

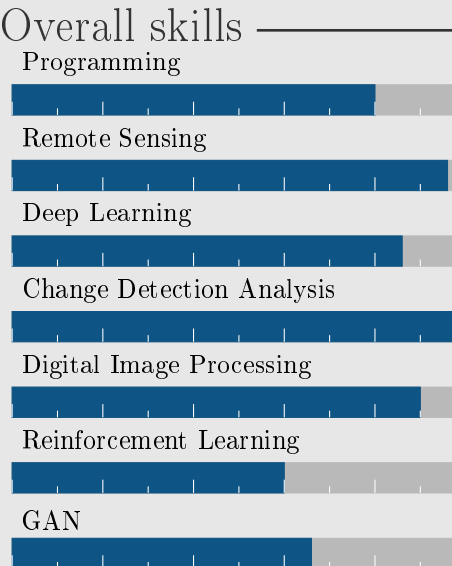


Lino Garda Denaro
Researcher

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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.



[Last updated on: 20th March, 2022]

Lino Garda Denaro, B.Eng, M.Sc, Ph.D

Science of Geomatics

interests

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

education

2018 - 2022	Ph.D. (GPA: 3.9) Department of Geomatics National Cheng Kung University (NCKU)	Tainan, Taiwan
2016 - 2018	M.Sc. (GPA: 3.9) Department of Geomatics National Cheng Kung University (NCKU)	Tainan, Taiwan
2011 - 2015	B.Eng. (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

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

- | | |
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| 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

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| 2021 | Asian Conference on Remote Sensing (ACRS), Vietnam |
| 2019 | PhilGeos (GeoAdvances) Paper 2, Philippine |
| 2019 | PhilGeos (GeoAdvances) 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

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|-------------|--|
| 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) |