

# Yaolin Ge

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SINTEF Ocean  
Trondheim, Norway

## Application letter to “Ocean Observation and Monitoring Researcher”

When I got the email from Tor Nordam about this position, I was very excited. We met each other during Geilo Winter School 2023 and chatted briefly in the poster discussion. I am very inspired and interested in what SINTEF Ocean is doing and willing to join the team.

Briefly about myself, I am currently in my last semester of my Ph.D. study at NTNU, and I will hopefully defend my Ph.D. in August 2023. I have been working on MASCOT project during the past two and half years, in which I have mainly worked with AUV samplings to investigate the river plume front. In total, we have launched 12 field trials in both Trondheimsfjorden and Atlantic Ocean, and we will carry out more soon. I have employed sentinel-2 for remote satellite sensing of the ocean surface before we started the operation. In addition, I use SINMOD to build priors before the experiments, and soon the buoy data from OceanLab Observatory will be incorporated as well. I am used to working both independently and collaboratively. I am actively attending workshops (Geilo Winter School 2023) and conferences (NORDSTAT 2021, IFAC CAMS 2022) to brush up my knowledge. I am also willing to share with others about my latest findings in various talks internally (WGSS/statistics seminars at IMF, NTNU) and externally (MIT Portugal Marine Robotics Summer School 2021). I have so far submitted two papers, one is accepted (IFAC-PapersOnLine) and one is under review (IEEE JOE). I have completed three Norwegian courses offered at NTNU, corresponding to level B2 CEFR.

Apart from the professional life, I am also very active in my spare time. I have been training Taekwondo for nine years and have competed in NM in 2021 (won bronze medal in senior M 74+). I like dancing and playing piano as well. Additionally, sharing with others about the joy of dancing and Taekwondo is also one of my favorite things to do. Last but not least, skiing and hiking in the mountains are my ways of meditation.

I will bring the competence of utilizing autonomous and unmanned vehicles for ocean sampling and monitoring. I am looking forward to joining the group.

Sincerely,

