GEOLOGICAL SOCIETY OF THE PHILIPPINES

FOURTH CONFERENCE CIRCULAR
NOVEMBER 2026

GEOCON 2026

BRIDGING REGIONS, ADVANCING GEOSCIENCE

December 1-2, 2026 | SMX Lanang, Davao City

15.5 CPD pts

for ONSITE & ONLINE PARTICIPATION

+ CPD pts to presenters, moderators, and organizers

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PROGRAM OVERVIEW

DAY 1 | DECEMBER 1 | TUESDAY

07:00	-	08:00	REGISTRATION
08:00	-	08:15	NATIONAL ANTHEM, PRAYER, AND SAFETY BRIEFING
08:15	-	08:25	WELCOME REMARKS
08:25	-	08:30	INTRODUCTION OF THE KEYNOTE SPEAKER
08:30	-	09:00	KEYNOTE ADDRESS (Mr. Noe L. Caagusan)
09:00	-	09:05	PRESENTATION OF TOKEN / CONFERENCE PHOTO
09:05	-	09:30	PLENARY TALK 1 (Dr. Ramon D. Quebral)
09:30	-	09:55	PLENARY TALK 2 (Min. Akmad A. Brahim)
09:55	-	10:00	PRESENTATION OF TOKEN
10:00	-	10:45	PANEL DISCUSSION
10:45	-	10:55	COFFEE BREAK
10:55	-	12:00	GEOMARKETING TALKS
12:00	-	13:00	LUNCH BREAK
13:00	-	14:00	MODERATED POSTER PRESENTATION
14:00	-	17:20	ORAL PRESENTATIONS
17:20	-	18:30	MODERATED POSTER PRESENTATION
18:30	-	onwards	SOCIALS NIGHT AND CULTURAL SHOWCASE

DAY 2 | DECEMBER 2 | WEDNESDAY

07:00	-	08:00	REGISTRATION
08:00	-	08:25	PLENARY TALK 3 (Usec. Alessandro O. Sales)
08:25	-	08:50	PLENARY TALK 4 (Engr. Earl Nicholas F. Rada)
08:50	-	09:15	PLENARY TALK 5 (Pres. Tsolmon Gonchig)
09:15	-	09:19	PRESENTATION OF TOKEN / GROUP PHOTO
09:19	-	09:29	COFFEE BREAK
09:29	-	09:50	GEOMARKETING TALKS
09:50	-	11:50	ORAL PRESENTATIONS
11:50	-	13:00	LUNCH BREAK & POSTER PRESENTATION
13:00	-	16:40	ORAL PRESENTATIONS
16:40	-	17:30	GSP BUSINESS MEETING
			AWARDING AND COMELEC RESULTS
			CLOSING REMARKS

Masters of Ceremonies: **Ms. CHARMAINE V. VILLAMIL & Mr. NICOLE JEAN I. MERCADO**

FOURTH CONFERENCE CIRCULAR
November 2026

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KEYNOTE SPEAKER



Mr. NOE L. CAAGUSAN

Mr. Caagusan is **a distinguished Filipino geologist whose career spans nearly five decades across government service, petroleum, geothermal energy, and mining**. Widely regarded as one of the country's foremost exploration geologists, he has made pioneering contributions to the discovery and development of energy and mineral resources in the Philippines and abroad. His accomplishments include the discovery of the San Antonio Gas Field in Isabela — the Philippines' first onshore commercial natural gas producer — the Maibarara Geothermal Field in Batangas, the Etame Marin 120-million-barrel Oilfield offshore Gabon in West Africa, and the Khatavchiin Undur Uul Gold Deposit in Mongolia. He has also advanced gold and copper exploration in Mindanao, helping unlock the mineral potential of one of the country's most significant mineral districts. Beyond exploration, Mr. Caagusan has made lasting contributions to geoscience through his research on Philippine metamorphic terranes, offshore Palawan petroleum systems, and the metallogenic mapping of the Philippines, authoring more than 40 technical reports and publications. These exceptional achievements have earned him some of the highest recognitions in the geoscience profession, including the Philippine Presidential Recognition, the MGB Seamount Award for his outstanding contributions to marine geological and petroleum studies, and the 2021 Philippine Federation of Professional Associations (PFPA) Distinction and Excellence Award for Geology, which recognized his remarkable body of work in petroleum, geothermal, and mineral exploration, as well as his enduring contributions to geological research and resource development. Drawing from decades of firsthand experience, Mr. Caagusan will take us on a journey through the evolution of the Philippines' mineral districts, while reflecting on the transformation of the geoscience profession, the challenges it has overcome, and the opportunities that lie ahead for future generations of Filipino geoscientists.

PLENARY SPEAKERS

Dr. RAMON D. QUEBRAL



Dr. Quebral is a highly accomplished structural and engineering geologist widely recognized as the leading expert on the southern segment of the Philippine Fault in eastern Mindanao. He served over 30 years at MGB as Section Chief of both the Urban Geology and Regional Geology sections. He has also served as a key Environmental Impact Assessment reviewer for the DENR Environmental Management Bureau and currently shares his expertise as **Principal Geologist of AMH (Philippines), Inc.** and a **research member of the EMS Concrete Petro Laboratory** at the University of the Philippines.

Usec. ALESSANDRO O. SALES



Usec. Sales is a veteran petroleum geologist with more than four decades in corporate governance and public policymaking. He is an energy official, currently serving as an **Undersecretary of the Department of Energy (DOE)**, where he leads the Energy Resource Development Bureau. In his current role, he drives national energy self-sufficiency by modernizing upstream exploration contracts, integrating native hydrogen frameworks, establishing Strategic Petroleum Reserves, and deploying natural gas to power off-grid communities.

