

CURRICULUM VITAE

MARTIN JAN E. MERCURIO

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**PERSONAL INFORMATION**

Date of Birth: 22 December 1989 **Place of Birth:** Mayamot, Antipolo, Rizal
Civil Status: Married **Citizenship:** Filipino **Sex:** Male

EDUCATION**MS in Geomatics Engineering (Applied Geodesy specialization)**

University of the Philippines Diliman, Quezon City, Philippines August 2018 – August 2020

Scholarship: DOST-Engineering Research and Development for Technology

Bachelor of Science in Geodetic Engineering

Visayas State University, Visca, Baybay City, Leyte June 2006 – April 2012

EXPERIENCE

Instructor III	Department of Geodetic Engineering College of Engineering and Technology (CET), Visayas State University Visca, Baybay City, 6521-A, Leyte, Philippines April 2024 – Present
Instructor I	Department of Geodetic Engineering, CET, VSU Visca, Baybay City, 6521-A, Leyte, Philippines August 2016 – April 2024
College Secretary	College of Engineering and Technology Visayas State University Visca, Baybay City, 6521-A, Leyte, Philippines November 2023 – Present
Department Head	Department of Geodetic Engineering Faculty of Engineering VSU Visca, Baybay City, 6521-A, Leyte, Philippines July 2022 – January 2023; January 2025 - present
Part-time Instructor	Department of Geodetic Engineering College of Engineering, VSU Visca, Baybay City, 6521-A, Leyte, Philippines June 2014 – May 2016
Geodetic Engineer (GE)	JC Bencure Surveying Office Baybay City, Leyte, Philippines October 2012 – June 2014
Student Intern	Certeza Infosys Corporation San Juan City, Metro Manila, Philippines November 2011 – February 2012
Private Practice GE	July 2014 - Present

RESEARCH PROJECTS

<i>Study Leader</i>	<p>Component 2: Land Surveying <i>Project/Consultancy: Land Valuation/Appraisal, Surveying, and Assessment of LEIZ-Core Merida Area</i> December 2023 – July 2024</p>
<i>Co-Study Leader</i>	<p>Study 1: Multispectral and Hyperspectral Imaging (HIS) of Sweetpotato Plants under Controlled Water-Stress Conditions <i>Project: Screenhouse-based High-Throughput Phenotyping (HTP) for Development of Climate-Resilient Rootcrops (Project code: VSU-IP-2023-3)</i> July 2023 – Present</p>
<i>Expert on call</i>	<p>Study 2: Multispectral and Hyperspectral Imaging (HIS) of Cassava and Sweetpotato Plants at Different Stages of Growth <i>Project: High-Throughput Field-Phenotyping (HTFP) of Major Rootcrops Using Unmanned Aerial Vehicle (Project code: VSU-IP-2021-1)</i> April 2021 – December 2021</p>
<i>Reviewer</i>	<p>International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Symposium 2024 <i>Papers accepted to the event will be published in the ISPRS Annals or Archives. Publications are listed in the ISI Conference Proceedings Citation Index, Web of Science, Scopus, and the Directory of Open Access Journals.</i> April 2024</p>

PUBLICATIONS

- **Mercurio, M.** and Reyes, R.: THE APPLICABILITY OF LOW-COST MULTI-FREQUENCY MULTI-GNSS RECEIVERS FOR GEODETIC CONTROL SURVEYING, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLVIII-4/W8-2023, 371–377, <https://doi.org/10.5194/isprs-archives-XLVIII-4-W8-2023-371-2024>, 2024.
- Garcia, H. H., **Mercurio, M. E.**, Noveloso, D. P., and Reyes, R. B.: POSITIONAL ACCURACY ASSESSMENT USING SINGLE AND MULTI-GNSS, *Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci.*, XLII-4/W19, 223–227, <https://doi.org/10.5194/isprs-archives-XLII-4-W19-223-2019>, 2019.

TECHNICAL POSTER PRESENTED IN CONFERENCE

- Garcia, H., **Mercurio, M.**, Noveloso, D., Reyes, R. Improvement of Single-frequency Pseudorange-based Single Point Positioning Using Ionosphere Map Exchange (IONEX). Presented during the PhilGEOS x GeoAdvances 2019 held on November 14-15, 2019, at the National Museum of Fine Arts, Manila, Philippines.

EXTENSION/SHORT-TERM SERVICES

<i>Technical Assistant: Drone Operator</i>	<p>Technical Assistance for Post Disaster Assessment of Typhoon Agaton in Baybay City, Leyte <i>Aerial Survey and Mapping of Disaster Stricken Areas</i> Requesting Party: LGU Baybay City, Leyte Baybay City, Leyte April 2022</p>
<i>Technical Consultant</i>	<p>Topographic Hydrographic Survey of Sabang River Requesting Party: LGU Baybay City, Leyte Brgy. Sabang, Baybay City, Leyte June 21-22, 2017</p>

