee Quest talks about bees, insects and the relationship between them and humans.

6 april

Artisten

12.15-13.00

How would the world be without humans?

I will discuss mammalian extinctions and how they matter for how the natural world is functioning.

Dome of Visions, Lindholmen

11.25-11.40

Can computers do maths?

A journey towards the limits of computing and into the nature of mathematics.

12.00-12.25

Ethics in design of intelligent artifacts

A talk about the values we build into things (phones, cars, refrigerators) that are increasingly intelligent and autonomous.

12.25-12.50

Can computers reason about legal documents?

An overview of the emerging field of Legaltech - where machines assist lawyers in various legal task.

12.50-13.05

Controlling your co-owned data on social networks

A collaborative access control framework that takes into account the relation of multiple users.

13.40-13.55

Program Veritas: Correct Programs Tell No Lies!

An introduction to "Why" and "How" we should demand correct programs and nothing less.

13.55-14.20

\$1M damage through Blockchain programs—What to do?

We discuss the damage caused by errors in smart contracts, and research on preventing such errors.

Nordstan

10.00-18.00

HABIT instrument. Following the water on Mars

A replica of the instrument, a "making of" video and set of digital educative guides.

12.00-12.40

Openhack - coding for humanity. What is a hackathon?

The hackathon phenomena is catching on all over the world. But what is a hackathon? How can we use it?

7 april 2019

Pedagogen

13.00-14.15

God, Technology and Artificial Intelligence

How do we respond well to the promising technology of Human Enhancement, Robotics and AI?

16.00-17.00

Impacts of drone technologies

The presentation explores how civilian drone use embodies an oppositional form of visuality.

17.15-18.00

A win-win approach to building renovation

The need for a systematic approach in long-term maintenance and renovation budgeting.

Stadsbiblioteket

15.00-16.15

The new human

Man is constantly evolving both technically and evolutionarily. A panel discussion about the future of human.

Världskulturmuseet

15.30-16.30

Fairness in artificial intelligence

Fairness in artificial intelligence. Issues and potential solutions.