

# SESSIONS (ICDRM 2019)

## THEMES

1. HVRA : Hazard, Vulnerability and Risk Assessment
2. APM : Adaptation, Prevention and Mitigation
3. WPA : Warning, Preparedness and Awareness
4. EMR : Emergency Management, Recovery and Rehabilitation
5. MDM : Mainstreaming Disaster Management
6. CC : Climate Change

## SCHEDULE

Date	Time	Sessions	Room
13.01.2019	11.15 a.m. to 1.15 p.m.	Session 1A	802
		Session 1B	803
		Session 1C	804
	2.30 p.m. to 4.00 p.m.	Session 2A	802
		Session 2B	803
		Session 2C	804
	4.15 p.m. to 5.45 p.m.	Session 3A	802
		Session 3B	803
		Session 3C	804
14.01.2019	9.00 a.m. to 11.00 a.m.	Session 4A	802
		Session 4B	803
		Session 4C	804
	11.15 a.m. to 1.15 p.m.	Session 5A	802
		Session 5B	803
		Session 5C	804
	2.30 p.m. to 4.00 p.m.	Session 6A	802
		Session 6B	803
		Session 6C	804

**Session: 1A****Time:** 11.15 a.m. to 1.15 p.m

Session Chair: Prof. Mehedi Ahmed Ansary, Department of CE, BUET

Date: 13.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Authors</b>
APM201	Effectiveness of Various Retrofitting Options of Footing Under Existing Building	Md. Jahangir Alam, Muhammad Saiful Islam and Mahmudul Islam
APM203	Interpretation of Compressibility Characteristics for Bangladeshi Coastal Soil	Z. A. Urmi and M. A. Ansary
APM205	Badland Denudation Process and Management: A Case Study Garhbeta Badland, West Medinipur, West Bengal, India	Arindam Sarkar
APM207	Evaluation of Infiltration Capacity from Soil Properties and Infiltration Rate Using Multilinear Regression and Artificial Neural Network	Tahsina Alam , Sagar Barua , Humaira Anisa , Mohammad Shariful Islam
APM208	Influence of Phreatic Surface on The Ultimate Pullout Resistance of Vertical Anchor Plate By FEM	S. Sakib and M. S. Islam
APM209	Effectiveness of Cement Stabilized Fill Soil as A Sustainable Geotechnical Option	Hasan Shahrier, Md. Sabrul Islam, Subrata Roy, Fariba Hossain, Mohammad Atiqul Goni
APM210	Evaluation of The Effect of Rainfall on Slope Stability Analysis by Using Hydraulic Unit Flux Infiltration Property	Ahmed Hossain, Md. Enayet Chowdhury, Mohammad Shariful Islam
APM213	Effectiveness of Open Mesh Jute Geo-Textile (JGT) In Erosion Control of Slopes	S. Hossain, M. S. Islam, A. J. Khan

**Session: 1B****Time:** 11.15 a.m. to 1.15 p.m

Session Chair: Brig. General Ali Ahmed Khan, psc. (Retd.), DG, BFSCD

Date: 13.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: HVRA**

<b>Code</b>	<b>Title</b>	<b>Authors</b>
HVR301	A New Electrical Risk Index for Electrical Safety Assessment of RMG Industries in Bangladesh	M. M. Islam, M. N. Ashraf, M. I. H. Bhuiyan
HVR302	A Simplified Mechanism to Suppress Fire in Dense Urban Areas Utilizing Residential Water Reservoirs	F.B. Iqbal, S. Haque
HVR303	Analyzing Vulnerability of a Community to Fire Hazard: A Case Study of Chandgaon Residential Area	A. H. Nehal, M. R. Hasan, M. K. Islam
HVR305	Assessment of The Level of Fire Safety in Residential Apartment Buildings in Dhaka	A. Mallick, M. S. Islam, A. Hossain
HVR307	Developing Planning Solutions for Managing Fire Risks Considering Spatial Variation of The Risk of Fire: A Case Study on Khulna City	C. Biswas, S.M. Haque
HVR309	Structural Vulnerability Analysis Due to Flammable Chemical Explosion in Old Dhaka	J. Tasnim , K. S. Sadat, T. B. Jamal
HVR311	A Study on Fire Fighting Capacity of Fire Stations of Dhaka Metropolitan Area	T. R. Tishi, I. Islam
HVR317	A Proposed Methodology Framework to Assess the Fire Risk of Existing Buildings	S. P. Bhattacharya