Min. AKMAD A. BRAHIM



Min. Brahim serves as **Minister of the Ministry of Environment, Natural Resources, and Energy (MENRE) of BARMM**. Since 2022, he has led initiatives promoting environmental governance, responsible resource management, and climate resilience across the Bangsamoro. He also serves as Head of the Secretariat of the Joint Normalization Committee, contributing to peace and normalization efforts in the region since 2015. At MENRE, he oversees programs on environmental protection, natural resource management, and energy development, supporting a sustainable, resilient, and climate-smart BARMM.

Pres. TSOLMON GONCHIG



Pres. Tsolmon is a Mongolian economic geologist with over 20 years of experience in exploration and mining in Mongolia and abroad. He is the **CEO and co-founder of Trigteq**, a technology company delivering innovative, automated, and AI-driven solutions to the mining and engineering industries across Central Asia. He previously represented Seequent across Asia. A longtime volunteer with the Mongolian Society of Economic Geologists, he has served as its President since December 2024, advancing digital transformation and modern organizational initiatives.

Engr. EARL NICHOLAS F. RADA



Engr. Rada is an **Engineer V** at the **Department of Public Works and Highways (DPWH)** under the **Unified Project Management Office-Roads Management Cluster 1 (Bilateral)**. He serves as a Project Inspector and Coordinator for the supervision of the Davao City Bypass Construction Project, managing the development of the country's first full scale and longest twin-tube road mountain tunnel with a length of 2.3 kilometers. He works closely with JICA and international consultants and contractors for a successful project execution.

GEOCON 2026
BRIDGING REGIONS, ADVANCING GEOSCIENCE

PANEL DISCUSSION: DRRM in Mindanao

Dr. KEVIN L. GARAS



Moderator

Dr. Garas is the **OIC Chief of the Lands Geological Survey Division of DENR-MGB.** He specializes in geohazard assessment, geomorphology, remote sensing, and karst studies. He also actively advances Philippine geoheritage, including identifying and evaluating geosites for National Geological Monument status and potential UNESCO Global Geopark recognition.

PANELISTS



Dr. TERESITO C. BACOLCOL

Dr. Bacolcol is **Director IV of DOST-PHIVOLCS**, where he leads in monitoring and assessing volcano, earthquake, and tsunami hazards and advancing science-based DRRM. He specializes in GPS, geodesy, active faults, and neotectonics, contributing to earthquake hazard assessment in the Philippines. His contributions to national resilience were recognized with the 2025 "*Dangal ng Pilipino: Pagpapa-unlad ng Kagalingan at Katatagan*" Award from the OCD.



Dr. JAMES CESAR A. REFRAN

Dr. Refran is a space geoscientist and **Chief of PhilSA's Earth Sciences Space Mission Studies Division**. He specializes in space science applications for hazard preparedness, air quality monitoring, and climate resilience, and leads research collaborations, including NASA, advancing satellite applications for disaster risk reduction and national space capabilities.



Mr. MUSTANSIR V. MANJOORSA

Mr. Manjoorsa is a seasoned geologist and public servant serving as **OIC-Chief of the Geosciences Division and Supervising Geologist at MGB XI.** He also heads the General and Economic Geology Section, leading regional initiatives in mineral resource assessment, geological mapping, and engineering geological surveys.



Engr. LOLITA L. VINALAY, MPA

Engr. Vinalay, is a veteran meteorologist, engineer, and public servant serving as **Assistant Weather Services Chief of the Minadano PAGASA Regional Services Division - Davao**. She oversees weather forecasting and hydrometeorological hazard assessment, supporting disaster risk reduction and climate resilience across Davao and Mindanao.



Ms. CATHY POGAY-TAN

Ms. Tan is a **Civil Defense Officer II at the Office of Civil Defense Region XI**. Since 2019, she has been working on DRRM capacity building, LGU technical assistance, disaster preparedness, and stakeholder coordination. She is also the regional focal person for the Gawad KALASAG Program, advancing disaster resilience across the Davao Region.

ORAL PRESENTATIONS

DAY 1 | DECEMBER 1 | TUESDAY

FUNCTION ROOM 2 | PARALLEL SESSION A

SESSION 1: TECTONICS AND VOLCANOLOGY

14:00 - 14:20	S1001	**Crustal Architecture and Fault-Controlled Deformation in the Central Philippine Arc–Continent Collision Zone** **Leo T. Armada** | National Institute of Geological Scieneces - UP Diliman
14:20 - 14:40	S1002	**Creep rate of the central and southern Philippine fault revealed by offset cultural features and alignment array survey** **Jeffrey S. Perez** | DOST - PHIVOLCS
14:40 - 15:00	S1003	**Geology of the Pantaron Mountain Range, Central Mindanao: Constraints from Petrological, Stratigraphic and Structural Evidence** **Kevin Bien D. Tee** | DENR - Mines and Geosciences Bureau - Central
15:00 - 15:20	S1004	**Structural analysis of the M7.8 Sarangani Earthquake of 8 June** **Mario A. Aurelio** | National Institute of Geological Scieneces - UP Diliman
15:20 - 15:40	S1005	**Multi-parameter monitoring of long-term unrest at Kanlaon Volcano, Philippines** **Ma. Antonia V. Bornas** | DOST - PHIVOLCS
15:40 - 16:00	S1006	**Interpreting the Eruption Processes Related to the Pleistocene Volcanic Sequences in Kabayan and Buguias, Benguet Province** **Meryl Joy Caferina R. Sarmiento** | National Institute of Geological Sciences - UP Diliman

