

Isabella Velicogna

Professor, Earth System Science, Physical Sciences Associate Dean Graduate Studies, Equity and Inclusion at UC Irvine

Irvine, CA, US

Isabella Velicogna is a Professor of Earth System Sciences and a Faculty Part time at NASA/Caltech's Jet Propulsion Laboratory.

Biography

Isabella Velicogna is a Professor of Earth System Sciences at the University of California Irvine and a Faculty Part time at NASA/Caltech's Jet Propulsion Laboratory, Pasadena, CA. She uses novel geophysical methods and satellite remote sensing techniques to understand the physical processes governing ice sheet mass balance and the hydrologic cycle of high latitude regions, with an emphasis on time-variable gravity from the Gravity Recovery and Climate Experiment (GRACE) mission, follow-on gravity missions, and other geophysical data (GPS, precipitation reanalysis, laser altimetry, regional climate models, and in situ observations).

Areas of Expertise

Physical Climate, Sea Level Rise, GRACE Satellite, Climate Change

Affiliations

American Meteorological Society (AMS), American Association for the Advancement of Science (AAAS), American Geophysical Union (AGU), International Glaciological Society (IGS), European Geophysical Union (EGU)

Education

University of Trieste, Italy

PhD Engineering (Geodynamics)

University of Trieste, Italy

MS Physics

University of Trieste, Italy

BS Physics

Accomplishments

UCI School of Physical Sciences award for Excellence in Undergraduate Education
2015

NASA Group Achievement Award

2013 Ice Mass Balance Intercomparison Exercise Team (IMBIE)

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