**Session: 1C****Time:** 11.15 a.m. to 1.15 p.m

Session Chair: Prof. Dr. Nasreen Hossain, Head, Department of Architecture, BUET

Date: 13.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM, MDM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM506	Autonomy in Building Process to Adapt the Climate Change Impacts: Learning from The Urban Informal Settlement in Khulna	S. B. Linkon, N. M. Khan
APM511	A Study on Socio-Economic Vulnerability for Earthquake of Ward No. 14, Mymensingh Municipality, Bangladesh	T. Akter, U. Barua, M. A Islam, I. Islam, M. S. Akhter, M. A. Ansary, R. Ahsan
APM512	Reconstructing 'Faith' As A Social Capital at The Disaster-Prone Coastal Communities in Bangladesh	I. Hossain
MDM301	Disaster Management: Socio-Economic Conditions and Role of Institution: A Case Study of Kolkata	M. Chatterjee
MDM302	Problems of Post-Disaster Philanthropic Activities: A Study in The Aftermath of Nepal Earthquake 2015	R. Timsena
MDM303	Disaster Management Approaches in Bangladesh Towards Integration of Sustainable Development	M. M. Hasan, S. Yeasmin
MDM501	Challenges in Climate Finance Governance in Bangladesh	M. N. Momen
MDM505	Risk Financing to Manage Climatic Disaster Shocks in Bangladesh	M. Das , M. Bodrud-Doza, M. A. Asad

**Session: 2A****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Md. Kabirul Islam, Department of CE, BUET

Date: 13.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM214	A Numerical Study on Slope Stability Analysis by Finite Element Method Using FEMTJ-2D Application	M. W. Zaman, K. S. Mita, A. A. Azad, R. Hossain, M. U. Kabir, H. M. Shahin
APM216	Slope Stability Analysis of An Earthen Embankment for Different Geometric and Water Level Conditions Both for Cohesion-Less and Cohesive Subsoil	M. A. R. Talukder, M. Sakibuzzaman, A. Muqtadir, M. A. Ansary
APM217	Study of Root-Reinforcement Effect on Shear Strength Parameters of Soil Obtained by Direct Shear Tests	F. F. Badhon, M. S. Islam, T. M. Al-Hussaini
APM219	Sar Interferometry for Land Subsidence Monitoring and Detection of Jharia Coal Field, Jharkhand, India.	M. A. Akbar, R.S. Chatterjee
APM220	Stabilization of Dispersive Soil by Using Fly Ash	M. O. Faruk, M. S. Islam, M. Z. Hoque, M. A. Shorno
APM222	Effect of Vegetation and Nailing for Prevention of Landslide in Rangamati	T.E. Elahi, M.A. Islam, M.S. Islam
APM223	Construction of Disaster Resilient Rural Houses Using CSEB Made with River Bed Sand	M. S. Islam, J. Islam, N. Mumtaz
APM224	Effect of Salinity on The Compressibility and Permeability Characteristics of a Coastal Soil from Bangladesh	J. R. Mallick, M. S. Islam

