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Centre for Disaster Mitigation and Management,  
 Vellore Institute of Technology (VIT),  
 Vellore 632014, Tamil Nadu, India

and



Geophysical Institute, the  
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**IPMC RAS**  
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 Russian Academy of  
 Sciences, Saratov, RUSSIA

**СНЦ РАН**

Saratov Scientific Center  
 of Russian Academy of  
 Sciences  
 Saratov, RUSSIA

Jointly organized

Virtual International Conference on

# Natural disasters and their Early Warning Systems (NEWS) 2020

Date: 8<sup>th</sup> and 9<sup>th</sup> July 2020



Inauguration 8<sup>th</sup> July 2020

11.00 HRS (INDIA)	08.30 HRS (VLADIKAVKAZ RUSSIA) 09.30 HRS (SARATOV RUSSIA)	23.30 HRS (USA)- FRESNO 7 <sup>TH</sup> JULY 2020
01.30 HRS (USA)- NY 12.30 HRS (THAILAND)	13.30 HRS (MALAYSIA & SINGAPORE)	13.30 HRS (PHILIPPINES)
8.30 HRS (ISREAL)	07.30 HRS (SLOVAKIA)	11.00 HRS (SRILANKA)
09.30 HRS (GEORGIA)	09.30 HRS (UAE)	11.15 HRS (NEPAL)
	06.30 HRS(UK)      07.30 HRS (ITALY)	09.30 HRS (OMAN)

# Schedule for Speakers

Day 1 : 8<sup>th</sup> July 2020

Sl.No	Paper ID	Time	Title	Authors/Presenter	Organization
<b>Day 1 : 8<sup>th</sup> July 2020</b>					
1.	NEWS012	14.50 Hrs (INDIA) 10.20 Hrs (UK)	POTENTIAL APPLICATION OF HIGH FREQUENCY RADAR FOR EARLY DETECTION OF TSUNAMI: AN ANALYSIS OF RECENT INDONESIAN EVENTS	Jack Annison Bestwick	University College of London, UK
2.	NEWS016	15.10 Hrs (INDIA)	LANDSLIDES HAZARD ASSESSMENT ALONG HILL ROADS: AN IMPORTANT ASPECT FOR LANDSLIDE FORECASTING	Shantanu Sarkar and Koushik Pandit	CSIR-Central Building Research Institutem Roorkee, India
3.	NEWS006	15.25Hrs (INDIA) 15.05 Hrs (Nepal)	LOW-COST COMMUNITY BASED LANDSLIDE EARLY WARNING SYSTEMS IN THE NEPAL HIMALAYA.	Thapa Prakash Singh and Basanta Raj Adhikari	Institute of Engineering, Tribhuvan University, Nepal
4.	NEWS003	15.45 Hrs to 16.00 Hrs	LONG-TERM SHORELINE CHANGE ANALYSIS AND IMPACT OF HARD COASTAL STRUCTURES ON SHORELINE A CASE STUDY FROM NAGAPATTINAM TO RAMANATHAPURAM DISTRICT,	C. Prakasam, Aravinth. R, and S Sanjeevi Prasad	Chitkara University, Nepal
5.	NEWS008	16.30 Hrs (INDIA)	SEASONAL RAINFALL FORECASTING MODEL USING ANN FOR NILGIRIS, INDIA - A TOOL FOR DESIGNING A RAINFALL INDUCED LANDSLIDE EARLY WARNING SYSTEM	S. Renuga Devi and Pranay Agarwal	Vellore Institute of Technology, India
6.	NEWS013	16.50 Hrs (INDIA)	INTERANNUAL VARIABILITY OF RAINFALL OVER TAMIL NADU DURING INDIAN OCEAN DIPOLE YEARS	Suchithra Sundaram	Independent Researcher, India
7.	NEWS014	17.10 Hrs (INDIA)	ASSESSING AND CORRELATING THE FLOW DURATION CURVE AND DROUGHT INDEX FOR THE ENVIRONMENTAL FLOW REQUIREMENTS	C. Prakasam, Saravanan R, Varinder S Kanwar, Monika Sharma	Chitkara University, Sikkim, India
8.	NEWS020	17.30 Hrs (INDIA)	DOES NOT TEMPORAL ENHANCEMENT IN STRESS ACCUMULATION WITH DUE EFFECT INCREASE IN GRAVITATIONAL POTENTIAL ENERGY BY LUNAR ALIGNMENT IN WEST OF GLOBAL HEMISPHERE ACCOUNT FOR RECENT SERIES OF TREMORS IN NCR DELHI?	Umesh Prasad Verma, S Singh, MNSinha- Ranvir Nandan, P.K Dutta.	Amity University Jaipur and State Innovative Council Bihar, India

