Inderpreet Kaur

Info

Address
Gothenburg, Sweden

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+46 733282663

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ikaur1985@gmail.com

Skills

Programming Skills: Python,
Matlab, Fortran, matplotlib,
GrADS

verison control with git

Links

Orcid

LinkedIn

Languages

English
● ● ● ● ●

Swedish
● ● ○ ○ ○

Hindi
● ● ● ● ●

Profile

Researcher in Atmospheric Science with 6+ years experience in geophysical parameter retrieval, model/algorithm development, analysis of geophysical datasets and data-validation

Employment History

Postdoctoral Researcher, Chalmers University of Technology

Mar 2020 — Present   ⚲ Gothenburg, Sweden

- *Measurements of precipitation by applying machine learning techniques*

Postdoctoral Researcher, Max Planck Institute for Chemistry

Nov 2017 — Feb 2019   ⚲ Mainz, Germany

- *Development of a new Global Fire Assimilation System (GFAS-CLIM) specially adapted for climate applications using retrospective analyses (Kalman Smoother)*
- *Bias mitigation in MODIS FRP observations*

Pre/Post-doctoral Researcher, Basque Centre for Applied Mathematics

Oct 2014 — Jun 2016   ⚲ Bilbao, Spain

- *Modeling of stochastic processes in an Eulerian fire propagation model : LSFire+ through a probabilistic approach*
- *Parametrisation of fire-spotting behaviour in wildfires*

Junior Research Fellow, Space Applications Centre, ISRO

Nov 2009 — Feb 2014   ⚲ Ahmedabad, India

- *Retrieval of Atmospheric Motion Vectors from Indian geostationary missions:* Kalpana-1, INSAT3D
- *Numerical Weather Prediction (NWP) using WRF-3DVar*
- *Data validation against model, satellite and in-situ observations*
- *Assisting real-time operational retreival of AMVs*

Education

Gujarat University, PhD

Apr 2011 — Mar 2016   ⚲ Ahmedabad, India

Thesis title: *Estimation of winds using satellite observations and their application in tropical atmospheric processes*

Panjab University, M Sc (Physics)

Aug 2006 — Aug 2008   ⚲ Chandigarh, India