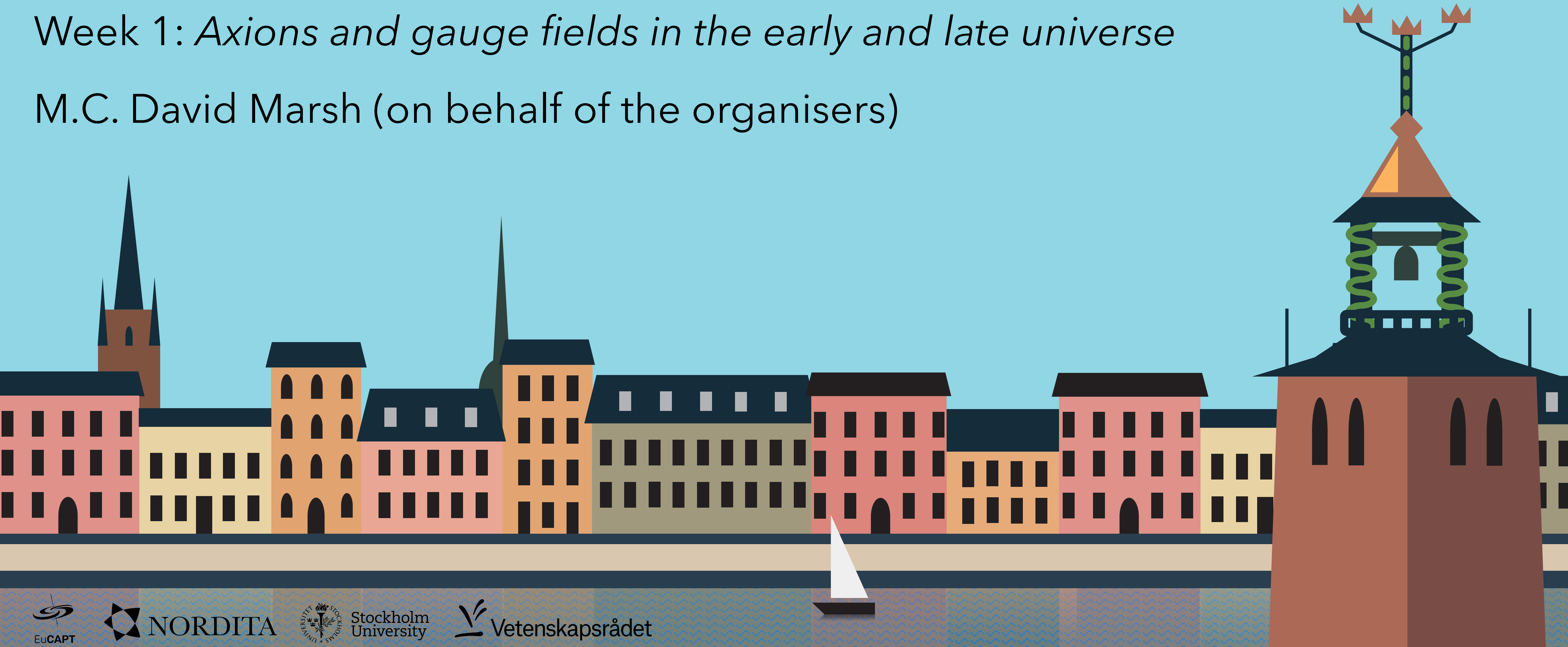


*Welcome to*

# **AXIONS IN STOCKHOLM**

*Week 1: Axions and gauge fields in the early and late universe*

M.C. David Marsh (on behalf of the organisers)



# Axions in Stockholm: 2016, 2018

## Axion Dark Matter

5–9 Dec 2016  
Nordita, Stockholm  
Europe/Stockholm timezone

## Axions in Stockholm - Reloaded

26–30 Nov 2018  
AlbaNova University Center / Nordita, Stockholm  
Europe/Stockholm timezone

Two previous axion workshops, organised by Frank Wilczek and Stockholm University (SU) faculty and postdocs, hosted by Nordita.

### ***Features:***

- Brought together excellent researchers interested in axion physics across sub-disciplines.
- Lots of room for questions and discussions.
- Inspired important results.

# Axions in Stockholm: 2025

Features of current program:

- Brings together excellent researchers interested in axion physics across five themes: fundamental theory, early universe and late universe cosmology, astroparticle physics, and laboratory experiments.
- Larger scale, but lots of room for questions and discussions.

23/6 – 27/6

## **Workshop**

*"Axions and Gauge Fields  
in the Early and Late Universe"*

30/6 – 4/7

## **Conference**

*"Axions in  
Stockholm, 2025"*

7/7 – 11/7

## **Workshop**

*"Direct and Indirect Axion Searches"*

- Supported by Nordita and the VR research environment grant "AxionDM" (PI: Hiranya Peiris).  
Adopted as an official EuCAPT workshop.

