

## Title of DMP Policy paper

### Graduates of 2024-2025

Name	Title
Elisabet Anggun Pramesthi	Establishment of an Appropriate Velocity Model in West Java to Improve the Accuracy of Automatic Hypocenter Determination in Seismic Processing Systems
Hadi Nur Rohman	Site Effect Study Using Strong Motion Record of 2022 Cianjur Earthquake and Surrounding Earthquakes
Luis Eduardo Cortez Hernandez	Hazard Assessment Through Site Characterization and Strong Motion Simulation Toward Disaster Mitigation in Acajutla, El Salvador
Manuel Sien Ivan Espiritu	Study of the 2023 Davao de Oro Earthquake Series Using Machine Learning
Molina Montero Noelia de los Angeles	Geodetic Deformation of Fuego Volcano Through Geospatial Data from 2015 to 2025
Edward Stanley Quintanilla Martinez	Study on Seismic Evaluation and Retrofitting of a Five-Story Reinforced Concrete Building in El Salvador
Haque Mahmud Ul	Seismic Evaluation & Retrofit of a Five-Storeyed Reinforced Concrete Building in Bangladesh
Robin Md Ilias	Comparative Study of Dynamic Behavior and Life Cycle Cost Between Fixed-Base and Seismically Isolated Irregular Structures in Bangladesh
Siddiqui Md Shariar	Seismic Performance Evaluation of a Typical Reinforced Concrete Building in Dhaka, Bangladesh, with Proposed Design Modifications for Enhanced Performance
Van de Velde Blandon German Jose	Dynamic Behavior Considering Soil-Structure Interaction of a Wharf at Corinto Port, Chinandega, Nicaragua
Akbar Rian Setyahagi	Probabilistic Tsunami Hazard Assessment Based on the Gutenberg–Richter Law in Mentawai Subduction Zone
Espinoza Hernandez Kristel Paola	Agent-Based Simulation of Tsunami Evacuation Using Public Buses in Puntarenas, Costa Rica
Badua Dean Aldrene Omo	Assessing Climate Change Impacts on River Hydrology and Dam Operational Responses for Disaster Risk Reduction Policy in the Philippines: The Case of Agno River Basin
Bautista Mejia Jhon Alex	Sediment Transport and the Associated Hazards in Arid River Basins: A Case Study of the Chancay Huaral River Basin, Peru
Farukuzzaman	Numerical Study on Sediment Transport Processes and Associated Morphological Changes of the Teesta River, Bangladesh
Lenora Robolge Ushali Hasinika	Development of Evidence-Based Land Use Policy Associated with Extreme Floods Under Climate Change in the Bolgoda Basin, Sri Lanka
Pinto Fernandes Flaviana	Probabilistic Flood Forecasting and Early Warning Information Using Ensemble Techniques and Hydrological Model Simulations for the Comoro River Basin and Urban Area of Dili City, Timor-Leste
Ramirez Gonzalez Nina Danae	Suggestion of Effective Countermeasures Based on Flood Impact Assessment Under Climate Change in the Jamapa River Basin, Mexico
Vidal Moreno James Dean	Enhancing Early Flood Warning in the Piura River Basin Through a Hybrid Approach Using Deep Learning

## Graduates of 2023-2024

Name	Title
Abbouda Moustafa	Present-Day Stress Field and Tectonic Regime in Algeria from Inversions of Earthquake Focal Mechanisms
Brilian Tatag Samapta	Enhanced Earthquake Phase Pickers in Indonesia: Evaluation and Refinement of Machine Learning Models
Fadly Yusuf	Enhancing Indonesia's Tsunami Early Warning System Using W Phase Inversion
Omar Anthony Madrid Madrid	Estimation of VS30 Distribution in the Metropolitan Area of San Salvador
Charyyev Perhat	Seismic Safety Evaluation of Reinforced Concrete Tunnel Form Residential Buildings in Turkmenistan
Eyupgiller Mustafa Mert	Seismic Fragility Evaluation of Mid-Rise Rc Structures Including Soil-Structure Interaction
Haouas Islam	Vibration-Based Technique and Artificial Intelligence for Structural Damage Detection
Jaramillo Del Aguila Joseph Darwin	Wavelet-Hilbert Transform-Based Approach for Building Capacity Curve Estimation in Structural Health Monitoring
Jose Ricardo Ulloa Umanzor	Seismic Evaluation and Retrofitting Proposal of Reinforced Concrete School Building in El Salvador
Mohamad Hazwan Bin Zahari	Seismic Fragility Evaluation of Typical Reinforced Concrete School Building in Malaysia
Fajar Tri Haryanto	Effectiveness of Tsunami Temporary Evacuation Sites (Tes) in Pangandaran Village Using Agent-Based Modeling
Ponce Engracio Jr. Carpio	Study on the Stability of Seawall/ Embankment in Sultan Kudarat Against Historical Large Tsunami in the Philippines
Sesar Prabu Dwi Sriyanto	High-Resolution Tsunami Inundation Prediction Using Machine Learning Techniques
Abdul Samad Mohamed Ziyath	A Study on the Implementation of the Un Early Warning for All Initiative: A Case Study in the Kattankudy Urban Council Area in Batticaloa District, Sri Lanka
Caballero Figueroa Eduardo Jose	Structural Countermeasures Proposal for Flood Disaster Management in the Sula Valley, Honduras
Din Salah Ud	Hydro-Climatological Assessment in the Ungauged Cryosphere of the Kurram River Basin, Pakistan
El Hamri Fatima Ezzahra	Flash Floods in Wadi Systems and Their Impact on Infrastructure a Case Study of the Upper Draa Wadi System in Morocco
Jayawardhana Mudiyansele Madhura Bandara Jayawardhana	Assessment of Climate Change Impacts on Extreme Floods and Land Development in the Kelani River Basin, Sri Lanka
Kachigwada Ephod	A Numerical Study on Rainfall-Induced Landslides and Debris Flow Hazards in Nkhulambe Catchment Area
Longwe Faith Sekani	Analysis of Effective Flood Mitigation Measures in the Lower Shire River Basin, Malawi
Markandu Mauran	Investigation of River-Lagoon-Flood Nexus Under Climate Change: The Case of Batticaloa Lagoon and Connected River System, Sri Lanka
Maskay Samuel Gat-onen	Integrated Flood Risk Analysis for Riverine Community in Chico River Basin, Mountain Province, Philippines
Nkhata Romatchinga	Assessment of Climate Change Impacts on Extreme Floods in Ruo River Basin, Malawi
Tabassum Khoshnoor	Numerical Analysis of Flow Pattern and Morphological Changes in Tidal Reach of Sangu River, Bangladesh