SESSION 3: STRATIGRAPHY AND PALEONTOLOGY

16:00 - 16:20	S2014	**Expanding the Philippine Fossil Record: New Discoveries and Insights** **Allan Gil S. Fernando** | National Institute of Geological Sciences - UP Diliman
16:20 - 16:40	S3015	**New insights on the stratigraphy and structural history of South-Central Negros Island** **John Llyod A. Cadungog** | Negros Oriental State University
16:40 - 17:00	S3016	**New Report on Radiolarian-Bearing Siliceous Mudstones of Cebu Island: Insights into the Tectonic History of an Emergent Early Cretaceous Island Arc** **Jerali D. Rodrigo** | Negros Oriental State University
17:00 - 17:20	S3017	**Pleistocene Bovid Dental Fossils from La Union, Luzon, Philippines** **Miguel Joven E. Villanueva** | National Instiute of Geological Sciences - UP Diliman

MEETING ROOM 4-5 | PARALLEL SESSION B

SESSION 2: PETROLOGY AND GEOCHEMISTRY

14:00 - 14:20	S2007	**Geochemical and Mineralogical Investigation of Hijo-Barrio-Palale Gold Deposit, Golden Valley, Mabini, Davao de Oro** **Cicelle Q. Cepada** | Asia-Alliance Mining Resources Corporation
14:20 - 14:40	S2008	**A Jurassic-Cretaceous arc in the Philippine Mobile Belt: Zircon U-Pb ages and geochemical constraints from Caramoan Peninsula, Camarines Sur, southeastern Luzon** **Marylie Teresita G. Vergara** | DOST - PNRI
14:40 - 15:00	S2009	**Geochemical distribution of rare earth elements in alakline rocks host to Cu-Au deposits in Nueva Vizcaya, Luzon, Philippines** **Rene Juna R. Claveria** | Ateneo de Manila University
15:00 - 15:20	S2010	**Alteration Vectors to Ore Obtained from SWIR Spectroscopy Mapping at the Mankayan Lithocap, Benguet, Northern Luzon, Philippines** **Mary Grace Cubalan-Torres** | Lepanto Consolidated Mining Company
15:20 - 15:40	S2011	**Integrated SWIR Spectroscopy, Portable XRF, and Magnetic Susceptibility for Protolith Discrimination of Highly Silicified Rocks in San Luis, Cordon, Isabela** **Diester S. Balisto** | Cordillera Exploration Company
15:40 - 16:00	S2012	**In-situ alpha and beta decay dating by laser ablation ICP-MS/MS at DOST-PNRI: Method development, first results, and opportunities** **Americus dC Perez** | DOST - PNRI
16:00 - 16:20	S2013	**Cold and shallow: A look into the storage conditions of andesites and dacites in Sagñay, Camarines Sur, Bicol Arc** **Noel Patrick L. Soberano** | Partido State University

SESSION 4: GEOMORPHOLOGY AND SURFACE PROCESSES

16:20 - 16:40	S4018	**High-resolution active fault map of Davao del Norte based on aerial photographs and high-resolution Digital Elevation Models (DEM)** **Jonard Jhon S. Acid** | DOST - PHIVOLCS
16:40 - 17:00	S4019	**Controls on the Remobilization of Coastal Boulders in Pasuquin, Ilocos Norte, Philippines** **Jemimah Caryl C. Abalajon** | National Instiute of Geological Sciences - UP Diliman
17:00 - 17:20	S4020	**Evaluation of Optical, SAR, and Topographic Features for Lithological Classification Using Machine Learning** **Carleen Joy T. Gatdula** | DENR - Mines and Geosciences Bureau - Central

ORAL PRESENTATIONS

DAY 2 | DECEMBER 2 | WEDNESDAY

FUNCTION ROOM 2 | PARALLEL SESSION A

SESSION 5: GEOPHYSICS		
9:50 - 10:10	S5021	**Enhanced gravity data reveal polyphase tectonic deformation in Central Philippines** **Carla B. Dimalanta** | National Institute of Geological Scieneces - UP Diliman
10:10 - 10:30	S5022	**Geometry and mechanism of the offshore extension of the Bogo Bay Fault using earthquake analysis and seismic reflection imaging** **Abigail M. Manahan** | National Institute of Geological Scieneces - UP Diliman
10:30 - 10:50	S5023	**InSAR for Earthquake Source Characterization in the Philippines: Recent Applications and Challenges** **Deo Carlo E. Llamas** | DOST - PHIVOLCS
10:50 - 11:10	S5024	**From Signals to Alerts: A Future-Ready Multi-Sensor Framework for Philippine Volcano Monitoring** **Christian Joseph M. Clarito** | DOST - PHIVOLCS
11:10 - 11:30	S5025	**Linking Rainfall Microphysics to Landslide Triggering: Kinetic Energy and Drop-Size Variability** **Jonathan T. Macuroy** | University of the Philippines - Los Baños
11:30 - 11:50	S5026	**Geological Exploration through High-resolution Data-based 3D Digital Twins** **Emmanuel T. Ramos** | 3DGE / Tekton GeoMetrix, Inc.
SESSION 7: RESOURCES AND ENERGY		
13:00 - 13:20	S7033	**Rock strength characterization of seam roof through combined point load, tensile, and slake tests** **Jomark T. Abliter** | PNOC Exploration Corporation
13:20 - 13:40	S7034	**Structural Controls on Vein Segmentation and Fault Displacement of the Bibak-Bonanza Vein System, Maco Mine, Masara Gold District, Eastern Mindanao, Philippines** **Elaine Joyce P. Lopez** | Apex Mining Co., Inc.
13:40 - 14:20	S7035	**Revisiting the Batong-Buhay Copper-Gold Deposit** **Fernando G. Sajano** | Independent
14:00 - 14:20	S7036	**Cause-to-Cost Chaos: Nugget Effect Economics in a Cut-and-Fill Stoping Mine Operating Several Epithermal Vein Systems** **Kurt Linus Ljomir Z. Ursua** | Lepanto Consolidated Mining Company
14:20 - 14:40	S7037	**Technical and financial assessment of geologic hydrogen in Zambales, Philippines** **Candy Mariel Juego** | DOST - PNRI
14:40 - 15:00	S7038	**Evaluating Well Connectivity and Fluid Flow Paths in the Mak-Ban Geothermal Field Using Naphthalene Disulfonate Tracers: Preliminary Results of the 2026 Campaign** **John Paul A. Mendoza** | Philippine Geothermal Production Company, Inc.
15:00 - 15:20	S7039	**Overcoming Subsurface Challenges in Southeast Asian Geothermal Exploration: Integrated Workflows and Strategic De-risking** **Tito Satria Putra Perdana** | SLB
SESSION 9: GEOHERITAGE		
15:20 - 15:40	S9045	**A Geo-Bio-Cultural Landscape: Mount Apo's Journey Toward UNESCO Global Geopark (UGGp) Recognition** **Jeziah Shemer P. Raymundo** | DENR - Mt. Apo Natural Park
15:40 - 16:00	S9046	**Bahandi sa mga Lumad: Pusaka and Geoheritage Conservation in the Apo Sandawa Geopark** **Marjorie T. Rebuyon** | University of Southeastern Philippines
16:00 - 16:20	S9047	**Geodiversity Assessment of Siargao Island, Philippines: Implications for Geoheritage Sites Identification and Geotourism Potential** **Patrick Sam M. Buenavista** | Caraga State University
16:20 - 16:40	S9048	**Lihok Alang sa Naboc: Gold, Rivers, and Livelihoods - Unpacking the consequences of mining relocation in Diwalwal** **Dean Lester P. Rejas** | University of Southeastern Philippines