**Session: 2B****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Iftekhar Anam, Department of CE, UAP

Date: 13.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM102	A Comparative Study on Seismic Load Analysis By BNBC-1993 And BNBC-2015	Md. Mohiuddin Ahmed, Subrata Roy, Maqsuda Haque
APM105	Performance Evaluation of RC Buildings by Time History Analysis Using ETABS 2015	A. Ghosh, S. Ahammed , K. I. M. Iqbal and T. R. Hossain
APM107	Comparison of Properties of Various Types of Mortars Exposed to Fire	M. T. Islam, M. A. Rahman and I. Ahmed
APM108	Tentative Design Life of Reinforced Concrete Structures: Bangladesh Perspective	T. Torsha, F. A. Khan, M. J. Hasan, R. Mutsuddy and T. Manzur
APM109	Durability of Nylon Fiber Reinforced Concrete	S. Samrose and R. Mutsuddy
APM113	Optimum Geometric Configuration of Fuse for Seismic Force Resisting Rocking Frame	Radin Md Mahirul Hoque, Khan Mahmud Amanat, Devabrata Dutta
APM114	Non-Linear Finite Element Investigation of The Lateral Load Capacity of Stiffened SPSW For Various Aspect Ratios	Mumtahina Akter , Khan Mahmud Amanat

**Session: 2C****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Mohammad Rezaur Rahman, IWFM, BUET

Date: 13.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM, CC**

Code	Title	Author(s)
APM303	Urban Eco-Sustainability and Disaster Risk Reduction by Implementing Vertical Garden in Dhaka City	Md. Habibur Rahman, Tasnim Zafar Khan, Rakib Ahmed Raju, Muhammad Jahedul Huq
APM304	Treatment of Tannery Effluent Using A Bio-Adsorbent	M. N. Hossain , M. D. Islam, A. Rahaman, A. Roy, M. A. Matin
APM308	Inclusion of Retention Pond to Retain Runoff Based on IDF Relationships in RAJUK's MGC Based DHAKA CITY Areas	M. A. Islam, M. M. Rahman
APM407	Analysis on The Changing Trends of The Channel Pattern of Halda River and Public- Private Partnership (Ppp) As A Catalyst for The Sustainable Development	P. Saha, J. T. Oyshi, S. T. B. Haider, S. N. Nipa, R. Khanum
CC104	Predicting Spatiotemporal Changes of Heat Stress Over Bangladesh Under Climate Change Condition During 1985-2070	M. B. Rahman, A. R. M. T. Islam
CC105	Impact of Climate Change in Water Availability of The Brahmaputra River Basin: Based on Different GCM Prediction	M. S. Hossain, M. M. Hossain, M. S. Masud, T. Sultana, X. Ji
CC106	Study on Climate Variability, Climate Extremes Over Dhaka City and People's Perception About Its Impact	F. Mahbub, M. M. Rahman, M. A. Mannan, F. Akhter

**Session: 3A****Time:** 4.15 p.m. to 5.45 p.m.**Session Chair:** Prof. Dr. Shakil Akhter, Department of URP, BUET

Date: 13.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: MDM, WPA**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
MDM209	A Review of The Application of Remote Sensing Technologies in Earthquake Disaster Management and Its Potentialities and Challenges	M. A. Kader, I. Jahan
MDM402	Analysis on Community Managed Infrastructure and Housing to Mitigate Landslide Risk and Hazard in Hilly Areas of Bangladesh - A Case Study in Shondip Colony, Chittagong, Bangladesh	F. S. Sonia , A. J. Tonmoy, M. Z. Haque
MDM405	Understanding Ward Disaster Management Committee for Community Based Disaster Management in Dhaka City	A.I.Z. Sreezon, S.A. Disha, T.T. Isaba, A.M. Riyadh, U.Barua, I. Islam
WPA101	Prediction of thunderstorm Event in Bangladesh using WRF-ARW model	A. Islam , M. M. Rahman , F. Akhter, M. A. Mannan
WPA103	Agrometeorological Advices for Sustainable and Adaptive Farming in Climate Vulnerable Areas of Bangladesh	F. Jannat, T.R. Chakraborty, M. P. Akter,
WPA302	Unraveling the livelihood induced risk of resource dependent communities: A case of vulnerable fisherman in south central coastal Bangladesh	K.M. Sujauddin, M.M. Khan , C.K. Saha
WPA304	Are Migrant Women More Vulnerable in Urban Context? A Case Study on Four Slums of Dhaka City	M. Tanjeela



