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Qualifications:

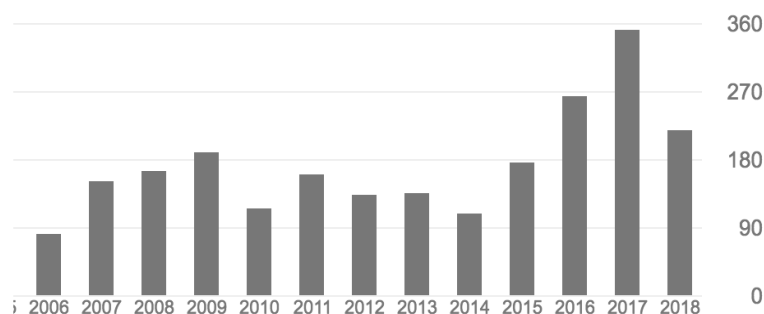
- B.S. degree in physics (1997) from State University of Campinas (UNICAMP), Campinas-SP, Brazil.
- Msc (2000) and Phd degree(2004) in physics from University of Campinas (UNICAMP), Campinas-SP, Brazil.

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Research Interests: His current research has a focus on understanding the role of water vapor and clouds on the climate system and how it might be changed by anthropogenic influences. He is the lead scientist of the Aerosols, Clouds, cONvection, Experiment (ACONVEX) which is planned to be the first long term (+10yr) deployment of in-situ and remote sensing instruments in the Amazon rain forest for the observation of clouds-climate-aerosol interactions. It is part of the LBA project, of the GoAmazon Experiment and of the CHUVA project. Measurements on the experimental site already include aerosol optical properties; water vapor, clouds and aerosol vertical profiles; hydrometeors size distribution; among others. His interests also include large-scale water vapor transport and the importance of the Amazon forest for the moisture recycling and subtropical precipitation over South America. He has worked with physical parameterizations in climate models, particularly radiation and convection, and the development of the Brazilian Earth System Model.

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