TRAINING AND SEMINARS ATTENDED

Resource Speaker	<p>49th National Directorate Meeting and Convention Topic: Post-processing of Single Baseline GNSS Data using Free and Open Source GNSS Processing Software Organized by Geodetic Engineers of the Philippines, Inc. Leyte Academic Center, Palo, Leyte June 14-15, 2024</p>
Participant	<p>Special Lecture on Low Cost GNSS Receivers by Dr. Dinesh Manandhar Sheraton Manila Hotel, Pasay City, Philippines April 26, 2024</p>
Participant	<p>United Nations/Philippines Workshop on the Applications of Global Navigation Satellite Systems (GNSS) Sheraton Manila Hotel, Pasay City, Philippines April 22-26, 2024</p>
Resource Speaker	<p>48th GEPI-08 Annual Regional Convention Topic: Applicability of Low-Cost Multi-Frequency Global Navigation Satellite System Receiver in The Creation of Digital Elevation Models Binaybayon Convention Center, Baybay City, Leyte February 2-3, 2023</p>
Presenter	<p>PhilGEOS 2023 Presented the paper "THE APPLICABILITY OF LOW-COST MULTI-FREQUENCY MULTI-GNSS RECEIVERS FOR GEODETIC CONTROL SURVEYING" by M. Mercurio & R. Reyes; Organized by the Department of Geodetic Engineering, University of the Philippines Diliman, Quezon City, Philippines; the symposium includes the presentation of the research and projects in international geomatics engineering science. UP Institute of Biology Auditorium, University of the Philippines Diliman December 6-7, 2023</p>
Resource Speaker	<p>Training-Workshop on Plotting and Topographic Map Preparation with Civil 3D and Google Earth Rotary Club, Tacloban City September 30, 2023</p>
Resource Speaker	<p>47th GEPI-08 Annual Regional Convention C Pavillion, San Jose, Tacloban City April 21-22, 2023</p>
Resource Speaker	<p>Development of University Policy on Landslide Risk Mitigation for Dormitory Residents in Visayas State University CCE, VSU, Baybay City, Leyte March 4, 2023</p>
Participant	<p>Pista ng Mapa X State of the Map Asia 2022 Bicol University East Campus, Gymnasium, Legazpi City, Albay, Philippines November 21-25, 2022</p>
Resource Person/Trainer	<p>Seminar-workshop Series on Assessment of Environmental Pollution Associated with Poultry and Livestock Production Series Two: Applications of GIS and GPS in Environmental Pollution Assessment College of Veterinary Medicine, VSU November 18, 2022</p>
Resource Person/Trainer	<p>QGIS Training for HUMAIN Project III Eco-FaRMI Training Hall, VSU July 19-22, 2022</p>

Resource Speaker	46 th GEPI-08 Annual Regional Convention Topic: Applicability of Low-cost Multi-frequency GNSS Receivers of Geodetic Control Surveying Pacific Point, San Jose, Tacloban City March 25-26, 2022
Participant	GNSS Data Processing for High-Accuracy Positioning Using Low-Cost Receiver Systems Online/ICG, UNOOSA & CSIS, THE UNIVERSITY OF TOKYO January 19-21, 2021
Participant	Technical Seminar on Reference Frames in Practice: Progress and Challenges in the Asia-Pacific Region Online/International Federation of Surveyors: FIG December 12, 2020
Participant	Geoid Modeling Training Department of Geodetic Engineering, University of the Philippines Diliman National Engineering Center, University of the Philippines, Philippines November 11-16, 2018
Participant	Gravity Field Modelling, Geodesy and Gravimetry Department of Geodetic Engineering, University of the Philippines Diliman National Engineering Center, University of the Philippines, Philippines October 15-19, 2018
<u>Resource Person/Trainer</u>	Basic Quantum Geographic Information System (QGIS) Software Training for Local Government Unit - VSU Phil-LiDAR Visayas State University, Philippines April 3-7, 2017

LICENSE

- Professional Geodetic Engineer – Professional Regulation Commission, Philippines (2012)
- Non-Professional Drivers License

SKILLS AND COMPETENCIES

Technical skills and competencies	<ul style="list-style-type: none"> • Skilled in operating different surveying instruments such as total station, transit, and GNSS receivers for land surveying • Conduct expert services to professionals in the use of different GNSS survey techniques • Focusing on GNSS application of low-cost dual-frequency GNSS receiver • Ability to give technical advice and support to client's concerns and problems concerning their real property, such as land, gained in practicing the profession as Geodetic Engineer • Ability to train individuals or groups in using GIS software and its applications • Ability to conduct geodetic surveys and higher precision positioning applications
Computer skills and competencies	<ul style="list-style-type: none"> • Proficient in using GIS and Remote Sensing software: ArcGIS, Quantum GIS, ENVI • Proficient in the use of MS Office programs: Word, PowerPoint, Excel • Proficient in GNSS baseline/network adjustment software: RTKLIB/Trimble Business Center • Proficient in coding using the Python programming language • Proficient in using the Latex program in document preparation

REFERENCES

Dr. Jannet C. Bencure

Dean, College of Engineering and Technology
Visayas State University, Philippines

Dr. Czar Jakiri S. Sarmiento

Department Chair, Department of Geodetic Engineering
University of the Philippines Diliman, Philippines

Dr. Rosalie B. Reyes

Faculty, Department of Geodetic Engineering
University of the Philippines Diliman, Philippines

I hereby certify that all information presented above are true and correct to the best of my knowledge.



Martin Jan E. Mercurio

02 June 2025