

If you do not have  
a name tag,  
please yield the  
seats to registered  
participants who  
have name tags

$$20 * C + M + B + 14$$

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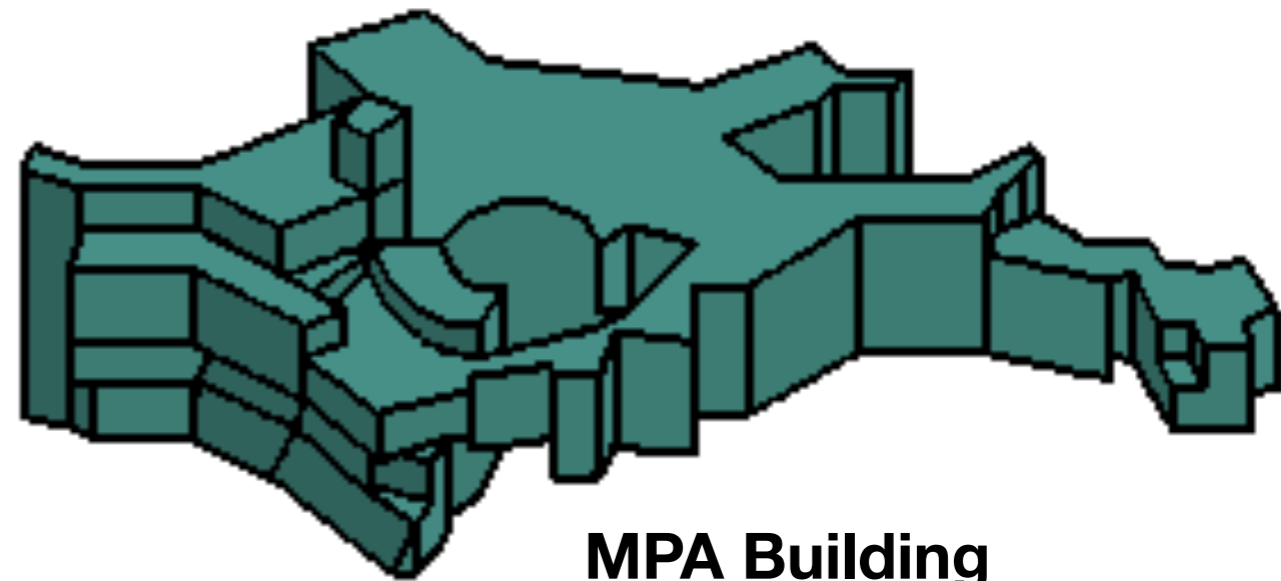
$$20 * C + M + B + 19$$

# C+M+B

- Two meanings
  1. Names of “Three Kings”: **C**aspar, **M**elchior, **B**althasar
  2. Latin: **C**hristus **M**ansionem **B**enedicat

# Welcome to MPA

- Max Planck Institute for Astrophysics (MPA)
  - Focused on theoretical and computational astrophysics
  - <-> Experimental and observational astrophysics focus of our neighbour institute, the MPI for Extraterrestrial Physics (MPE)
- 4 departments, 100 scientist