**Session: 3B****Time:** 4.15 p.m. to 5.45 p.m.**Session Chair:** Prof. Dr. Md. Tarek Uddin, Dept. of CEE, IUT

Date: 13.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM115	Most Efficient Steel Bracing Pattern of a Seismically Vulnerable RC Building Based on Nonlinear Static Pushover Analysis	S. Rana, M. Hisamuzzaman
APM116	Finite Element Investigation of Column Base Plate Thickness to Avoid Prying Action When Subject to Moment	M. M. Momo, K. M. Amanat
APM117	Performance of Masonry Buildings in Earthquake and In Shaking Table Test	M.A. Islam , R. Ahsan
APM118	Structural Vulnerability and Social Readiness in Mymensingh, Bangladesh	M.A. Islam , U. Barua , T. Akter , R. Ahsan , M.S. Akther , I. Islam , M.A. Ansary
APM119	Good Practices in The Handling of Fusion Bonded Epoxy Coated Bars for Reaping Maximum Protection Against Corrosion	M. T. Islam, M. A. Rahman and I. Ahmed
APM121	Comparative Analysis of RC Frame Structures Following BNBC 1993 And 2017 Versions of Code	S. Z. Sarothi , M. S. Sakib, M. A. Hasan, A. Akhter, T. Rabbi, K. M. Amanat

**Session: 3C****Time:** 4.15 p.m. to 5.45 p.m.**Session Chair:** Prof. Dr. Stefano Tsukamoto, Osaka University

Date: 13.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: EMR**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
EMR101	Disaster and Migration Nexus: A Study of Migration Process of The Disaster Induced Migrants of Dhaka City Corporation Area	M. M. K. Alis , M. R. Islam, I. Islam
EMR102	Cultural Consideration in Rebuilding in Nepal	U. P. Pokharel
EMR103	Socio-Economic Recovery and Rehabilitation of People with Disabilities and Their Families Following Rana Plaza Collapse	R. Chakraborty
EMR106	Remediation of Contaminated Brownfield Through Urban Redevelopment or Regeneration: A Case Study on Hazaribagh Tannery Area	M. A. Islam , M. M. Mamun , Kazi N. Kowser
EMR108	Inter-Organizational Response to Cyclone Sidr (2007): A Network Based Approach	T.T. Isaba, A.M. Riyadh and M.A. Ansary

**Session: 4A****Time:** 9.00 a.m. to 11.00 a.m.**Session Chair:** Prof. Dr. Farida Nilufar, Dean, Faculty of Architecture and Planning, BUET

Date: 14.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM, WPA**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM604	Indigenous Housing and Design Acclimatization with Sustainable Materials for Housing Development in Dinajpur	S. S. Eity
WPA201	Community Based Approaches to Resilience: Response to Vulnerability of Coastal Habitat in Changing Climate	S.M. Islam, M. Niger
WPA203	Study of an Incremental House Module for Coastal Fishermen Community at Salimpur, Chittagong, Bangladesh	S.M. Niha, S. Chowdhury
WPA205	Community Mapping as An Approach to Identify Disaster Coping Strategies of An Urban Neighborhood of Sri Lanka	A.M. Wickramathilaka, N. Liyanage
WPA207	Inclusion of Participatory Action Research as a Crux for Sustainable Agriculture in a Climate Fragile Ecosystem	M. P. Akter , T.R. Chakraborty, F. Jannat
WPA210	Assessing Community Vulnerability to Earthquake Through Participatory Approach: A Case Study of Ulon, West Rampura, Dhaka	M.M.R. Bhuiya, K.N.M. Morshed, M. I. Rahman, I. Islam
WPA401	Indigenous Disaster Resilience: An Observation of Bawm Houses, Bandarban, CHTG	S.W. Ching, R.H. Suravi