# Scientific Advisory Board

Stefano Bonnetti

Francesca Calore

Jan Conrad

Jon Gudmundson

***Oksana Iarygina***

***Junu Jeoung***

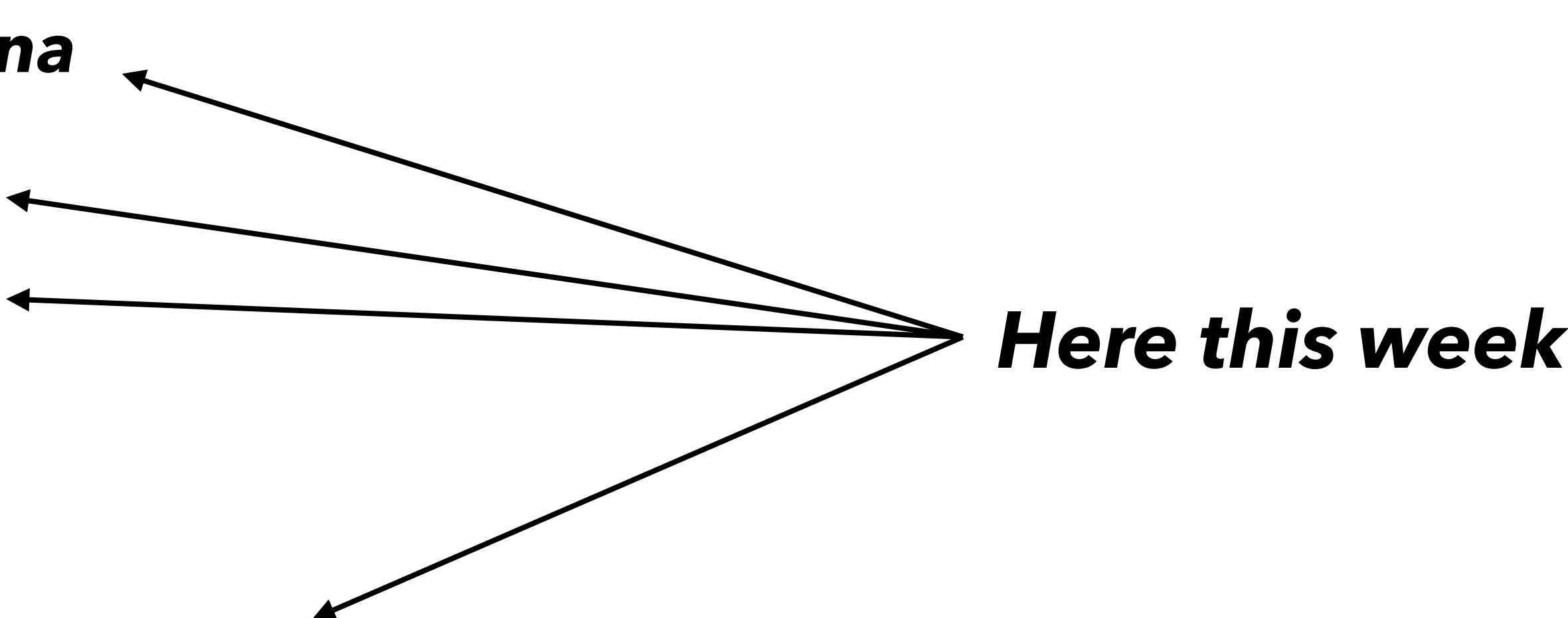
***David Marsh***

Alex Millar

Hiranya Peiris

***Evangelos Sfakianakis***

Frank Wilczek



***Here this week***

# W1: workshop program

## Two themes:

1. Axions and gauge fields in the early universe (inflation, reheating, etc.),
2. Axion cosmology in the late universe (dark matter, dark energy, etc.).

## Talks:

- Overview talks:  
Presentation ~45-50 minutes, plus Q&A. In total ~80 minutes.
- Research talks:  
Presentation ~40 minutes + 5 minutes Q&A.

## Work & discussion areas:

Floor 6, open desk area at the "ends" of the building and by the kitchenettes + group rooms "Tera" and "Peta" available for discussions/collaborations.



# Practical info

**Wifi:** Use Eduroam or personal login to KTH network provided at registration.

**Access codes:** Use code **8708** for entrance to the building and floor 6. Use code **2376** for floor 4.

**Lunches:** At the restaurant "Proviant" in "House 2". Use coupon.

**Reception:** Buffet dinner this afternoon at the restaurant "Proviant", from 16:30.

## Workshop dinner:

Archipelago dinner cruise, Wednesday 25 June.

Boarding: 18:30 at

Strandvägen, Pier 16 (in front of Hotel Diplomat)

Please let us know if you're *not* joining.





# Local Organising Committee, Nordita events team

If you have any questions, please reach out to [axionsinstockholm@fysik.su.se](mailto:axionsinstockholm@fysik.su.se) or:

Aleksandr Chatrchyan



Oksana Iarygina



Junu Jeoung



Gagandeep Kaur



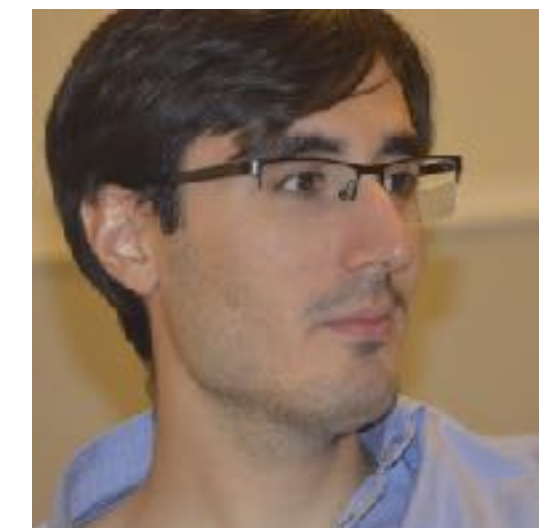
Jacob Lindahl



David Marsh



Charalampos Nikolis



Andrea Gallo Rosso

## **Nordita:**

Olga Lekka

Jimmie Evenholt



*Any questions?*

