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

and



Geophysical Institute, the  
 affiliate of Vladikavkaz Centre  
 of the Russian Academy of  
 Sciences, Vladikavkaz,  
 RUSSIA



**IPMC RAS**  
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 Mechanics and Control of  
 Russian Academy of Sciences

Institute of Precision  
 Mechanics and Control of  
 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 – Recorded Video

Sl.No	Paper ID	Title	Authors/Presenter	Organization
1.	NEWS 001	INTEGRATED INSTRUMENTAL MONITORING OF HAZARDOUS GEOLOGICAL PROCESSES UNDER THE KAZBEK VOLCANIC CENTER	<b>Dmitry Melkov</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
2.	NEWS002	GEOLOGICAL OBJECTS AND SOIL CONDITIONS IN STRONG-MOTION DATABASES: SITE EFFECT ANALYSIS	Aleksandr Kanukov, and <b>Madina Fidarova</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
3.	NEWS004	URBANIZATION OF THE TERRITORY WITH THE DEVELOPED MINING INDUSTRY AND THE PROBLEM OF ITS ECOLOGICAL STATE REHABILITATION	Dzobelova L.V. and <b>Maysuradze M.V.</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
4.	NEWS005	EFFECT OF ATOMIC-MOLECULAR VIBRATIONS ON MACROSCOPIC PHENOMENA IN REAL SOILS	Tamerlan Magkoev, Vladislav Zaalishvili, and <b>Georgiy Tuaeov</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
5.	NEWS009	NEPAL EARTHQUAKE 2015	<b>Japneet Kaur</b>	Shivalik Institute of Education and Research phase 6 Mohali, <b>India</b>
6.	NEWS015	SEISMIC HAZARD ASSESSMENT OF THE TERRITORY OF NORTH OSSETIA (PROBABILISTIC DETAILED SEISMIC ZONING)	<b>Yuri Chernov</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
7.	NEWS017	ECOGEOLOGICAL FACTORS OF THE ENVIRONMENT OF URBANIZED TERRITORY: VLADIKAVKAZ CASE STUDY	<b>Olga Burdzieva</b> , and Tamaz Zaks	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
8.	NEWS019	TREATMENT OF FALAJ WATER USING SAND FILTER INTEGRATED WITH PHYTO DISINFECTANT	Ibtisam Sulaiman Al Busaidi, Bashair Nasser Said Al Badri, <b>Sreedhar Reddy</b> , Rama Mohan Rao	University of Nizwa, <b>Sultanate of Oman</b>
9.	NEWS023	OPEN TRENCH SEISMIC VIBRATIONS BARRIERS FINITE ELEMENTS MODELLING	<b>Dmitry Melkov</b> , <b>Akhsarbek Gabaraev</b>	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
10.	NEWS025	URBANIZED TERRITORY LOCAL NETWORKS: VLADIKAVKAZ CITY DATABASE	<b>Aleksandr Kanukov</b> and Zarina Persaeva	Geophysical Institute of Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
11.	NEWS026	GEODETTIC AND GEOPHYSICAL EXPLORATION OF LUAR LANDSLIDE, NORTH OSSETIA, RUSSIA	<b>Vladislav Zaalishvili</b> , Khisa Chotchaev, Dmitry Melkov, Boris Dzeranov, Aleksandr Kanukov	Geophysical Institute of the Vladikavkaz Scientific Centre of the Russian Academy of Sciences, <b>Russian Federation</b>
12.	NEWS028	ATMOSPHERIC AND LOW PRESSURE STORAGE TANK SAFETY: A NEW APPROACH FOR VENTING CALCULATIONS	<b>Nagamalleswara Rao</b> , Juma Haydary	Vellore Institute of Technology, Vellore, Tamil Nadu, India, <b>India</b>
13.	NEWS029	SEISMIC EVALUATION OF REINFORCED CONCRETE BRIDGES USING PUSHOVER ANALYSIS	Rahul Sachan and <b>Ramamohan Rao Pannem</b>	Vellore Institute of Technology, Vellore, Tamil Nadu, India, <b>India</b>