**MPA Building**



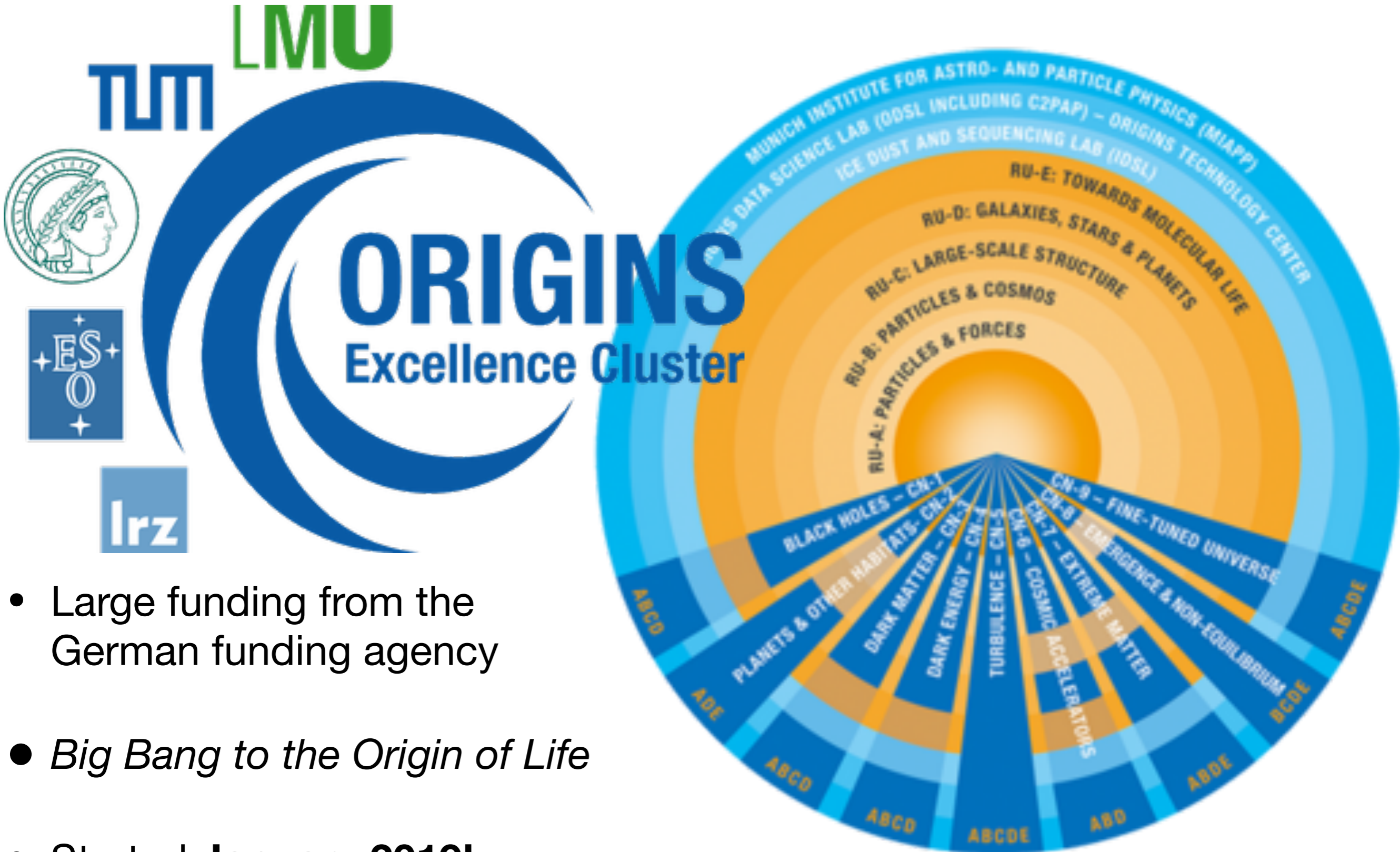
# 4 departments@MPA

- **Guinevere Kauffmann**
  - Galaxy formation and evolution
- **Eiichiro Komatsu**
  - Physical Cosmology
- **Volker Springel**
  - Computational Astrophysics
- **N.N.**
  - Stellar Astrophysics



This conference is supported also by

# Excellence Cluster ORIGINS



- Large funding from the German funding agency
- *Big Bang to the Origin of Life*
- Started **January 2019!**



1:25 model of the antenna at Bell Lab  
The 3rd floor of Deutsches Museum





# The real detector system used by Penzias & Wilson The 3rd floor of Deutsches Museum



**Donated by Dr. Penzias,  
who was born in Munich**





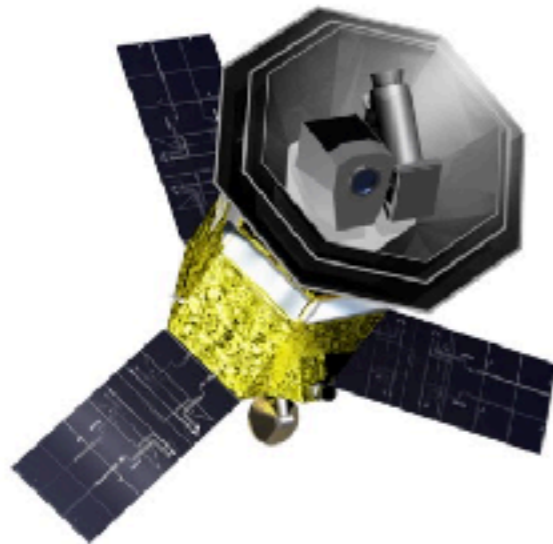
# Logistics

- Plenary sessions will happen in this room
- Posters and coffee breaks are in **Room 006**
- **Lunch at Canteen** (a few minutes from here); tables are reserved
- **Reception: today's evening**
- No organised banquet: **go to Christmas Market!**

# B-mode from Space

December 16-19, 2019 at Max-Planck-Institut für Astrophysik

[Home](#) [Registration & Payment](#) [Participants](#) [Poster Talks](#) [Schedule](#) [Suggested Hotels](#) [Use U-bahn From Airport to MPA](#) [From Airport to Hotels](#) [From Garching to MPA](#) [From Garching-Hochbrück to MPA](#) [From Munich to MPA](#) **[Social Events](#)**



Credit: LiteBIRD Collaboration

## Important Dates

July 15, 2019: [Registration Open](#)

September 15, 2019: [Deadline for Registration](#)

October 15, 2019: [Payment Due](#)

October 28, 2019: [Block Reservation of Hotels Start to](#)

## Home Page

### The Aim of This Workshop

This is the third of the “B-mode from Space” workshop series. The previous meetings were held at:

- In 2015: [Kavli IPMU, Univ. of Tokyo](#)
- In 2017: [UC Berkeley](#)

The purpose of the workshop is to discuss the science goals, status of CMB polarization projects, foregrounds and mission design, technologies and challenges for the space-borne observations of CMB polarization. The synergies with ground-based/balloon and other cosmological experiments/surveys will be discussed.

