SHUNAN FENG

Remote Sensing, GIS,
Spatial Analysis

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WORK EXPERIENCE

2020 – present **PhD student in the Deep Purple project.** Aarhus University, Denmark
(anticipated completion by November, 2023)
`Quantitative Remote Sensing / Hyper- and Multi-spectral / UAV`

2019 – 2020 **Remote Sensing and GIS Associate** International Committee of the Red Cross, Switzerland
· Processing and analyzing remote sensing imagery in landcover change, population estimation.
· Organize internal training of geospatial data analysis.
· Producing webmaps and supporting emergency response to humanitarian crisis.
`ArcGIS Pro/Online / Google Earth Engine / Python / Pix4D/OpenDroneMap`

EDUCATION

2020 – present **PhD student** Aarhus University, Denmark
Remote sensing of the darkening of the Greenland Ice Sheet

2017 – 2019 **MSc in Earth Science** Uppsala University, Sweden
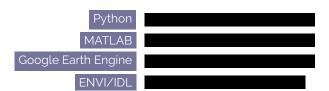Thesis: Cold Surface Layer Dynamics of Storglaciären, Northern Sweden 2009-2019
`MATLAB / Google Earth Engine / LaTeX / Git GitHub`

2013 – 2017 **BSc in Physical Geography** Central China Normal University, China
Thesis: Retrieval of Chlorophyll-A Concentration from 30-year Landsat Imagery in Erhai, China.
`ENVI/IDL / ArcGIS`

SKILLS

Python	████████████		GIS	██████████████
MATLAB	████████████		LaTeX	███████████
Google Earth Engine	████████████		R	██
ENVI/IDL	██████████		Julialang	██

PUBLICATION

· **Peer Reviewed Article**:

1. **Feng, S.**, Cook, J.M., Anesio, A.M., Benning, L.G. and Tranter, M., 2023. Long time series (1984–2020) of albedo variations on the Greenland ice sheet from harmonized Landsat and Sentinel 2 imagery. Journal of Glaciology, pp.1-16. https://doi.org/10.1017/jog.2023.11.

2. Tan, W., Liu, P., Liu, Y., Yang, S., **Feng, S.**, 2017. A 30-Year Assessment of Phytoplankton Blooms in Erhai Lake Using Landsat Imagery: 1987 to 2016. Remote Sensing 9, 1265. https://doi.org/10.3390/rs9121265

FIELDWORK

Jul – Aug/2021
Jul – Aug/2022 **Remote Sensing of algae and albedo.**
Deep Purple Project Greenland Ice Sheet
Fieldwork: Drone imaging and ablation measurement
`Hyperspectral Imaging / GNSS / Drone / Camp Maintenance`

Aug/2018
Apr/2019 **Cold Surface Layer Dynamics**
Degree Project Fieldwork Tarfala Research Station, Sweden
Fieldwork: Measure the glacier subsurface temperature by manufacturing and installing a thermistor string in the ablation zone of Storglaciären.
`Thermistor String installation / Geophysical Survey`

SCHOLARSHIPS AND AWARDS

2018 – 2019 **Linnaeus Scholarship (12,700 SEK), Otterborg Stipend (15,000 SEK),Jänes Scholarship (3,700 SEK)**
 Uppsala University
Research and Travel Scholarship for conducting thesis fieldwork

2017 **Uppsala University IPK Scholarship** **Uppsala University**
cover all tuition fee (290,000 SEK)

LANGUAGES

Chinese - native
English - fluent
Danish - basic

CURRENT STATUS

Working on my PhD project. Biking, reading, coding, and flying a drone for fun.

FUTURE

I am interested in data harmonization and developing glaciological remote sensing products.