



Denaro, Lino Garda

Postdoct at NTU-Taiwan
Researcher at BRIN-Indonesia

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Interests

- Remote Sensing
- Atmospheric Correction
- Change Detection Analysis
- Artificial Intelligence
- Convolution Neural Network

Overall Skills

Programming:

- MATLAB ● ● ● ● ●
- Python ● ● ● ● ●
- C#, CSS ● ● ● ● ●

Tools:

- OpenCV ● ● ● ● ●
- TensorFlow ● ● ● ● ●
- Keras ● ● ● ● ●

Remote Sensing Tools:

- ENVI, SNAP ● ● ● ● ●
- BEAM VISAT ● ● ● ● ●
- Arc MAP ● ● ● ● ●
- QGIS ● ● ● ● ●

Other Tools:

- LaTeX ● ● ● ● ●
- AutoDesk Map ● ● ● ● ●
- 3D Modelling ● ● ● ● ●
- 2D Modelling ● ● ● ● ●

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

Professional Experience

- Mar, 2024 – Present **Researcher Staff** **Research Center for Geoinformatics** *National Research and Innovation Agency (BRIN)* Bandung, Indonesia
- Jul, 2022 – Present **Postdoctoral Fellow** **Department of Geography** *National Taiwan University (NTU)* Taipei, Taiwan
- Feb, 2018 – Feb, 2022 **Student Research Assistant** **Department of Geomatics** *National Cheng Kung University (NCKU)* Tainan, Taiwan
- Feb, 2016 – Feb, 2018 **Student Research Assistant** **Department of Geomatics** *National Cheng Kung University (NCKU)* Tainan, Taiwan
- Sep, 2015 – Feb, 2016 **Working in Government Institution** **Mapping and Development** *Department of Development Planning Agency of Surabaya City* Surabaya, Indonesia

Education

- 2018 – 2022 **Doctor of Philosophy** **Department of Geomatics** *National Cheng Kung University (NCKU)* Tainan, Taiwan
GPA: 3.9
- 2016 – 2018 **Master of Science** **Department of Geomatics** *National Cheng Kung University (NCKU)* Tainan, Taiwan
GPA: 3.9
- 2011 – 2015 **Bachelor of Engineering** **Department of Geomatics Engineering** *Institute Technology of Sepuluh Nopember (ITS)* Surabaya, Indonesia
GPA: 3.38
- 2008 – 2011 **National High School** **Natural Science Class 2** *SMA Negeri 4* Kediri, Indonesia

Skills

Remote Sensing

- Change Detection Analysis, Land Analysis, Ocean Color (Chl-a, Total Suspended Solid), Air Pollution (PM2.5,10), Ground Water Analysis, Hot-spot 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, JavaScript

Machine Learning

- Deep Learning (Dense Neural Network, Convolutional Neural Network), Water-Net, U-Net, Reinforcement Learning, Transfer Learning

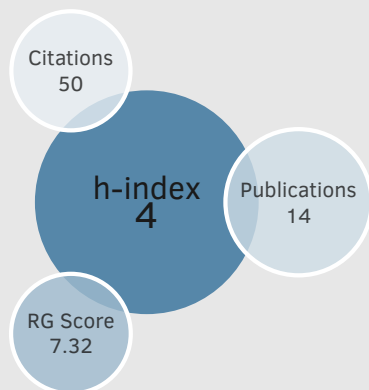
Computer Programs

- 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

Short Bio

During Lino's studies from 2014 - 2022, He has attended many local and international conferences among countries, such as Korea, Japan, Philippine, Taiwan, and Indonesia. He also has been publishing international papers and still going on. After graduated in Doctoral degree, He continue working as Postdoctoral Fellow in National Taiwan University (NTU) Taiwan.

Metrics



Profiles



Languages

Indonesian (Mother Tongue)

English (TOEFL ITP:523, 2018)

Chinese (Intro. course, 2016-17)

Personal

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.

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
- Remote Sensing
- Sustainability

Guest Lectures

29 October 2023	Guest Lecturer Department of Informatics Engineering <i>University of Pembangunan Nasional (UPN)</i>	Surabaya, Indonesia
May, 2023 – Jun, 2023	Guest Lecturer Kampus Merdeka Department of Biology <i>University of Nusantara PGRI (UNP)</i>	Kediri, Indonesia
Mar. 2022 – Aug. 2022	Guest-Adjunct Lecturer Department of Geodesy Engineering <i>Diponegoro University (UNDIP)</i>	Semarang, Indonesia
Sep. 2021 – Feb. 2023	Guest-Adjunct Lecturer Department of Geodesy Engineering <i>Diponegoro University (UNDIP)</i>	Semarang, Indonesia

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)

Organizations

2019 – 2020	Secretary of Dewan Perwakilan Mahasiswa, PPI Taiwan
2018 – 2019	Department of Foreign Affair, PPI Tainan
2017 – 2018	Head Department Islamic Study of MSA, NCKU Taiwan
2016 – 2017	Head Department Islamic Study of MSA, NCKU Taiwan
2014 – 2015	Supervisor at Kost Quran SDM-IPTEK, Surabaya Indonesia
2012 – 2014	Department of Ristek FTSP ITS, Surabaya Indonesia

Publications

May, 2024 **International Journal of Applied Earth Observation and Geoinformation**
Reconstructing fresh green leaf spectra in the SWIR-2 region (2001–2500 nm) collected in a humid environment by referring to publicly available green leaf spectral databases

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

21 – 24th Nov 2021 Asian Conference on Remote Sensing (ACRS), Vietnam

14 – 15th Nov 2019 PhilGeos (GeoAdvences) Paper 1, Philippine

16 – 17th Nov 2019 PhilGeos (GeoAdvences) Paper 2, Philippine

14 – 18th Oct 2019 Asian Conference on Remote Sensing (ACRS), Korea

17 – 19th Apr 2019 International Symposium on Remote Sensing (ISRS), Taiwan

22 – 27th Jul 2018 IEEE International Geoscience and Remote Sensing Symposium (IGARSS), Japan

07 – 10th Aug 2018 International conference of SG37, Taiwan

31 – 01th Oct 2017 International Conference of Indonesia Society for Remote Sensing (ICOIRS), Indonesia

05 – 07th Des 2016 International Symposium on GNSS (ISGNSS), Taiwan

12 – 15th Jul 2016 International conference of SG36, Taiwan