**Session: 4B****Time:** 9.00 a.m. to 11.00 a.m.**Session Chair:** Prof. Dr. Md. Maksud Helali, Department ME, BUET

Date: 14.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: HVRA**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
HVR318	A Comparative Study of Fire Safety Condition in The RMG Sector of Bangladesh Before and After Rana Plaza	F. Y. Huda, M. S. B.A Rani, Z. Wadud
HVR319	Risk Assessment Study of Informal E-Waste Recycling Industry in Dhaka	E. Rahman, M. Mowla, N. Aich, N. Islam
HVR320	Spread and Propagation of Generic Shopping Mall Fire of Bangladesh Under Different Scenarios	M. A. M. S. Shoshe, M. A. Rahman
HVR321	Reconstruction of Fire Incident occurred in Gulshan DNCC market of Bangladesh and subsequent fire and evacuation modelling for the market during peak time	M.A. Hoque, T.I. Joy, R. H. Mridha , M.R. Mia, S. K. Saha, A.A. Khan, M.A. Rahman
HVR322	Analysis of LNG Storage Tank Hazards and Corrective Measures Using HAZOP And Bow-Tie Diagram	I. Sharmin, E. A. Khan

**Session: 4C****Time:** 9.00 a.m. to 11.00 a.m.**Session Chair:** Prof. Dr. G.M. Tarekul Islam, IWFM, BUET

Date: 14.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM401	Exploring the Relation Between Groundwater Level Changes and Teleconnection ENSO Indices in Northwestern Part of Bangladesh Over 1981-2017	R. Salam, S. Islam, A.R.M.T. Islam
APM402	Adaptation to Climate Change Through Disaster-Resilient Housing Practice in The Coastal Zone of Bangladesh	M. R. Rahman, A. A. Muhaymin, M. M. Rahman
APM403	Design of Storm Water Drainage Network with Limited Data Using Geoswmm: Case Study for Dinajpur City	S. Kibria, R. Biswas
APM404	Exploring the Variability Pattern of Temperature and Rainfall in Different Regions of Bangladesh: A Study Ranging 20 Years' Span	M. K. Alam, M. S. Hossain, N. Majed
APM408	Multivariate Analysis Applied to Monthly Rainfall Over Bangladesh	M. M. Reza, A. R. M. T. Islam
APM416	Agricultural Adaptation Measures to Combat Salinity Problem in Southwestern Bangladesh	J. Ferdous, M. A. Habib, M. T. U. Rahman

**Session: 5A****Time:** 11.15 a.m. to 1.15 p.m.**Session Chair:** Prof. Dr. Md. Munsur Rahman, IWFEM, BUET

Date: 14.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: HVRA**

Code	Title	Author(s)
HVR203	Public Perception of Lightning Risk in Moulvibazar District of Bangladesh	M. M. Rana
HVR204	Assessment of Flood Risk of Secondary Town in Bangladesh	F. Afroz, M. A. Islam
HVR205	Spatiotemporal Evolution and Trends of Drought in Western Bangladesh Over 1977-2017	N. Yeasmin, A.R.M. T. Islam
HVR206	Spatiotemporal Distribution of Lightning and Its Related Fatalities in Bangladesh	F. Rahman, M. A. Mannan , M. Moniruzzaman
HVR207	Prediction of Severe Thunderstorm Associated with Intense Lightning and Heavy Rainfall in Bangladesh	F. Akter , M. A. Mannan, M. A. M. Chowdhury, S. Karmakar, S. Ahmed
HVR209	Capacity of Roof Cladding of Rural Housing Against Blowing Due to Storm Wind	M. M. Asif , M. Z. Alam, R. Ahsan
HVR210	The Rise of a New Disaster in Bangladesh: Analysis of Characteristics and Vulnerabilities of Thunder from March To July 2018	M. S. Uddin, R. H. Suravi
HVR211	Soil Salinity Hazard Assessment in Bangladesh Coastal Zone	M. H. Hasan , M. R. Rahman, A. Haque, T. Hossain
HVR212	Assessment of Social Vulnerability to Flood Hazard Using MOVE Framework in Satkhira District, Bangladesh	M. S. Alam, T. Chakraborty, M. D. Islam

