

RAeS Hamburg in cooperation with the DGLR, HAW, VDI, & ZAL invites you to a lecture

Cosmology in Space

Dr. Katarina Markovic,
Jet Propulsion Laboratory, California Institute of Technology

Lecture followed by discussion
No registration required !
Online Zoom lecture

Date: Thursday, 4 February 2021, 18:00
Online: <http://purl.org/ProfScholz/zoom/2021-02-04>



An artist view of the Euclid Satellite (ESA/C Carreau, CC BY-SA, <http://bit.ly/3nuwAsD>)

Dr. Markovic will introduce the current best picture we have of the history and constituents of our universe. She will describe the so-called Lambda-Cold-Dark-Matter cosmological model, which is supported most by evidence. She will also give an overview of some of the early ground-based observations as well as the space missions by ESA and NASA, which provided the evidence that speaks for this model. Finally, she will describe how we are submitting this model to more and more stringent tests using space telescopes like Euclid and Nancy Grace Roman.

Dr. Katarina (Dida) Markovic is a research scientist at NASA's Jet Propulsion Laboratory in Pasadena, California. Her research in cosmology is to study apparent distortions in our maps of positions of distant galaxies, which contain information about the unknown components of the universe: dark energy and dark matter. She works on the preparations for the Euclid and the Nancy Grace Roman Space Telescopes, which are to be launched in the 2020s. Before JPL, she worked as a postdoctoral researcher at the Institute of Cosmology and Gravitation in the United Kingdom, after finishing her PhD in astrophysics at the LMU in Munich, Germany.

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