Tanjung Luthfi Azizah	Investigating the Effectiveness of the Present & Future Flood Management Approaches in an Interbasin River Network: The Case of Seluna River System, Indonesia
Teles Fernandes Simao	Impact of Climate Change on Flooding in the Comoro River Basin Dili, Timor-Leste

## Graduates of 2022-2023

Name	Title
Hany Abuelnaga Amen Adam	Estimation of Crustal Structure in Northern Egypt Using Broadband Seismic Ambient Noise 5–50 s
Ibrahim Ahmed Yousef Mohammed Shalaby	Ground Motion Simulation of a Significant Earthquake in Egypt
Mariama Madi	Determination of Hypocenters and Magnitudes of Local Earthquakes Around Comoros
Sawi Paulo Pangan	Machine-Learning-Based Phase Picker: Analyzing the Temporal and Spatial Changes of the October 2019 Cotabato and December 2019 Davao Del Sur Earthquakes
Faiz Sulthan	Seismic Fragility Analysis of Fixed and Isolated Base Reinforced Concrete Building Structures in Indonesia
Nur Shajihan Binti Mohamed Iqbal	Soil Type Dependency on the Seismic Performance of RC Precast Government Residential Building
Nurul Nasuha Binti Md Zin	Seismic Performance Evaluation of a Hybrid RC Frame–Precast Wall Building in Malaysia
Nurul Zawani Binti Hamidon	Seismic Performance of Precast Reinforced Concrete Beam-to-Column Connection
Tshering Dendup	Comparative Study on the Seismic Performances of Typical RC Residential Buildings Designed with Old and New Indian Codes in Bhutan
Chodavarapu Patanjali Kumar	Rapid Determination of Tsunamigenic Source Parameters and Realtime Inundation Modelling for Tews
Hani Saber Abdelsalam Farag Elbehiri	Rapid Determination of Earthquake Source Parameters for Tsunami Early Warning System for Egypt
Lesikikabara Koroï	Enhancing Tsunami Early Warning System in Fiji Using Tsunami Database
Malodali Joji Sakaraia	Tsunami Propagation and Inundation Simulations in Fiji Based on Scenario Earthquakes
Muhammad Harvan	Real-Time Tsunami Inundation Forecasting for Mentawai Islands, Indonesia
Abbas Muhammad Yawar	Study of Morphological Changes and Effective Countermeasures by Using Spur Dike for River Management: A Case Study at Indus River Skardu Gilgit-Baltistan
Amaral Soares Ligia Mediadora	Flood Inundation Analysis in Laclo River Basin Manatuto Municipality, Timor Leste for Effective Countermeasures
Chu Lady Ella Curada	Climate and Disaster Risk Assessment Using Hydrological Modeling and Frequency Analysis Approaches for Municipalities in the Tago River Basin, Philippines
Farooq Muhammad	Intercomparison of Climate Change Impact on Rainfall Characteristics and Flood Mitigation Strategies in Four Major River Basins of Pakistan
Frigillana Horace Hogan Castaneda	Inundation Processes of Flood Flow with Sediment Transportation in the Agno River Middle Stream, Philippines
Jayathilaka Ralapahana Mudalige Charya Prabodha Sri	Design of Adaptation Measures Based on the Assessment of Climate Change Impacts on Extreme Floods in the Attanagalu Oya Basin, Sri Lanka
Lusabia John Paul Luching	Socio-Economic Impact Assessment of Flood Disasters Using Hydrological Modeling in the Panay River Basin, Philippines