ORAL PRESENTATIONS

DAY 2 | DECEMBER 2 | WEDNESDAY

MEETING ROOM 4-5 | PARALLEL SESSION B

SESSION 6: GEOLOGICAL HAZARDS AND CLIMATE CHANGE		
9:50 - 10:10	S6027	**Searching for the 1976 Mw 8.1 Moro Gulf Tsunami Deposits: Approaches and Challenges** **Lyndon P. Nawanao, Jr.** | DOST - PHIVOLCS
10:10 - 10:30	S6028	**Coseismic coastal uplift and geologic impacts of the 8 June 2026 Mw7.8 Offshore Sarangani Earthquake, Philippines** **Kathleen L. Papiona** | DOST - PHIVOLCS
10:30 - 10:50	S6029	**A two-dimensional convolutional neural network approach to evaluating the spatial probability of landslide initiation** **Ace Matthew F. Cantillep** | DENR - Mines and Geosciences Bureau - Central
10:50 - 11:10	S6030	**Soil Texture–Based Parameterization for Slope Failure Modeling** **Jenielyn T. Padrones** | Institute of Renewable Natural Resources - UPLB
11:10 - 11:30	S6031	**Subsiding towns, potential unstable ground, and tectonic deformation in Luzon: results from regional InSAR time-series analysis of the LInOG Project** **John Dale Dianala** | National Instiute of Geological Sciences - UP Diliman
11:30 - 11:50	S6032	**The Evolving Role of Geoscience in Disaster Response, Recovery, and Rehabilitation: From Science to Action** **Aldrich Gerard C. Gatbunton** | DENR - Mines and Geosciences Bureau - Central
SESSION 8: ENVIRONMENTAL AND ENGINEERING GEOLOGY		
13:00 - 13:20	S8040	**Coseismic Coastal Subsidence and Ground Deformation in San Remigio, Northern Cebu: Structural, Geologic and Environmental Damages Caused by the 2025 M6.9 Earthquake** **Hernulfo B. Ruelo** | POEIL Engineering & Management Services
13:20 - 13:40	S8041	**Evaluating Level Interval Effects on Stope Stability in Narrow-Vein Mining: A Geotechnical Case Study from the Philsaga Co-O Mine Operation** **Ana Liza V. Alquizar** | Philsaga Mining Corporation
13:40 - 14:20	S8042	**Bridging the Lithologic Divide: An Integrated Soil-Rock Slope Stability Framework Combining Geomechanics, Engineering Geology, and Machine Learning** **Joemar A. Sedeño** | Partido State University
14:00 - 14:20	S8043	**Integrated Multimethod Verification of Cement Grouting Effectiveness Using Direct Testing Process Monitoring and Geophysical Imaging** **Abel Angel R. Ablang** | Santa Clara International Corporation
14:20 - 14:40	S8044	**From Core to Cloud: A Standards-Based Digital Workflow for Tailings Storage Facility Geotechnical Investigation** **Mary Ann D. Alamo** | GHD Pty Ltd.
SESSION 10: GEOSICENCE EDUCATION, COMMUNICATION, AND POLICY		
14:40 - 15:00	S1049	**How Can DRRM Interventions Be Sustained? Lessons from the Philippine Preparedness Partnership - Talagháy Framework** **Dainty Claire V. Rabang** | UP Resilience Institute
15:00 - 15:20	S1050	**Community Volcano Oral History of Babuyan Claro: Importance of local knowledge for hazards assessment and risk communication** **Ma. Mylene Martinez-Villegas** | DOST - PHIVOLCS
15:20 - 15:40	S1051	**Risk Perception and Disaster Response of Coastal Communities Affected by the June 08, 2026 Mw 7.8 Sarangani Earthquake** **Micko Chad Lee K. Palma** | National Institute of Geological Sciences - UP Diliman
15:40 - 16:00	S1052	**Bridging the Technical Divide: An Integrated Geological Modelling-to-Communication Workflow for Multi-Audience Outputs** **Angelica M. Ragot** | Global Geologica Pty Ltd.
16:00 - 16:20	S1053	**A Comparative Analysis of Philippine High School Geoscience Curriculum and the International Geoscience Syllabus: Toward a Proposed Action Plan** **Christopher Jan B. Landicho** | University of the Philippines Baguio
16:20 - 16:40	S1054	**Remembering the Past: Commemorating Significant Volcano, Earthquake, and Tsunami Events in the Philippines** **Kristine Dionne B. Lagunsad** | DOST - PHIVOLCS
16:40 - 17:00	S1055	**China's dominance in the critical mineral supply chain was not an accident: The West need to catch up and the Philippines need to know its place** **Heather Kim D. Pomeg-as** | Cordillera Exploration Co., Inc.

