Lino Garda Denaro

Post-Doct

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Publons

ResearchGate

LinkedIn

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.

Overall skills

Programming

Remote Sensing

Deep Learning

Change Detection Analysis

Digital Image Processing

Reinforcement Learning

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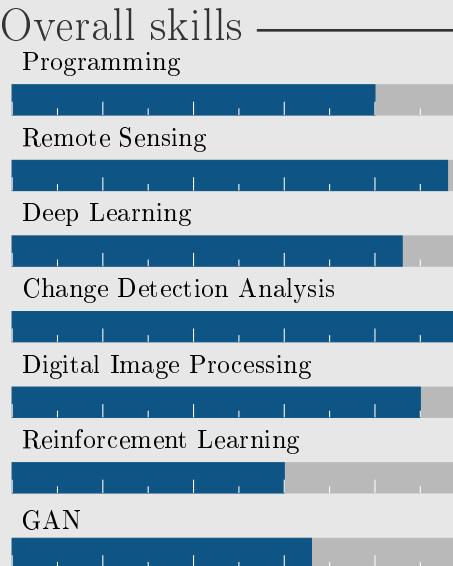
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Lino Garda Denaro, B.Eng., M.S., Ph.D.

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)