**Session: 5B****Time:** 11.15 a.m. to 1.15 p.m.**Session Chair:** Prof. Dr. Tahmeed M. Al-Hussaini, Department of CE, BUET

Date: 14.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: HVRA**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
HVR105	Landslide Susceptibility Mapping Using Xgboost Model in Chittagong Metropolitan Area, Bangladesh	T. Chakraborty, M.D. Islam, M.S. Alam
HVR107	A Study of The Recent Landslide in Rangamati Region: Causes, Impacts and Existing Slope Protection Measures	T. A. Alam, G. Barua, M. Mahsin, A. Kamal, M.H. Mazumder, F.R. Omi
HVR109	Landslides: An Inventory Analysis of Chattogram City	M. M. H. Khan, S. K. Sarkar
HVR110	Addressing Seismic Hazards Vulnerability in Bangladesh: A Case Study of Bogra Municipality	M. Sharmin, S. M. N. Hossain
HVR112	Epistemic Uncertainty on Probabilistic Seismic Hazard Considering the Main Himalayan Thrust (MHT) In Nepal Himalaya	D. Chamlagain, J. G. Anderson, S. G. Wesnousky
HVR114	Application of Artificial Hierarchy Process for Landslide Susceptibility Modelling in Rangamati Municipality Area, Bangladesh.	A. A. Kafy, M. Hasan, L. Ferdous, M. R. Ali, M. S. Uddin
HVR116	Landslide Vulnerability Analysis of Chittagong City Corporation Area Using GIS	M. R. H. Kauser, M. N. Neema
HVR118	Seismic Vulnerability Assessment of Structures in Mountainous Regions of Central Asia	M. N. Alam, H. Ziar, A. Kumar, S. Sulaymonov
HVR119	Vulnerability Assessment for Earthquake in Dhaka: A Case Study of Ward 37	F. Siddiq, S. Dutta, T. Mowla, T. Habib

**Session: 5C****Time:** 11.15 a.m. to 1.15 p.m.**Session Chair:** Prof. Dr. M. Ashraf Ali, Department of CE, BUET

Date: 14.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: CC , APM**

Code	Title	Author(s)
CC107	Climate Change Effect on Potential Evapotranspiration in Bangladesh	M. H. Rahman, T. Z. Khan, R. A. Razu, M. J. Huq
CC109	Paddy Production Under Salinity Conditions in Coastal Bangladesh: Production Function Approach	M. H. Iqbal, M. E. Hossain
CC110	Vulnerability Assessment of Climate Change Induced Flooding: Lesson Learned from a Municipality in the Philippines	A.S.M. Saifullah, M. R. D. Reyes
CC112	Climate Change and Seasonal Behavioral Disruption of Climate Parameters: A Study of Rajshahi City	M. S. A. Salan, M. S. Reza
CC114	Women's Vulnerability Due to Climate Change in The Coastal Area of Bangladesh	S. M. Islam, M. Niger
CC116	A Study on The Nature of Climate Change Induced Hazards in The Urban Areas of Bangladesh	N. Tabassum, I. Islam
CC119	Asset Based 'Profile Approach' For Analysis of Differentiated Vulnerability and Resilience of Coastal Households in The Context of Climate Change	N.M. Ha-Mim , M.Z. Hossain, S.M. Moniruzzaman
APM603	Seawalls or Green Walls: Saving the Coastal Community Against Cyclones and Tsunamis	M. Haque