Orogo Allen Buendia	Basin-Wide Flood Forecasting with NWP Models' Rainfall Forecasts for the Interaction of Tropical Cyclone-Monsoon Events in the Bicol River Basin
Pema Cheda	Development of Flood Risk Mitigation Strategies Considering Climate Change Impact in the Paro River Basin, Bhutan
Ranapura Dewage Thilini Kaushalya	Development of an Integrated Water Resources Management Plan Incorporating the Climate Change Impact on the Malwathu Oya Basin, Sri Lanka
Ugyen Phuntsho	Basin-Scale Sediment Transport for Sustainable Sand Mining: A Case Study in Punatshangchhu Basin, Bhutan
Youssfi Housem	Assessing Flood Risk Under Climate Change by Downscaling the Majerda River Basin Scale to a Municipality Scale in Bou Salem, Tunisia

## Graduates of 2021-2022

Name	Title
Aldilla Damayanti Purnama Ratri	Source Modeling of the 2018 Lombok Earthquake Sequence Estimated from the Empirical Green's Function Method
Angga Wijaya	Development of an Earthquake Early Warning Systems in the Western Part of Java Using a Strong Motion Network
Kevyn Enrique Pineda Ortiz	S-Wave Velocities Estimation Using Seismic Ambient Noise Analysis at San Miguel Volcano, El Salvador
Saula Mule	Determination of Moment Tensor Solution in the Fiji Region Using the Waveform Inversion Technique
Tom Carlo E. Simborio	Strong Ground Motion Simulation of the 2020 Masbate, Philippines Earthquake (Mw6.6) Using Empirical Green's Function Method
Wahyudi Nasrul Pratama	Stress Field Orientation Obtained from Earthquake Focal Mechanisms in Indonesia Region
Nassim Ait Ali Slimane	Comparison of Retrofitting Methods on an Existing Residential RC Building in Algeria, Heavily Damaged by the 2003 Boumerdes Earthquake
Jean Cueva	Estimation of the Equivalent Damping Ratio for Low Energy Dissipation Systems Under Mainshock-Aftershock Sequences to Determine the Damage Level
Vitoria Maria de Lillia da Costa Oliveira	Probabilistic Seismic Hazard Assessment of Timor-Leste
Eugenia Campos	Seismic Evaluation of Reinforced Concrete Buildings in San Salvador, El Salvador; Considering the Latest Seismic Hazard Analysis
Benjamin Osei Fordjour	Microzonation Map of Seismic Site Condition and Amplification of Greater Accra Region, Ghana
Kunzang Tenzin	Dynamic Behavior of Traditional Composite Masonry Buildings in Bhutan
Victorina Stephanie Nodis Leger	Structural Performance Evaluation of Cyclone Resilient Houses Damaged Due to Tsunami After the January 2022 Hunga Tonga - Hunga Ha'Apai Volcanic Eruption
Mele Siale Manu	Fragility Evaluation of Building Structures Based on Damage Survey Results of Tsunami Disaster from Hunga Tonga – Hunga Ha'Apai Volcano Eruption on 15 January 2022
Indrajit Kumar Paul	Seismic Performance Evaluation of Typical Residential RC Buildings at Different Soil Types with Seismic Zones in Bangladesh
Aziz Widiarso	Rapid Magnitude Estimation Using Local Earthquake Waveform Data and the Application to Earthquakes in Indonesia Including the 2010 Mentawai Tsunami Earthquake
Sidiq Hargo Pandadaran	Solving the Puzzle of the 1996 Biak, Indonesia Tsunami
Yogha Mahardikha Kuncoro Putra	Slip Distribution of the 2006 West Java Earthquake by Inversion of Tide Gauge Data Using Phase-Corrected Green's Functions

Hafizh Abdul	Assessment of Flood Risk and Impact Based Early Warning System in the Cidurian River Basin, Indonesia
Ailene R. Abelardo	Improvement of Flood Forecasting for Strengthening Flood Resilience in the Agno River Basin
Alam Md Shariful	Numerical Study to Predict Sediment Runoff Process in the Matamuhuri River Basin, Bangladesh
Erwin Rafael De Ocampo Cabral	Climate Change and Urbanization Impact Assessment on Inundation Characteristics of Laguna De Bay Basin
Hasan Md Khairul	Development of an Integrated Water Resources Management Plan for the Sangu River Basin Under Climate Change
Ibra Lebbe Ziyaroun	Creating an Effective Flood Management Plan to Improve the Standard of Living Within the Mudun Ela Basin, Sri Lanka
Suresh Khadka	Analysis of Watercourse Change During Alluvial Fan Formation and Countermeasure for Stabilization of Channel Flow in Karnali River, Nepal
Megnath Neopaney	Assessment of Climate Change Impacts on Extreme Floods in the Chamkharchu Sub-Basin, Bhutan
Hanke Titus Lloyd Ndau	Modeling the Impact of Land Cover Change on Flood Risk in the Lower Shire River Basin, Malawi
Aruna Samarathunga	A Study on Climate Change Impacts on Extreme Rainfall and Flood Events in the Kalu River Basin, Sri Lanka
Raja Noraini binti Raja Yusof	Critical Rainfall Conditions for Landslides Occurrences to Develop Warning System in Cameron Highlands, Pahang, Malaysia
Sandrasegaram Nerojan	Development of Integrated Water Resources Management for Eastern Dry Zone in Sri Lanka Under Changing Climate: The Case of Mundeni, Magalawaduwan, and Andellaoya River Basins
Siti Adabiyah binti Sulaiman	Prediction of Sediment Transport Processes in the Upper Kinta River Basin, Malaysia

