

# **Cosmic Dust: origin, applications & implications**



**Monday 11 June 2018 - Friday 15 June 2018**

**Geological Museum, University of Copenhagen**

## **Scientific Programme**

## **What is dust?**

Observational constraints on dust properties  
Laboratory studies of cosmic dust  
Molecules and dust

## **The creation and evolution of dust**

Dust production by massive stars and supernovae  
Dust production in lower-mass stars  
Non-stellar dust production and the dust cycle in the ISM

## **Dust as a tool**

Dust in the early universe  
Dust as a probe in galaxies  
Dust in AGN  
Dust as a tracer in the Milky Way and local galaxies

## **Dust in planet-forming disks**

Grain growth and planet formation and debris disks  
Dust in the Solar System