

Mohammad Youssef
Videnskabelig assistent
Is-, Klima- og Geofysik
Is-, Klima- og Geofysik
Postadresse:
Tagensvej 16
2200
København N.
Danmark
Postadresse:
Tagensvej 16
2200
København N.
E-mail: youssef@nbi.ku.dk
Telefon: +4535332169, +45 35 33 21 69



Kort præsentation

My primary focus is on the development of imaging techniques and solving inverse problems. I utilize seismic wave observations to deploy an array of methods, including tomography, receiver function imaging, moment tensor inversion, relocation analysis, and shear wave splitting techniques.

Additionally, I engage in electromagnetic imaging, specifically employing lasers to assess the roughness and topography of surfaces. I have patented a novel optical scanning apparatus designed as a dynamic 3D interferometric surface probe. I am keen to connect with potential collaborators who share similar research interests. If your interests aligns with mine, please drop me a line.

Recently appointed as an assistant researcher in Klaus Mosegaard's group, where I am currently engaged in an innovative project aimed at refining algorithms to enhance our understanding of Earth's temporal history.

Websites:-

<https://youssef.webs.com>

<https://github.com/MohammadYoussef>

<https://gitlab.com/mohammadyoussef>

Publikationer

Coupled Crust-Mantle Evolution for > 2 Gy in Southern Africa from Exceptionally Strong Crustal Anisotropy

Thybo, H., Youssef, Mohammad & Artemieva, I. M., 27 nov. 2021, I: Acta Geologica Sinica - English Edition. 95, 51, s. 44-47 4 s.

Coupled Crust-Mantle Evolution for > 2 Gy in Southern Africa from Exceptionally Strong Crustal Anisotropy

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Non-Volcanic Earthquake Swarm Near the Harrat Lunayyir Volcanic Field, Saudi Arabia

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Youssef, Mohammad, Mai, P. M., Parisi, L., Tang, Z., Zahran, H. M., El-Hadidy, S. Y., Sami, M., Hosny, A., Al-Raddadi, W. & El-Hadidy, M. S., 1 apr. 2018, I: 20th EGU General Assembly, EGU2018, Proceedings from the conference held 4-13 April, 2018 in Vienna, Austria. 20, s. 16036

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