## Graduates of 2020-2021

Name	Title
Abdul Rosid	Complex Behavior in the Source Process of the 18 August 2020, Bengkulu, Southwest of Sumatra Doublet Earthquake
Da Silva Almeida Geovanio Pedro	Hypocenter Determination of Local Earthquakes Using Data from Local Stations in and around Timor Leste
Penisoni Mafoa Latu	Determination of Focal Mechanism of the Tonga-Fiji Earthquakes with a Sparse Regional Seismic Network
Monica Beatriz Olivar Amaya	Site Effects Estimation from Strong Ground Motion and Microtremor Records around the City of Tsukuba
Nityam Nepal	Geophysical Prospecting Using Microtremors to Estimate 1-D Shallow Shear Wave Velocity Profiles in Thimphu, Bhutan
Oestar Joel Selvio	Estimation of Source, Propagation, and Site Amplification Factors Using Broadband Seismic Data in the Philippines
Yadav Lal Bhattarai	The Simplified Seismic Performance Evaluation of the Stone Masonry Houses and Seismic Band's Effects to Prevent the Seismic Failure
Dey Bidhan Chandra	Seismic Evaluation Considering Infill Wall and Retrofit of a Five Storied Rc Building in Bangladesh
Warah Md. Ibnul	Seismic Performance Evaluation of a Rc Building With Masonry Infill Designed by Previous Seismic Code in Bangladesh
Mohd Assyarul Bin Saadun	Fragility Evaluation of Typical Rc Government Quarters Buildings Designed by BS 8110 in Sabah, Malaysia

Susan Ivania Duran Saravia	Basic Study on the Development of Design Code for Seismically Isolated Buildings in El Salvador
Syuhaida Binti Suaib	Seismic Performance Evaluation for Health Facilities (Clinic) in Malaysia
Tatapu Carlos	Tsunami Simulation and Hazard Assessment for Megathrust Earthquakes Along the Coasts of the Solomon Islands
Pulido Iparraguirre Geronimo	Developing Tsunami Fragility Functions Using Numerical Modeling and Remote Sensing Data from the 2010 Chile Tsunami
Kian Purna Sinki	Numerical Simulations of the 1992 Flores Tsunami Using Earthquake Fault and Landslide Models
Ahmed Farzana	Study on the Morphological Characteristics of Dawki-Piyan River System in Bangladesh
Aye Mon Khaing	Method for Predicting the Sediment Runoff Process Due to Heavy Rainfall in the Yazagyo Reservoir Basin, Myanmar
Jamyang Zangpo	Impact Assessment on Extreme Floods Due to Climate and Social Changes in the Amochu Basin, Bhutan
Kowlessar Akshay Prakash	A Study on an Integrated Water Resources Management Plan under Climate Change for Grand River North West River Basin, Mauritius
Nedrup Tshewang	Assessment of Integrated Water Resources Management under Climate Change in Wangchu Basin, Bhutan
Norain Binti Osman	Flood Damage Inspection Method for Public Buildings in Malaysia
Aho Tevita	Impact of Climate Change, Sea-Level Rise in Tongatapu, Ha’Apai and Its Effects on Livelihood

## Graduates of 2019-2020

Name	Title
Ardian Yudhi Octantyo	Strong Ground Motion Simulation of the 2019 Java, Indonesia, Earthquake (Mw 6.9) Using Empirical Green’S Function Method
Dagzinmaa Lkhagva	Spg Waves Observed for the 2012 Bayanbulag Earthquake
Gino Steven González Ilama	A New Pathway to Untangle the Question: Was the Volcanic Eruption Triggered by the Earthquake?
Bryan Austria Nadimpally	Application of Seismic Interferometry to Broadband Ambient Noise Recordings in and around the Philippines Islands
Nathalie Yoliana Chavarria Esquivel	Strong Motion Estimation in Costa Rica at Specific Sites Using Spectral Inversion Method
Joseph Christopher Oropel Aguilar	Earthquake Performance Evaluation of Typical Bridge Structures with Seismic Isolation and Soil Structure Interaction in the Philippines
Pema	Seismic Evaluation and Retrofitting of Traditional Bhutanese Stone Masonry Residential House
Rajib Kanti Biswas	Detail Seismic Performance Evaluation of a Twelve (12) Storied Official Building in Dhaka and Suitable Retrofitting Technique
Varma Amit Kumar	Seismic Performance Evaluation for Continuous Use of an Existing Bridge in Nepal
Victor Pablo Diaz Gómez	Proposal of Ground Motion Prediction Equation (Gmpe) for Chilean Ground Motion Records and Its Application
William Alexander Ramos Hernandez	Evaluation and Retrofitting of a Historic Adobe Masonry Building

