

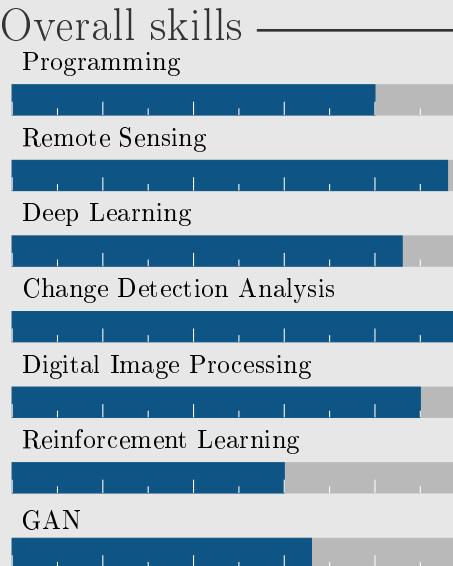


Lino Garda Denaro  
Post-Doct

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About me

Lino was born in Batam, Indonesia. He received the B.Eng. degree in Department of Geomatics Engineering from Institute of Technology Sepuluh Nopember (ITS) Surabaya, Indonesia (2011-2015). Afterward, He got a scholarship in Taiwan to continue studying in the geomatics field for his master's degree (2016-2018) and followed by his doctoral degree (2018-2022). He graduated his Doctoral degree program in February 2022 with 6 papers and 1 paper in the submission process.



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# Lino Garda Denaro, B.Eng., M.S., Ph.D.

Science of Geomatics and Remote Sensing

## interests

Remote Sensing, Atmospheric Correction, Change Detection Analysis, and Artificial Intelligence

## education

2018 - 2022	Doctor of Philosophy (GPA: 3.9) Department of Geomatics National Cheng Kung University (NCKU)	Tainan, Taiwan
2016 - 2018	Master of Science (GPA: 3.9) Department of Geomatics National Cheng Kung University (NCKU)	Tainan, Taiwan
2011 - 2015	Bachelor of Engineering (GPA: 3.38) Department of Geomatics Engineering Institute Technology Sepuluh Nopember (ITS)	Surabaya, Indonesia
2008 - 2011	High School Natural Science National High School 4 (SMAN-4 Kediri)	Kediri, Indonesia

## professional experiences

2022 - Now	Post-Doctoral Fellow Remote Sensing Laboratory	National Taiwan University - Taipei, Taiwan
2018 - 2022	Student Research Assistant Geo-Artificial Intelligence Laboratory	Department of Geomatics - NCKU, Taiwan
2016 - 2018	Student Research Assistant Digital Geometry Laboratory	Department of Geomatics - NCKU, Taiwan
2015 - 2016	Working in Government Institution Development Planning Agency of Surabaya City	BAPPEKO - Surabaya, Indonesia
2014	Internship of Department of Remote Sensing Lembaga Penerbangan dan Antariksa Nasional (LAPAN)	Jakarta, Indonesia

## skills

- Remote Sensing  
Change Detection Analysis, Land Analysis, Ocean Color (Chl-a, Total Suspended Solid), Air Pollution (PM2.5,10), Ground Water Analysis, Hotspot Area, Environmental Analysis
- Digital Image Processing  
Histogram Processing, Image Filtering (Frequency and Spatial Domains using Fourier Transform), Morphological Image, Restoration and Reconstruction, Image Segmentation, Feature Extraction, and Image Pattern Classification
- Programming  
MATLAB, Python (Anaconda, PyCharm, Jupyter, Colab), C#, SQL, R, Java, Java Script
- Machine Learning  
Deep Learning (Dense Neural Network, Convolutional Neural Network), Water-Net, U-Net, Reinforcement Learning, Transfer Learning
- Computer Programs  
Remote Sensing Software (BEAM Visat, SNAP, ENVI, Q-GIS, Arc-Map, etc), Video Editor (Adobe premier Pro), 3D Modelling (PIX 4D Mapper, AutoCAD, Agisoft Photoscan, Australis, Cloud Compare), 2D Design (Corel Draw, Photoshop), Office Applications, LaTeX

## reviewer

- IEEE - Journal of Selected Topics in Applied Earth Observations and Remote Sensing
- IEEE - Transaction on Geoscience and Remote Sensing
- IEEE - International Journal of Remote Sensing

## publications

- Feb. 2020 IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
Hybrid canonical correlation analysis and regression for radiometric normalization of cross-sensor satellite imagery
- Jul. 2019 IGARSS 2019- IEEE International Geoscience and Remote Sensing Symposium  
Nonlinear relative radiometric normalization for Landsat 7 and Landsat 8 imagery
- Mar. 2019 IEEE Geoscience and Remote Sensing Letters  
Pseudoinvariant feature selection using multitemporal MAD for optical satellite images
- Feb. 2019 The International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences  
Hybrid Canonical Correlation Analysis and Regression for Radiometric Normalization of Cross-Sensor Satellite Images
- Nov. 2019 ISPRS Journal of Photogrammetry and Remote Sensing  
Spectral-consistent relative radiometric normalization for multitemporal Landsat 8 imagery
- Aug. 2018 Journal of Applied Remote Sensing  
Pseudoinvariant feature selection for cross-sensor optical satellite images

## conferences

- 2021 Asian Conference on Remote Sensing (ACRS), Vietnam
- 2019 PhilGeos (GeoAdvences) Paper 2, Philippine
- 2019 PhilGeos (GeoAdvences) Paper 1, Philippine
- 2019 Asian Conference on Remote Sensing (ACRS), Korea
- 2019 International Symposium on Remote Sensing (ISRS), Taiwan
- 2018 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Japan
- 2018 International conference of SG37, Taiwan
- 2017 International Conference of Indonesia Society for Remote Sensing (ICOIRS), Indonesia
- 2016 International Symposium on GNSS (ISGNSS), Taiwan
- 2016 International conference of SG36, Taiwan

## awards & achievements

- 2018 - 2022 Ph.D Distinguished Scholarship - NCKU, Taiwan
- 2018 - 2022 Ministry of Science and Technology (MOST) Scholarship, Taiwan
- 2019 Invited Speaker of PhilGeos Conference, Philippine
- 2017 Best Presenter of International Conferences of Indonesian Society for Remote Sensing (ICOIRS), Indonesia
- 2016 - 2018 M.Sc Distinguished Scholarship - NCKU, Taiwan
- 2016 - 2018 Ministry of Science and Technology (MOST) Scholarship, Taiwan
- 2015 Analyst Surveyor License (Indonesian Surveyors Association)
- 2013 - 2015 Van Deventer-Maas Scholarship (VDMS)