### Dates and Venue

- Dates: December 16-19, 2019
- Venue: MPA Large Seminar Room [E.0.11]
  - When you enter the main entrance of MPA, go to the left, go downstairs, and you find the room
- Conference fees: 50 EUR



# Best Poster Awards

- **There will be two best poster awards!**
- Eligible: Students and Postdocs
- Decision will be made and the results will be announced on Wednesday

# ESO Supernova



- New Visitor Center, since April 18, 2018
- Today's reception will take place here



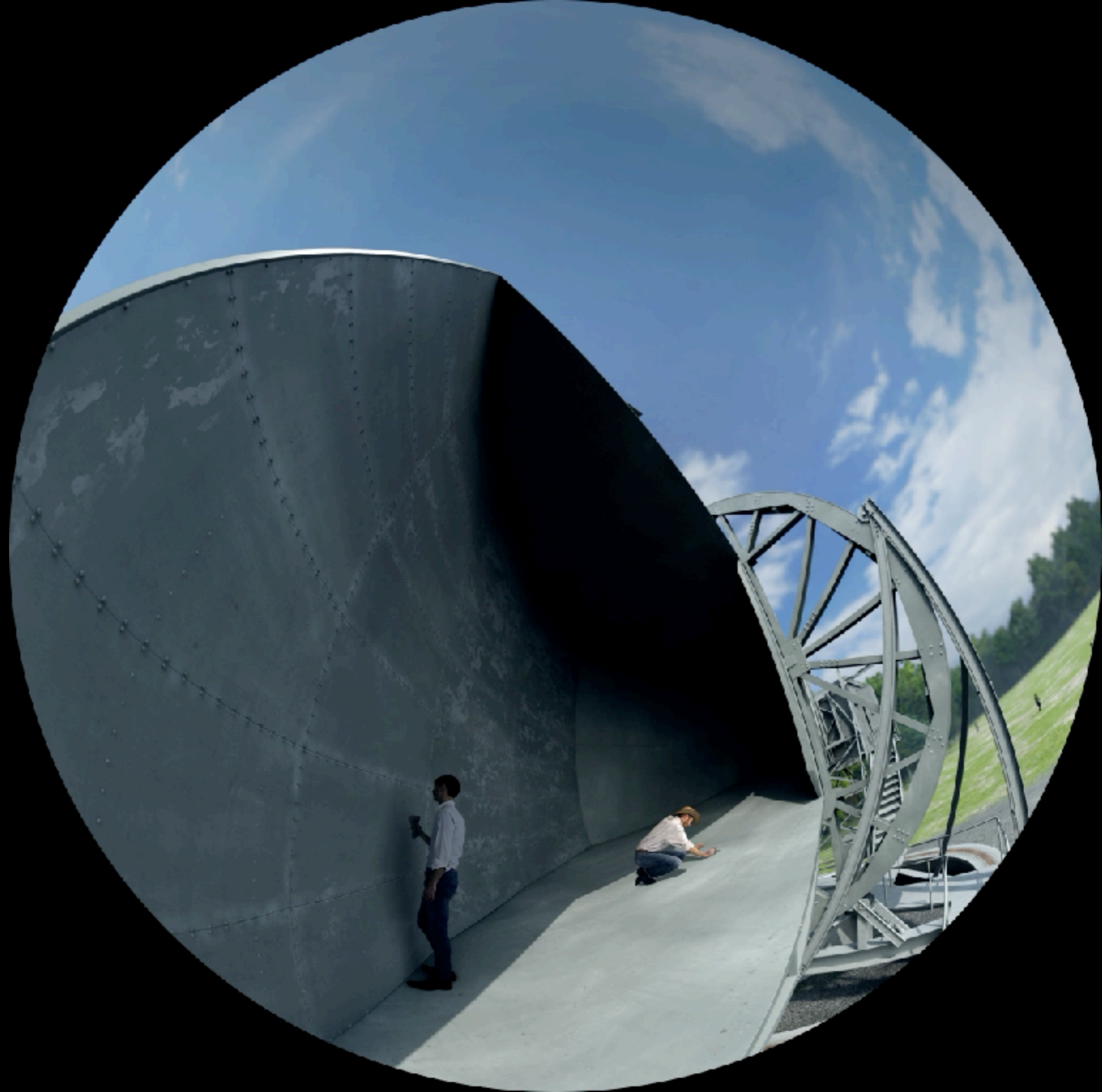


Full-dome movie for planetarium

Director: Hiromitsu Kohsaka



HORIZON :Beyond the Edge of the Visible Universe [Trailer]