Khawar Farial	Climate Change Impact Assessment on the Flood Risk Change in Kech River, Turbat Balochistan, Pakistan
Islam Md Masbahul	A Numerical Study on Bank Erosion of a Braided Channel: Case Study of the “Tangail and Manikganj Districts along the Brahmaputra River”
Khin Si Si Hlaing	Developing an Integrated Water Resources Management Plan for Chindwin River Basin under Changing Climate
Kapil Maharjan	Numerical Study for Influences of Flow Diversion on Channel Morphology Case Study of Bagmati River, Central Nepal
Mahesh Maharjan	Morphological Study of Koshi River at Chatara and Its Influence on Intake of Sunsari Morang Irrigation Project, Nepal
Martins Ameno Herman Ziyang	Hazardous Area Resulting from Tailings Dam Failure
Nima Dorji	Assessment of Water Resources under Changing Climate for Effective Hydropower and Agriculture Productions in Puna Tsangchhu Basin, Bhutan
Rafael Silva Araújo	Flood Impact Assessment in the Itapocu River Basin , Brazil
Md Shahinur Rahman	Study on Flow Pattern and Associated Bed Deformation in the Off-Take Region of Gorai River, Bangladesh
Tashi Phuntsho	Comprehensive Evaluation of Flood Mitigation Measures Based on Climate Change Impact Assessment in the Wangchhu Basin
Tin Aung Win	Analyzing River Morphological Changes and Formulating No Regret Structural Measures in Chindwin River

## Graduates of 2018-2019

Name	Title
Ngun Za Iang	Completeness Magnitude of Earthquakes and b-Value in Myanmar
Md. Mominur Rahman	Determination of Hypocenters of Earthquakes in and Around Bangladesh
Praveen Pratap Adhikari	Fragility Evaluation of RC Buildings Designed by Nepal Building Code Considering Deformation Capacity
Jyoti Lamsal	Seismic Retrofit of Existing Residential Building in Nepal to Functionalize as Hospital Using Ferrocement
Robert Jay Nimer Panaligan	Earthquake Performance Evaluation of Typical Bridge Structures Designed by a Force-Based Design Method in The Philippines
Dhira Phadera	A Study on Seismic Performance and Retrofit Approach for Current RC Buildings with Soft First Story in Nepal
Laura Alexandra Gonzalez Rodriguez	Evaluation of Possible Locations of Bottom Pressure Recorder for the Colombian North Pacific Coast, Using Tsunami Travel Times And Tsunami Simulations
Michael Arturo Linthon Alvarez	Study of the Bathymetric Influence on Tsunami Propagation Near the Coast of Esmeraldas by Tsunami Simulation and Ray Tracing Analysis
Dhaka Ram Acharya	Influence of Sand Bar Behaviour on Channel Changes Along Kaligandaki River, Nepal
Cynthia Wantee Davis	Analysis of Climate Change Impact Using Bias-Corrected Precipitation in St. Paul River Basin, Liberia
Ali Imran	Assessment of the Climate Change Impact on the Flood Risk Change in Chenab River Basin
A F M Tauhid Jaman	Study on Channel Changes and Bed Deformation in Confluence Region of Ganges and Jamuna Rivers Under Different Inflow Conditions

Ravindra Vitthal Kale	Development of Integrated Hydrological Modelling Framework for Flood Inundation Mapping in Brahmani-Baitarani River Basin, India
Mohamed Thajudeen Mohamed Zuhail	Development of Integrated Water Resources Management Plan for Eastern Dry Zone in Sri Lanka: The Case of Gal Oya River Basin
Christian Darwin Jacob Valencia	RRI Model-Based Flood Evacuation Timeline of City and Municipality LGUs in Pampanga River Basin, Philippines

## Graduates of 2017-2018

Name	Title
Cinthia Calderon	Feasibility Study on Earthquake Early Warning System for the City of Lima, Peru, Using A Newly Deployed Strong-Motion Network
Ibrahim Zahra	Magnitude Estimation for Earthquake Early Warning (EEW) for Eastern Cairo and the South of Sinai
Thakur Prasad Kandel	Automatic Localization of Aftershock Events of the 2015 Gorkha Earthquake in Central Nepal
Naresh Maharjan	Investigation of Site Response in Kathmandu Valley Using Aftershock Data of the 2015 Gorkha Earthquake, Nepal
Suman Saha	Local Magnitude Calculations for Earthquakes in and around Bangladesh and Their Inference for Distance Correction Function
Alvarez Reyes Ronald Stephan	Health Monitoring of Building Using Seismic Interferometry
Tarun Chauhan	Application of Seismic Isolation for an Important Building Located in a High Seismic Zone in India
Rizalyn Centino Ilumin	Seismic Performance Evaluation of School Buildings Considering the Post-Disaster Function: Case Study for Facilities of Pangasinan State University, Philippines
Jorge Alberto Stanley Flores Gonzalez	Seismic Performance Assessment of Reinforced Concrete Buildings with Masonry Infill Walls in El Salvador
Md. Kamruzzaman	Effects of Soft First Story on Seismic Performance of RC Buildings and Sustainable Approach to Retrofit
Luis Ernesto Mixco Duran	Probabilistic Performance Assessment for Masonry Structures of School Buildings in El Salvador
Nabil Mekaoui	Accidental Torsion in The Moroccan Seismic Code: Parametric Study
Sk Toufiquir Rahman	Seismic Response Evaluation and Retrofit of a Five-Storied RC Building Damaged Due to The 2017 Tripura Earthquake
Rene Francisco Nunez	Influence of Large Axial Loads in Single Rocking Walls and Reinforced Concrete Walls
Jorge Vigarny Rojas Gonzalez	Feasibility Study of Vs20-Based Design Spectra for the Urban Area of Managua, Nicaragua
William Roberto Guzman Calderon	Development of Resilient Reinforced Concrete Public Apartment Buildings by Using Wall Elements Including Non-Structural Walls for Damage Reduction in El Salvador
Ulbert Grillo Rodriguez	Real-Time Tsunami Inundation Forecast for the Pacific Coast of Nicaragua
Mohamed Elsayed	Tsunami Inundation Modeling for Coastal Zone of Alexandria City
Bhenz Rodriguez	Tsunami Damage Estimation along the Coast of Laoag City Using Tsunami Fragility Functions
Bishnu Hari Adhikari	Prediction of Sediment Run-off Processes in West Rapti River Basin, Nepal