**Session: 6A****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Mohammad Anisul Haque, IWFEM, BUET

Date: 14.01.2019, Room No.: 802; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: HVRA**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
HVR214	Evaluation of Urban Flood Risk with Existing Land Use Pattern: A Case Study on Several Wards of Khulna City Corporation	N. Bhowmick, M. A. Alam, S. Rahman
HVR218	Developing Local Level Disaster Risk Reduction Strategies Considering the Spatial Variation of Storm Surge Risk: A Case Study on Gabura Union, Syamnagar Upazila	R. Hassan, S.M. Haque
HVR219	Performance Evaluation of Drought Monitoring Indices in North-West Region of Bangladesh	M. N. Akhi, M. S. Islam, A. R. M. T. Islam
HVR223	Coastal Vulnerability Assessment of The South-Central Coast of Bangladesh And Subsequent Relation to Human Vulnerabilities	M. Saha, S. S. Sauda
HVR230	Assessing Physical Vulnerability in Coastal Bangladesh Towards Natural Disasters: A Composite Index Approach	S. M. Moniruzzaman, M. Z. Hossain, N. M. Ha-Mim
HVR231	Risk Assessment Due to Storm Surge in Polder 70 Of Bangladesh	M. S. Hossain, K. M. A.H. Raju
HVR232	Comparison Between Directional Distribution of Observed and Forecasted Trajectories of Hurricane in North Atlantic Basin	M.S. Rahman, T.T. Isaba, A.M. Riyadh
HVR233	Cyclone Shelters Need Development for Ensuring Sustainable Uses: A Case Study in Patuakhali And Borguna District	M. Billah, T.T. Isaba, M. A. Islam, M. Shahin

**Session: 6B****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Ahsanul Kabir, Head, Department of CE, BUET

Date: 14.01.2019, Room No.: 803; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: APM**

<b>Code</b>	<b>Title</b>	<b>Author(s)</b>
APM125	Structural Response of Coastal Wooden Infrastructure to Cyclonic Wind and Surge Induced Thrust Force	M. W. Zaman, M. M. Ali, K. S. Mita , A. A. Azad , M. Akter , R. Ahsan, A. Haque, M. Rahman
APM128	Cyclic Load Test on Beam-Column Behavior of Portal Frame Strengthening by Micro-Concrete	M. S. Hosain, Y. A. Khan, R. Ahsan
APM129	Axial Compressive Buckling, Bending and Splitting Tensile Behavior of Fiber Reinforced Mortar (FRM)	S. Sarwar, R. Hassan, A. Chakraborty
APM131	Numerical Simulation of Seismic Behavior of Replaceable Steel Coupling Beam	I. Aziz, K. M. Amanat
APM134	Numerical Simulation of Seismic Moment Connections with Steel Slit Dampers	M. I. Hossain, K. M. Amanat
APM137	Behavior of Typical Steel Column Sections Under Standard Fire	M. K. Islam, M. J. Hasan, T. Manzur

**Session: 6C****Time:** 2.30 p.m. to 4.00 p.m.**Session Chair:** Prof. Dr. Ishrat Islam, Department of URP, BUET

Date: 14.01.2019, Room No.: 804; ECE Building (CSE Wing), West Palashi Campus, BUET

**Paper Theme: EMR**

<b>Code</b>	<b>Title</b>	<b>Author</b>
EMR110	Community Participation in Earthquake Contingency Planning: An Experience from Ward No. 14, Mymensingh Municipality, Bangladesh	U. Barua, T. Akter, M. A. Islam, M. S. Akther, I. Islam, R. Ahsan, M. A. Ansary
EMR111	The Social Capital and Livelihood Recovery Nexus After Cyclone Aila: A Study in The Southwestern Coastal Bangladesh	M.N. Ahsan, Saifullah, M.S. Islam
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