Technische Hochschule Nürnberg

FAKULTÄT ANGEWANDTE MATHEMATIK, PHYSIK UND ALLGEMEINWISSENSCHAFTEN

Chasing Clouds:

How Math Simulates a Changing Climate

Climate change is one of the defining challenges of our time. As the 1.5°C target of the Paris Agreement slips further out of reach, effective emergency measures are becoming increasingly urgent. Yet reliable predictions depend on overcoming a major weakness in current climate models: the representation of clouds and cloud–aerosol interactions.

Prof. Annalisa Quaini (University of Houston) will show why high-resolution cloud models remain too computationally demanding for long-term climate simulations, and why mathematical and computational innovation is essential for reliable climate predictions.

11. Juni um 17:30 Uhr

Raum KA.213

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