Malik Rizwan Asghar	Real Time Flood and Inundation Forecast in Trans-Boundary River Basin Using Multi-Model High Resolution Precipitation Forecast
Dao Thu Anh	Risk Assessment of Urbanization Plan in Ma River Basin, Thanh Hoa Province
Leandro Galvanese Kuhlmann	An integrated Flood Damage Assessment in Brazil
Sheila Joy Lobaton Go-oc	Assessment of Flood Impact on Local Socio-Economic Development in The Davao River Floodplain, Philippines
Md. Nazmul Haque	Investigating the Impact of Climate Change on Flooding in the Teesta River Basin, Bangladesh
Md. Rabiul Islam	Investigating the Impact of Climate Change on Flooding in the Teesta River Basin, Bangladesh
Jayasinghe Roshan Indika	Development of An integrated Research Method for Effective Water Resource Management in A Complex Watershed System: The Case of Mahaweli River Basin
John Mathias Kiriwai	Effects of infrastructure Construction in Flood Disaster Prone Areas Case Study: Construction of Dumila-Rudewa-Kilosa-Mikumi Road
Maheswaran Myuran	Development of Effective Water Usage Plan for Dry Zone of Sri Lanka: Case Study in Malwathu Oya Basin
Mesake Mataitoga	Regional Disaster Profiles in The South Pacific Revealed By The South Pacific Convergence Zone Position
Saqib Jahangir	Integrated Water Resources Management through efficient reservoir operation in Swat River Basin, Pakistan
Shambhu Raj Pandit	Impact of Sediment Supply Condition on Morphological Change Along Lower West Rapti River, Nepal
Vasanthakumar Venkatesan	Development of Satellite Rainfall Based Approach for Effective Flood Disaster and Water Resource Management in Transboundary Rivers -A Case of Gandak River Basin

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## Graduates of 2016-2017

Name	Title
Jonatan Arreola-Manzano	A Preliminary Broad-Band Source Model of the 2014 Papanoa (Mw 7.3), Mexico, Earthquake, Using the Empirical Green's Function Technique
Babita Sharma	Simulation of Strong Ground Motion for North-Eastern Region of India
Chintan Timsina	Estimation of Source Parameters for the 2015 Gorkha Earthquake Aftershocks
Mohamed Maklad	Estimation of Shear Wave Velocity Profiles Using Microtremor Array Explorations in Ismailia City, Egypt
Sergio Alberto Galaviz Alonso	Numerical Simulation of Seismic Waves for Mexican Basin
Tara Pokharel	Estimation of Subsurface Shear Wave Velocity Structure in Kathmandu Valley Using Microtremor Array Measurements
Edwin Viracucha	Focal Mechanism Determination of Local Earthquakes in Ecuador Using Polarity Data
A.K.M. Sajadur Rahman	Seismic Evaluation and Retrofitting of a Weak 8 Storied RC Building in Bangladesh and Effect of Masonry Infill Wall
Alejandra Membreno	Seismic Safety Improvement of Housing Sector in the Historical Center of the City of Santa Tecla in El Salvador
Ali Erhan Yilmaz	Improving Displacement Performance of Multi-Story Building with U-Shaped Shear Wall by Various Methods

Juan Diego Valencia Marmol	Seismic Safety Evaluation of Masonry Dwellings through Fragility Functions
Md. Arifujjaman	Comparative Study of Seismic Performance between Conventional RC Building and RC Building with Light Weight Components in Bangladesh
Melanie Pagcaliwangan	Seismic Performance Evaluation of a Typical Low-Rise Reinforced Concrete Building in the Philippines
Mohammad Tariqul Islam	Application of Seismic Isolation System for Retrofitting of an Existing Building in Bangladesh
Raouf Bencharif	Non-Linear Soil-Structure Interaction Analysis Based on a Substructure Method Incorporating an Approximate 3D Approach
Yuuki Alejandro Hosaka Ventura	Effect of a Middle Tie Beam in the Seismic Behavior of Confined Masonry Walls
Abutaleb Ali	Tsunami Hazard Assessment in Northern Egypt Using Numerical Simulation
Amilcar Cabrera	Tsunami Characteristics of Outer-Rise Earthquakes along the Pacific Coast of Nicaragua -A Case Study for the 2016 Nicaragua Event-
Leonardo Alvarado Garcia	Tsunami Inundation Database for Jaramijo, Ecuador
Nabilt Moggiano	Real-Time Tsunami Inundation Forecast Study in Chimbote City, Peru
Domingo Jose Namendi Martinez	Rapid Magnitude Determination for Tsunami Warning Using Local Data in and around Nicaragua
Dagwin Dagwin Mark	Method on Flood Hazard Mapping in Ungauged Markham River Basin in Papua New Guinea
Danyvan Levi	Development of an Effective Operation of Pequenos Libombos Dam in the Context of Climate Change in Mozambique
Samuel Joseph Gama	Flood Hazard and Risk Assessment under Climate Change in the Lower Shire Basin, Malawi
Le Thi Phuong Thanh	Study about Coastal Erosion in Tien Giang Province, Vietnam with Numerical Simulation
Letigia Dos Reis Hanjan Corbafo	Investigation of Hydrological Response of Flood Control Schenarios and Assessment of the Effectiveness in Comoro River Basin Dili, Timor-Leste
Lucas Mikosz	Sendai Framework Indicators for Disaster Risk Reduction in Brazil: Initial Conditions, Feasibility Analysis, and Understanding the Risks
Nguyen Van Hoang	Analysis of Effective Reservoir Operation for Mitigating Flood Damages in a Vuong Dam Basin, Vietnam
Su Su Kyi	Investigating the Impact of Climate Change on Flooding in the Sittaung River Basin, Myanmar