Attending this conference in person

# International Scientific Organising Committee



**Renée Hložek / Erminia Calabrese**



**Jacques Delabrouille**



**Matt Dobbs**



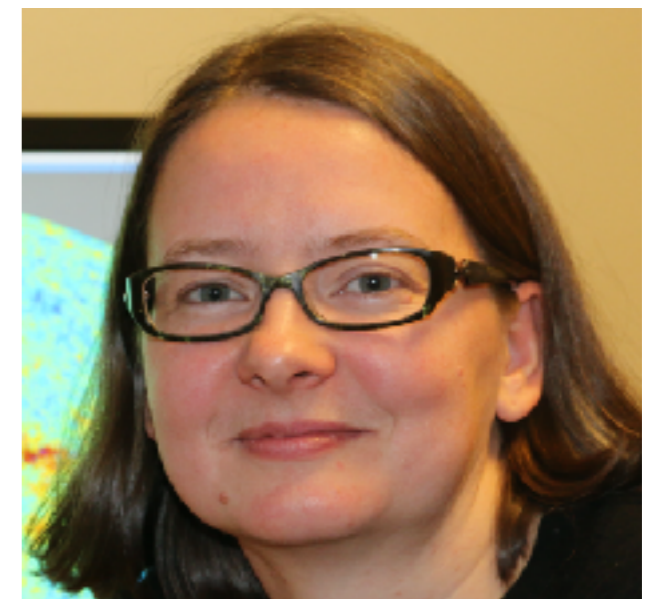
**Nobu Katayama**



**Adrian Lee**



**Licia Verde**



**Ingunn Wehus**

# Local Organising Committee



**Maria Depner**



**Sonja Gründl**



**Tony Mroczkowski (and Fiona)**



**Jochen Weller**



# Code of Conduct

<https://www.eso.org/sci/meetings/CodeofConductWorkshops.html>

- When in doubt, contact Renée and/or Eiichiro. Never wonder. Never think that you are overthinking. Contact.



**Renée Hložek**



**Eiichiro Komatsu**

# Code of Conduct

1. Behave professionally. Harassment and sexist, racist, or exclusionary comments or jokes are not appropriate. Harassment includes sustained disruption of talks or other events, inappropriate physical contact, sexual attention or innuendo, deliberate intimidation, stalking, and photography or recording of an individual without consent. It also includes offensive comments related to individual characteristics, for example: age, gender, sexual orientation, disability, physical appearance, race, nationality or religion.

- When in doubt, contact Renée and/or Eiichiro. Never wonder. Never think that you are overthinking. Contact.



**Renée Hložek**



**Eiichiro Komatsu**



# Code of Conduct

2. All communication should be appropriate for a professional audience including people of many different backgrounds. Sexual or sexist language and imagery is not appropriate.

3. Be respectful and do not insult or put down other attendees or facilitators of the event. Critique ideas, not people.

- When in doubt, contact Renée and/or Eiichiro. Never wonder. Never think that you are overthinking. Contact.



**Renée Hložek**



**Eiichiro Komatsu**

# Code of Conduct

4. Should a participant witness events of bullying, harassment or aggression, we recommend that they approach the affected person to show support and check how they are. The witness may also wish to suggest that the person report the inappropriate behaviour. However, it is up to the affected person alone whether or not they wish to report it.

- When in doubt, contact Renée and/or Eiichiro. Never wonder. Never think that you are over-thinking. Contact.



**Renée Hložek**



**Eiichiro Komatsu**



# Code of Conduct

5. If participants wish to share photos of a speaker on social media, we strongly recommend that they first get the speaker's permission. Participants may also share the contents of talks/slides via social media unless speakers have asked that specific details/slides not be shared.

- When in doubt, contact Renée and/or Eiichiro. Never wonder. Never think that you are overthinking. Contact.



**Renée Hložek**



**Eiichiro Komatsu**

# Summary

- Feel safe and relaxed, and enjoy the conference!
- We have everything prepared for you: Great talks, great posters, great colleagues, great conference support, great food and drinks, and great full-dome movie!
- The future of CMB (C+M+B?) is great - I hope you will be convinced of that by the end of this conference.
- The most important Japanese word:

# Otsukare!