POSTER PRESENTATIONS

SESSION 1: TECTONICS AND VOLCANOLOGY			
P1001	Winchelle Ian G. Sevilla	DOST-PHIVOLCS	Rupture Characteristics and Seismogenic Structure of the Cotabato Trench from the 8 June 2026 Mw 7.8 Sarangani Earthquake
P1003	Marc Andrew P. Alvior	NIGS - UP Diliman	Morphotectonic Mapping of Potentially Active Submarine Features in the Sibuyan Sea
P1004	Aljhon Q. Marco	DOST-PHIVOLCS	Preliminary volcanic deposit mapping of the Davao del Sur and Cotabato sectors of Apo Volcano, Mindanao, Philippines: new evidence for past explosive eruptions
P1005	Lois Abigail C. Jumawan	DOST-PHIVOLCS	Seismo-acoustic Observations of the 2026 Mayon Volcano Eruption: Insights into Underlying Volcanic Processes
P1006	Jun D. Bonita	DOST-PHIVOLCS	Development of the DOST-PHIVOLCS Regional CMT Portal
SESSION 2: PETROLOGY AND GEOCHEMISTRY			
P2007	Bonjovi G.Verdejo	ParSU	Bulk geochemistry of depleted mantle peridotites from the late Jurassic Lagonoy ophiolite
P2008	Armani Yula V. Estanislao	DENR - MGB Central	Revisiting the Pleistocene Volcanism in Central Negros: The Proposed Irene Volcanics
P2009	Loyd John M.Gonzales	CarSU	Petrography and Geochemistry of Cenozoic Clastic Sedimentary Rocks of Adgaoan Formation, Caraga, Philippines: Constraints on Provenance and Tectonic Setting
P2010	Azriel Karl M. Fabito	CEXCI	Petrographic Assessment of the San Luis Prospect, Cordon, Isabela: Implications for Alkalic Porphyry Cu-Au Prospectivity
P2011	Angel, T. Bautista	DOST-PNRI	ICP-MS/MS Capacity for Critical Mineral Characterization in the Philippines: Validation Using Geochemical Reference Materials
P2012	Leanne Yzabelle S. Panganiban	DOST-PHIVOLCS	Geochemical Characterization of Thermal Springs in Cagua Volcano: Fluid Types, Reservoir Conditions, and Evidence of Magmatic Contribution
P2013	Rejie A. Villalon	NorSU	Magmatic Arc Rocks of South-Central Negros: Petrography of Volcanic Rocks along the Bais - Mabinay Transect, Negros Oriental
P2014	Julian Balorio	USeP	Unraveling Apo's Magmatic Heritage: Petrographic and Geochemical Evidence from Mt. Talomo
P2015	Alexa Jen O. Tura	CarSU	Petrological Analysis of the Crustal Rocks of the Dinagat Ophiolite: Insights Into the Tectonic Affinity of the Dinagat Islands, Philippines
P2016	Romel Angelo T. Picazo	USeP	Geochemical Characterization and Alteration Zone Discrimination Using Portable X-Ray Fluorescence and Multivariate Statistical Methods
SESSION 3: STRATIGRAPHY AND PALEONTOLOGY			
P3017	Miguel Joven E. Villanueva	NIGS - UP Diliman	Pleistocene Bovid Dental Fossils from La Union, Luzon, Philippines
P3018	Vince Gio M. Dela Cena	CarSU	The First Report of Fossil Fish Otolith Assemblage from the Adgaoan Formation, Agusan del Norte, Mindanao
P3019	Kirsty Mary D. Camba	NIGS - UP Diliman	Calcareous Nannofossil Biostratigraphy and Stratigraphic Correlation of Late Neogene to Early Quaternary Successions in La Union, Northwestern Philippines
P3020	Raphael Francis E. Dequilla	NIGS - UP Diliman	Traces of Predatory and Boring Activity on Fossil Molluscs from the Cabatuan Formation, Iloilo, Philippines
P3021	John Paul S. Germita	NorSU	Microfacies Characteristics of the Shallow Marine Carbonates in South-Central and Southern Negros Island
P3022	Toby L. Vergara	NIGS - UP Diliman	Fossil Ostracods from the Pliocene Tartaro Formation, San Miguel, Bulacan, Philippines: Preliminary Taxonomic and Paleoecological Assessment
SESSION 4: GEOMORPHOLOGY AND SURFACE PROCESSES			
P4023	Rafael I. Gaite	NIGS - UP Diliman	Controls on the distribution and morphology of fluvial terraces in Ilocos Norte, Philippines
P4024	Benaiah John A. De Galicia	BatSU	Morphometric Controls on Flood Susceptibility in the Lobo River Basin, Batangas: Assessing Basin Dynamics and Hydraulic Responses
P4025	Ma. Argelyn A. Matulac	CarSU	Morphological Characterization of the Uplifted Marine Terraces in Siargao Islands, Philippines: Implications on Long-term Tectonic Deformation and Sea-level Changes
P4026	Chester Lloyd, R. Lomboy	DOST-PHIVOLCS	Investigating rupture history and characteristics of the Tangbulan Fault in Davao del Sur using fault scarp morphology
SESSION 5: GEOPHYSICS			
P5027	Trisha Nicole Y. Paradeza	Global Geologica Pty Ltd	Unlocking the Value of Historical Magnetic Datasets Using Magnetisation Vector Inversion (MVI) for Mineral Exploration Targeting
P5028	Armando Salvador M. Bambao	NIGS - UP Diliman	Mechanical controls on seismicity in the Manila subduction zone: Insights from flexural and buoyancy Modeling
P5029	Denise L. Salazar	NIGS - UP Diliman	Near-Surface Signatures of the Central and North Marinduque Faults Revealed by Ground-Penetrating Radar and Their Associated Geohazards
P5030	Maui C. Apundar	NIGS - UP Diliman	Multi-Scale Geophysical and Morphometric Investigation of the Potential Northwest Prolongation of the Central Marinduque Fault
P5031	Ric L. Tura, Jr.	AdDU	Weighted Geometric Estimation of Earthquake Epicenter from Intensity Data with Parameter Isolation
P5032	Fermo, Dan Gil, Songco	DOST-PHIVOLCS	From SPECFEM3D-Simulated Topographic Amplification to Deep Learning Models: A Case Study of the Terrain in Abra, Philippines
P5033	Paul Caesar M. Flores	JAMSTEC	Support vector classification of 2D seismic reflection profiles in Nankai Trough shows association between sediment input, wedge geometry, and physical property changes