## Graduates of 2015-2016

Name	Title
Arianne Gail Saluta Rivera	Crustal Structure Analysis of the Philippines Using Receiver Function Technique: An Introductory Study Using a Local Broadband Seismic Network
Amar Benfedda	Study of the 2014 Bay of Algiers, Algeria, Earthquake Sequence -Aftershock Relocations and Mainshock Ground Motion Simulation-
Kyaw Zayar Naing	Focal Mechanism Determination of Local Earthquake in Myanmar
Hamada Saadalla Mahmoud Mohamed	Estimation of Source Parameters Using the Local Broadband Seismic Network in Aswan, Egypt

Sagynbek Orunbaev	Determining Shear Wave Velocity Using Microtremor in Naryn City, Kyrgyz Republic
Felix Balthasar Taranu	Investigation of Attenuation Relations of Strong Ground Motions in Papua New Guinea
Abdelkader Benyoucef	Proposal of an Innovative Isolation Device to Protect Sensitive Equipments in Buildings
Abhishek Gopal	Seismic Evaluation of 3 Storied RC Building by Indian Standard and Comparison with JBDPA Standard Modified for Buildings with Infill Walls
Amos Fimiamba	Seismic Performance Evaluation of Buildings in High Seismic Zone of Papua New Guinea
Ashish Gupta	Seismic Isolation Systems in Indian Perspective
Boni Amin	Application of Ferrocement Technology in Retrofitting of RC Frame
Lintu Gazi	Seismic Performance Evaluation and Response Analysis of RC Buildings Subject to Strong Ground Motion in Bangladesh, Considering Masonry Infill Wall Effect
Manuel Arturo Salazar Navidad	Seismic Assessment of Reinforced Concrete Buildings and Comparison of the Advantages and Disadvantages by the Application of Conventional Retrofitting Methods
Max Miguel Farinas Perez	Non-Linear Dynamic Modeling on RC 5 Story Building in Managua City, Designed with the Nicaraguan RNC07 Building Code
Md.Hajbul Kabir	Soil Structure Interaction Effects of High Rise Reinforced Concrete Building
Mohamed Abdelrasoul Ahmed Shaheen	Retrofitting of the Composite Beam-Column Connections Using Circular Web Opening
Rommel David Zambrana Areas	Seismic Evaluation And Retrofitting Technique Implemented to a Three Story School Building of RC Frame Structure in Nicaragua
Dandy N. Camero	Tsunami Hazard Assessment along the Coast of Eastern Visayas, Philippines
Greyving Jose Arguello Miranda	W Phase Inversion Analysis and Tsunami Simulation for Tsunami Warning for Large Earthquake ( $M_w > 7.0$ ) in Nicaragua
Martha Vanessa Herrera Jimenez	Tsunami Modeling of the 2012 El Salvador Earthquake along the Pacific Coast of El Salvador and Nicaragua
Sharl Narvet Noboa Teran	Tsunami Damage Estimation in Manta, Ecuador Using Fragility Functions
Antonio De Araujo	Flood Risk Index Analysis for Cuha River Basin, Timor – Leste
Babarande Guruge Thanura Lasantha	Integrated Water Resources Management for Eastern Dry Zone of Sri Lanka Study of Mundani River Basin
Rashid Bilal	Transboundary Flood Forecasting through Downscaling of Global Weather Forecasting and RRI Model Simulation
Catherine G. Jaceldone	Sediment Transport Processes in Mountain Area of Kinugawa River
Fathmath Shaushan Moosa	Water Shortage Management and Adoption to Climate Change in Maldives
Francisco Leite	Evaluation of Flood Control Countermeasures Considering Climate Change -Case Study: Itajai River Basin, Brazil-
Gopal Sharma	Method for Predicting Sediment Runoff Processes and Channel Changes in West Rapti River, Nepal
Irfan Ullah Khan	Incorporation of Snow and Glacier Melt Processes in RRI Model for Estimating Peak River Discharges and Inundation Analysis in Neelum River Basin
Md. Mamun Howlader	Study on Proactive Breach of Submersible Embankment for Its Sustainable Maintenance in Haor Arrea

Myo Myat Thu	Analysis of Floods and Droughts in the Bago River Basin, Myanmar, under Climate Change
Rukarwa Lorraine	Drought and Flood Risk Assessment on Manyame River Basin, Zimbabwe under Climate Change
Sinnappoo Kokularamanan	Development of a Flood Forecasting and Data Dissemination System for Kalu River Basin in Sri Lanka
Tanjir Saif Ahmed	Sedimentation and Its Countermeasure at the Off-Take Area of New Dhaleswari River

