

# VEERAMANIKANDAN RAMADOSS

## *Curriculum Vitae*

### RESEARCH INTERESTS

- Mathematical modeling of cloud-precipitation processes and dynamics.
- Cloud physics.
- Model validation.
- Renewable energy.

### EDUCATION

- Ph.D., Goethe University (University of Frankfurt), Germany, Institute for Atmospheric and Environmental Sciences, **08/2019 - Till present**.
- Master of Engineering, Product Design and Commerce, Faculty of Mechanical Engineering, PSG College of Technology, Coimbatore, India, **08/2009 - 05/2011, CGPA: 8.4 / 10.0**.
- Bachelor of Engineering, Mechanical Engineering, Sri Krishna College of Engineering and Technology (Anna University), Coimbatore, India, **08/2004 - 05/2008, Aggregate: 78%**.

### SKILLS

**Programming:** High-Performance Computing, FORTRAN, Python, C and Shell Scripts.

**Modeling:** ICON

**Languages:** Tamil (native) and English.

### PUBLICATION

Ramadoss, V., K. Pfannkuch, A. Protat, Y. HUANG, S. Siems, and A. Possner. In review, 2022. An evaluation of kilometer-scale ICON simulations of mixed-phase stratocumuli over the Southern Ocean during CAPRICORN. Journal of Geophysical Research, doi: 10.1002/essoar.10512938.1.

### CONFERENCE (POSTER) PRESENTATIONS

- “An evaluation of kilometre-scale ICON simulations of mixed-phase stratocumulus over the Southern Ocean during CAPRICORN,” DACH, Leipzig University, Germany, March 2022.
- “An evaluation of kilometre-scale ICON simulations of mixed-phase stratocumulus over the Southern Ocean during CAPRICORN,” ICCARUS, Deutscher Wetterdienst, Germany, March 2022 (virtual).
- “An evaluation of kilometre-scale ICON simulations of mixed-phase stratocumulus over the Southern Ocean during CAPRICORN,” International Conference on Clouds and Precipitation, India, August 2021 (virtual).
- “An evaluation of kilometre-scale ICON simulations of mixed-phase stratocumulus over the Southern Ocean during CAPRICORN,” EGU, Austria, May 2021 (virtual).

- “An evaluation of kilometre-scale ICON simulations of mixed-phase stratocumulus over the Southern Ocean during CAPRICORN,” ICCARUS, Deutscher Wetterdienst, Germany, March 2021 (virtual).
- “Simulating mixed-phase cloud properties with ICON around the CAPRICORN field campaign at the kilometre-scale,” EGU, Austria, May 2020 (virtual).
- “Simulating mixed-phase cloud properties with ICON around the CAPRICORN field campaign at the kilometre-scale,” ICCARUS, Deutscher Wetterdienst, Germany, March 2020 (virtual).
- “Experimental and numerical analysis of low altitude ducted wind turbine,” National Conference on Product Design and Manufacturing, PSG College of Technology, India, April 2011.

### INVITED TALKS

- “Case studies – Heat Transfer Analysis,” Faculty Development Program, Sri Krishna College of Technology, Coimbatore, India, December 2017.
- “Introduction to OpenFOAM,” Sri Krishna College of Technology, Coimbatore, India, February 2017.
- “Advanced CFD simulations using OpenFOAM,” International Seminar on Advanced Fluid Research and Testing, Kumaraguru College of Technology, Coimbatore, India, July 2016.
- “OpenFOAM: Basic Training,” Kumaraguru College of Technology, Coimbatore, India, December 2014.
- “Basic training on OpenFOAM,” PSG College of Technology, Coimbatore, India, February 2014.

### SCHOLARSHIP

Received General Electric Foundation Scholarship (\$6300) during Master’s degree in the year 2010.