POSTER PRESENTATIONS

SESSION 6: GEOLOGICAL HAZARDS AND CLIMATE CHANGE			
P6034	**Danaxiane V. Marpuri**	NIGS - UP Diliman	**Evaluating the Performance of the Nowcasting Method for Recent Strong to Major Earthquakes in the Philippines**
P6035	**John Carlos C. Paler**	CarSU	**Insights into Causative Factors of Earthquake-Induced Landslides through an Integrated Weights of Evidence and Analytical Hierarchy Process Approach**
P6036	**Marlon Suelto**	UP Mindanao	**Runoff Retention Capacity of Tropical Watershed: Implications for Ecosystem-Based Disaster Risk Reduction and Climate Adaptation Strategies**
P6037	**Mabelline T. Cahulogan**	DOST-PHIVOLCS	**Hierarchical Multi-Hazard Index for Cumulative Hazard Assessment: Integrating Hazard Susceptibilities and Amplification**
P6038	**Ken Adrian C. Villarias**	DOST-PHIVOLCS	**From orbit to ground: Rapid multi-scale surveys and validation of earthquake-induced landslide inventories following the Mw7.8 Offshore Sarangani earthquake**
P6039	**Rhommel N. Grutas**	DOST-PHIVOLCS	**Physics-based 3D Simulation of the 2025 Mw 6.9 Offshore Bogo, Cebu Earthquake**
P6040	**Alfred Louie L. Panganiban**	DENR-MGB Central	**Landslide Detection using Satellite Imagery and Computer Vision: Case studies in New Bataan, Davao de Oro and Divilacan, Isabela, Philippines**
P6041	**Kryzell M. Carmona**	DOST-PHIVOLCS	**Preliminary Characterization of Potential Extreme Wave Deposits in Maguindanao del Norte and Sultan Kudarat, Philippines**
SESSION 7: RESOURCES AND ENERGY			
P7042	**Carl Reiner T. Padua**	DENR-MGB Central	**Critical Mineral Exploration of the Volcanogenic Massive Sulfide (VMS) Deposits in the San Ramon–Pusod Magurang–Sagrada (SRPMS) Area, Tinambac, Camarines Sur**
P7043	**Mark B. Sumaden**	NIGS - UP Diliman	**Mineralogy and Sulfur Isotope Geochemistry of the Fatima Epithermal System, Mankayan Mineral District, Luzon, Philippines**
P7044	**Bernadette M. Buladaco**	DENR-MGB Central	**Data-Driven Prospectivity Mapping for Vectoring Hydrothermal Mineralization Targets in Basay, Negros Oriental**
P7045	**Ernest Magier A. Bactol**	LCMC	**A Drillhole-Channel Integrated Geochemical Workflow for Grade Control Drilling: A Case Study**
P7046	**Ivy Faith P. Resmilla**	CarSU	**Petrographic Characterization of the Shallow Portion of the Mayag Porphyry Copper Prospect, Sison, Surigao del Norte, Philippines**
P7047	**Moreen Ashlei Lacsamana**	NIGS - UP Diliman	**Copper and gold mineralization in the stockwork veins of Drillhole CDH-61 from the Guinaoang porphyry deposit, Mankayan Mineral District, Benguet, Philippines**
P7048	**Joana Marie A. Arinza**	AAMRC	**Beyond the Magnetic Core: A Case Study of Magnetic Susceptibility Variability Across Hydrothermal Alteration Zones in the Amacan Porphyry Copper Deposit, Philippines**
P7049	**Rajas Athale**	SLB	**Integrating Generative AI and auto-Depth Conversion for Detailed Geothermal Well Prognosis**
SESSION 8: ENVIRONMENTAL AND ENGINEERING GEOLOGY			
P8050	**Den Gerald G.Aguillon**	CarSU	**Saltwater Intrusion Assessment in the Coastal Aquifers of Butuan City, Philippines**
P8051	**Kenny Lyne Tabayocyoc**	GHD	**Integrated Groundwater Drawdown and Settlement Assessment for Dewatering of Urban Wastewater Infrastructure**
P8052	**Julius Edward G. Gabi**	GHD	**Engineering Geological Root-Cause Assessment of Erosion and Infrastructure Distress on Lahar-Dominated Terrain**
P8053	**Yvonne , T. Olayvar**	CarSU	**Groundwater Potential Zone Mapping and Water Quality Assessment in Butuan City, Philippines, for Sustainable Groundwater Management**
P8054	**Lucky Jheo S. Espiritu**	BatSU	**Integrated Geotechnical Characterization and Seismic Evaluation of the Minor Basilica of St. Martin of Tours (Taal Basilica), Taal, Batangas**
P8055	**Devhynne Kate G. Ocampo**	USeP	**Heavy Metal Distribution in the Estuarine Floodplain of Hijo River, Tagum City: Geoaccumulation Assessment, PCA-PMF-Based Source Apportionment, Hydrologic Modeling, And Ecological Risk Analysis**
P8056	**Roel C. Velina**	UPLB	**Comparative Evaluation of Statistical and Machine Learning Models for Predicting Soil Liquid Limit Using Physical Soil Properties**
P1002	**Jayson Gabriel D. Pinza**	U. of Antwerp	**Nature-based solutions in a shallow water table environment: Seasonal groundwater balances of adjustable weir management in open ditch**
SESSION 9: GEOSCIENCE EDUCATION, COMMUNICATION, AND POLICY			
P9057	**Kurt C. Cabalhin**	Caraga State University	**Translating Geologic Information to Local Community Understanding: Insights from Caraga State University Local Geohazard IEC/CEPA Campaigns**
P9058	**Josie Mae Ajero**	Laniakea Ventures	**Mo: how science fair service providers (SFSPs) bring geology to schools and grassroots communities**
P9059	**Paul Christian B. Yang-ed**	Laniakea Ventures	**Characterizing the historical evolution of Earth Science competencies in the Philippine elementary and high school curricula from 1986 to 2025 through a multiple lens evaluation model and text mining**
P9060	**Jana Marie Dasalla**	DOST-PHIVOLCS	**Tsunami Risk Perception and Response During the 10 October 2025 Magnitude (Mw) 7.4 and (Mw) 6.8 Offshore Davao Oriental Earthquakes**