## Graduates of 2014-2015

Name	Title
Tsagaan Baasanbat	Receiver Function Study in the Ulaanbaatar Region
Ganbat Baigalimaa	Estimation of Source, Path and Site Effects in Hangay Region Mongolia Using a Dense Broadband Seismic Array
Chikh Moad	Beni Illmane Earthquake of May 14, 2010 - Aftershock Sequence Location Using a Dense Seismic Network
Davaasuren Ganzorig	Focal Mechanisms of Earthquakes in the Emeelt Swarm and around Ulaanbaatar City
Johnlery P. Deximo	Determination of Local Magnitude Scale for the Philippines
Kyaw Kyaw Lin	Improving Locations of Earthquakes by National Earthquake Data Center of Myanmar
Nadia Eda Macavilca Rojas	Identifying Strong-motion Generation Areas of the 2007 Mw8.0 Pisco, Peru Earthquake Using the Empirical Green's Function Method
Gino Francisco Caballero Morales	Proposal of Methodology for Post-earthquake Evaluation of Reinforced Concrete Buildings and Masonry Buildings in El Salvador
Harish Chandra Lamichhane	Comparison of Different Quick Inspection Sheets and Proposal of New One for RC Buildings in Nepal
Kathrine Anne M. Cailing	A Study on Ductility and Seismic Indices for Seismic Evaluation of Existing Reinforced Concrete Buildings in the Philippines
Md. Jahidul Islam Khan	Seismic Capacity Assessment of an Existing RC Framed Building in Bangladesh Focused on the Effect of Brick Masonry Infill Wall
Md. Shafiul Islam	Seismic Performance Evaluation and Response Analysis of RC High-rise Building under Strong Ground Motion in Dhaka, Bangladesh
Nagendra Ray Yadav	Effectiveness of Building Code Implementation in Nepal
Nelson Alejandro Quintanilla Pinto	Structural Performance Evaluation of Typical Bridge in El Salvador and Improvement of Seismic Performance
Pedro Manuel Dulanto Gutierrez	Capacity of a Typical School Building in Nicaragua Made by Confined Masonry to the Seismic Shear Force Required in the Nicaraguan National Regulation of Construction
Suarez Antunez Mary Criss	Fragility Functions for Non-engineered Masonry Dwelling in Peru
Sinthaworn Suppachai	Development of Analytical Tools to Simulate Hysteresis Response of Prestressed Precast Concrete Beams
Emilio Adan Talavera Martinez	Tsunami Simulation for the 1992 Nicaragua Earthquake
Fauzi	Tsunami Modeling of the 1797 and 1833 Mentawai Earthquakes in West Sumatra

Karl Vincent C. Soriano	Tsunami Hazard Assessment along the West Coast of Central Luzon, Philippines
Patricia Arreaga Vargas	Tsunami Inundation Modeling and Hazard Mapping of the South Coast of Ecuador
Teresa Vera San Martin	Tsunami Damage Estimation in Esmeraldas, Ecuador Using Tsunami Fragility Functions
Urip Setiyono	Study on Near-field Tsunami Inundation Forecast for Tsunami Hazard Assessment in Western Java, Indonesia
Aye Aye Naing	Flood Inundation Analysis by Using RRI Model For Chindwin River Basin, Myanmar
Betty Namulunda Barasa	Assessing Impacts of Land Use Changes on Flood Occurrence in Sosiani River Basin in Kenya
Collins Otieno Odhiambo	Flood and Drought Management by Proposed Dams and Retarding Basin: A Case Study of the Upper Ewaso Ngiro North Basin, Kenya
George Chilli Otieno	Prediction of Sediment Transport Processes in Nzoia River Using Rainfall-runoff Model
Jorge Andres Gonzalez Rojas	Hydrological Forecasting in Colombia Using Numerical Weather Prediction from WRF (ARW), Saldana River Basin
Josefa Nawai	Flood and Drought Risk Assessment on Effectiveness of Proposed Infrastructures in the Ba River Basin, Fiji
Md Abu Baker Siddique Bhuyan	Prediction of Morphological Changes in Jamuna River near Bahadurabad Area
Mohd Faiz Syed	Comparative Analysis of Flood Forecasting Techniques Using RRI, HEC-RAS & Gauge-to-Gauge Correlation Method for Delhi, India
Muhammad Irfan Virk	Applicability of Satellite Rainfall Observation for Flood Forecasting in a Trans Boundary Basin, Pakistan
Navarathinam Kirushnarupan	Assessment of the Proposed Malwathoya Dam for Flood and Drought Mitigation in the Lower Malwathoya River Basin, Sri Lanka
Sanjay Kumar Sharma	Sensitivity for Hydrologic Simulation from Topographic Data in Kulsi River Basin, India
Sohail Babar Cheema	Improvement of Applicability of Snow Hydrological Model by Using Correction Factor in the Gilgit Basin
Vallipuram Thavakkumar	Development of Comprehensive Reservoir Operation for Flood with Incorporated Inflow from Cascaded Small Tanks to Pavatkulam Reservoir, Sri Lanka