Sl.No	Paper ID	Time	Title	Authors/Presenter	Organization
<b>Day 2 : 9<sup>th</sup> July 2020</b>					
1.	NEWS021	02.20 Hrs (INDIA)  10.50 Hrs (ITALY)	DISASTERS IN DUMPSITES AND WASTE LANDFILLS	<b>Giuseppe Biolatti</b>	GEOSTUDIO - Studio Tecnico Associato, <b>ITALY</b>
2.	NEWS030	02.40 Hrs (INDIA)	SAFETY OF DAMS AND HYDRAULIC STRUCTURES IN THE ERA OF ABNORMALLY HEAVY RAINS	<b>Jayakumar Venkatesan</b> , Kucheyko Alexey Anatolyevich	International Academy of Space Law, Moscow, Russia and CEO, Cygnus Aerospace, <b>UK</b>
3.	NEWS022	03.00 Hrs (INDIA)	A MASSIVE SUPER CYCLONIC AMPHAN - THE BIGGEST NATURAL CALAMITY TO EVER HITS WEST BENGAL & BANGLADESH AND DEVASTATING IMPACTS ON HUMAN LIVES	<b>Abhinaba Gupta</b> , Lopamudra Mondal, Jayita Mandal2, Monami Dutta ,Pranay Karmakar Dr. Nirmal Kr Pradhan	University of Burdwan, <b>India</b>
4.	NEWS024	03.20 Hrs (INDIA)	DISASTER MANAGEMENT FOR FLOOD ANALYSIS ON CHENNAI CITY USING REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEM	<b>J. Saraladevi</b> and Thennarasi Annamalai	Queen Mary's College, Chennai, <b>India</b>
5.	NEWS010	03.40 Hrs (INDIA)	DEVELOPMENT OF SATELLITE IMAGE PROCESSING-BASED AUTOMATED TREE-COUNTING TECHNIQUES IN THE COCONUT FARMS OF CYCLONE AFFECTED CUDDALORE, SOUTHERN INDIA,	Amirtha Varshini. R.L, Angel Cathrin, Durkesh Barath. K, Lasithasree. L, Madhubala. K, <b>Priyadharshini. S.V</b> , Subhamathi. T and Sanjeevi. S	Anna University, <b>India</b>
6.	NEWS027	04.00 Hrs (INDIA)	A STUDY ON IMPLICATIONS OF SOFT STOREY IN SEISMICALLY ACTIVE ZONES	Abhishek Chandra Jha, <b>Ramamohan Rao Pannem</b>	Vellore Institute of Technology, <b>India</b>
7.	NEWS007	04.20 Hrs (INDIA)	FIRE FIGHTING SYSTEM REQUIREMENTS/DESIGN FOR LPG BOTTLING PLANTS	<b>K. NagamalleswaraRao</b> , and Chellinkula Pavan Kumar	Vellore Institute of Technology, Vellore, <b>India</b>
8.	NEWS011	04.40 Hrs (INDIA)	DESIGN OF SEISMIC RESILIENT PILE FOUNDATION OF AN ELEVATED VIADUCT FOR METRO RAIL NETWORK	Akansha Dey and <b>Rama Mohan Rao Pannem</b>	Vellore Institute of Technology, <b>India</b>
9.	NEWS018	05.00 Hrs (INDIA)	TANNERY INDUSTRY IMPACTS AND THEIR CONTROL TO PREVENT ENVIRONMENTAL DISASTERS	<b>S. Shanthakumar</b> , Fulvia Chiampo and G.P. Ganapathy	Vellore Institute of Technology , India