DRESS CODE



DAY 1
*highly encouraged

Filipiniana & Barong



DAY 2

Business Casual

PRESENTATION AWARDS

BEST ORAL PRESENTERS



PhP 30,000



PhP 20,000



PhP 10,000

BEST POSTER PRESENTERS



PhP 10,000



PhP 7,000



PhP 5,000

All awardees will receive plaques and cash prizes.

DAVAO CITY TOUR 2026 TRAVEL ITINERARY
3 December 2026

4.5 CPD POINTS

Explore the modern marvels and natural wonders of Davao City

1 DAVAO CITY BYPASS TUNNEL





2 MALAGOS GARDEN RESORT

PHILIPPINE EAGLE CENTER 3





4 NATIONAL MUSEUM OF THE PHILIPPINES – DAVAO

GEOTOUR 2026 TRAVEL ITINERARY

3 Days in Southern Mindanao
3-5 December 2026

DAY - 01 *Davao de Oro → Davao Oriental*



Stop 1: Kingking porphyry copper-gold deposit
Stop 2: Banaybanay magnesite
Stop 3: Dawan pillow basalts, cherts and mudstones
Stop 4: Sleeping Dinosaur



DAY - 02 *Davao Oriental*

Stop 5: Punta Abijod metamorphic rocks
Stop 6: La Union clastic rocks
Stop 7: Mt. Hamiguitan Natural Science Museum

6-hour travel time from
San Isidro, Davao Oriental
to Kidapawan City, Cotabato



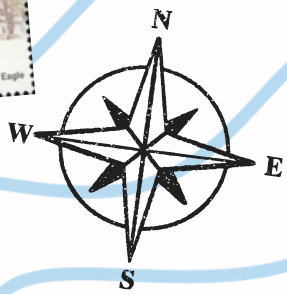
DAY - 03 *Cotabato*

Stop 8: Lake Agco
Stop 9: Mandarangan Solfatara
Stop 10: Mt. Apo Geothermal Production Field
Stop 11: Mt. Apo Geopark Museum
Bonus Stop: Pilan River Columnar Basaltic Andesites



Resource Speakers:

Dr. Fernando Sajona
Ciceron Angeles, Jr.
Michael Angelo Tan (KMC)
Demi Isabella Abaniel (EDC)
Clint Michael Cleofe (MANP-PAMO)
Allan Lintuan (Mt. Hamiguitan Natural Science Museum)



MT APO HIKE 2026
5-6 December 2026

7.0 CPD POINTS

Take the ultimate geological adventure - an ascent to the summits of Mt. Apo!



SEVEN PEAKS. ONE MT. APO.

Push beyond the ordinary and take on the mountain one summit at a time.
See firsthand the peaks which are considered home to the seven gods and goddesses of Mt. Apo: Baye't Pande (goddess of wisdom), Apo Manama (god of love), Apo Matulos (pantheon leader of the Bagobo Tagabawa), Apo Taragume (god of water), Apo Mandarangan (god of bravery), Apo Manunggod (god of giving), and Apo Anito (god of healing).

Experience the geological wonder of Mt. Apo, including the Mt. Apo Geopark geosites: Mother Peak, Digos City Peak, Baby Apo, Boulders, Solfatara, Collapsed solfatara, White Sand E-camp, and Old Apo Crater Lake.

MT. APO HIKE NOTES!

Flight:	It is advised not to book flights out of Davao City on the evening of December 6 in case of travel delays.
Pack light:	Up to 8kg of personal effects are allowed for porterage. Any excess weight for porterage at participant's expense.
Health:	A "Fit to Hike" medical certificate is strictly required.
Sampling:	Any kind of sampling is STRICTLY PROHIBITED. The mountain is sacred to the Lumads.
Bathing:	No hot water available for bathing at the campsites.

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GSP EXCELLENCE AWARDEES 2026



DR. ROGELIO G. LARAYA
Local Industry Practice



DR. ALLAN GIL S. FERNANDO
Academe/Applied Research and Development



MR. EDWIN G. DOMINGO, MEngg
Government Service



MR. ALBERTO P. MORILLO *(posthumous)*
Williams-Feliciano Service Award

GEOCON 2026
BRIDGING REGIONS, ADVANCING GEOSCIENCE

EXHIBIT BOOTHS OPEN
for STUDENTS!

FREE ADMISSION

OPEN ACCESS HOURS

DECEMBER 1-2, 2026

8:00 - 10:00 AM

2:00 - 4:00 PM

ONLY

ADVANCE REGISTRATION

Deadline: Nov. 30, 11:59PM

NO WALK-INS ALLOWED

GUESTS MUST STRICTLY ABIDE BY THE FOLLOWING RULES:

- Entry is permitted **ONLY** between 8-10AM and 2-4PM.
- Guests are **STRICTLY PROHIBITED** from entering Function Room 2 and meeting rooms. **Access is limited exclusively to the designated Exhibit Area (Function Room 3).**
- **REGISTRATION** via Google Form (scan QR) is **MANDATORY. NO WALK-INS ALLOWED.**
- Get access materials from the **GSP REGISTRATION BOOTH** before entering the Exhibit Booth Area. **NO STICKER ID FROM GSP, NO ENTRY.**

Free admission does not include access to meals, conference kits, or other benefits reserved for paying participants. We kindly ask everyone to respect these limitations. Organizers reserve the right to deny entry to, or ask non-compliant visitors to leave restricted areas or the venue.

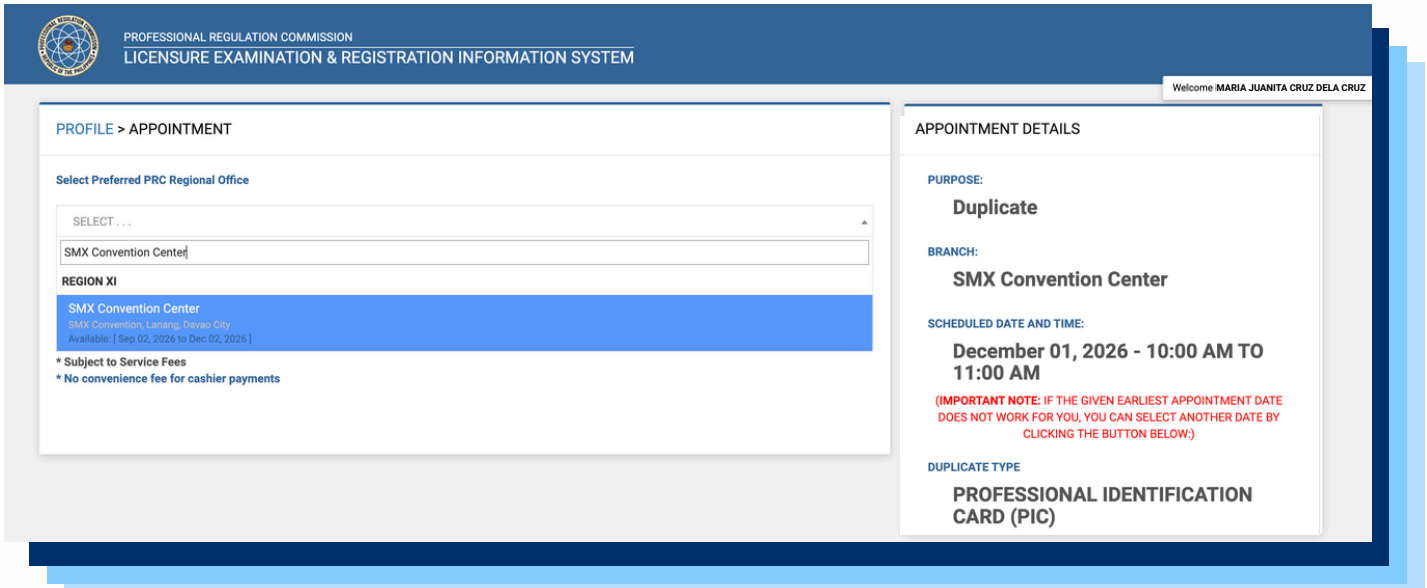
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- AUTHENTICATION OF PRC ID

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November 2026

MERCHANDISE

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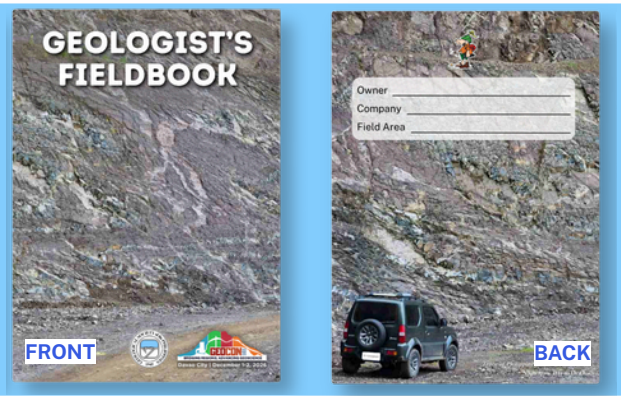
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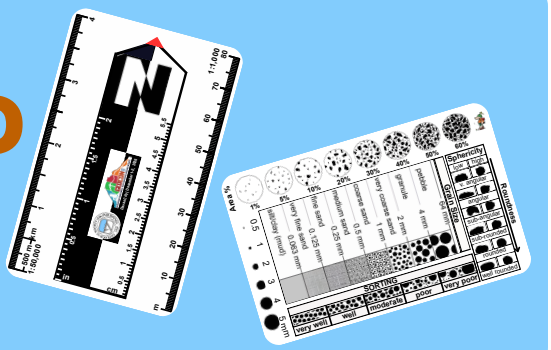
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GEOLOGICAL SOCIETY OF THE PHILIPPINES

FOURTH CONFERENCE CIRCULAR
NOVEMBER 2026

GEOCON 2026

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December 1-2, 2026 | SMX Lanang, Davao City

15.5 CPD pts

for ONSITE & ONLINE PARTICIPATION

+ CPD pts to presenters, moderators, and organizers

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