



TIEMS 2024 Hybrid Annual Conference in Pune, India

26 -29 November 2024

85 Submissions (under review)
From Authors coming from 20 Countries

Czech Republic, USA, France, Norway, India, Italy, Nepal, Japan, Philippines, Russia, China, Germany, UK, South Africa, Nigeria, Estonia, Poland, Spain, Kenya and Australia

WELCOME to TIEMS 2024 Hybrid Annual Conference

Hosted by the India Chapter of TIEMS
Vasundhara Emergency Management Foundation, India
In Pune, India in November 2024

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NO	AUTHORS	TITLE	COUNTRY
1.	Kåre Harald Drager	CONTRIBUTIONS TO A SAFER WORLD. TIEMS FUTURE PLANS	NORWAY
2.	Kåre Harald Drager	TIEMS INTERNATIONAL CERTIFICATIONS - TQC & TQAC IN A GLOBAL PERSPECTIVE	NORWAY
3.	Dr Yap Chawla and Prof. N. Vinod Chandra Menon	PREPAREDNESS AND EMERGENCY RESPONSE TO HEAT WAVES	INDIA
4.	Rhea Penaflor	EVALUATING THE EFFECTIVENESS OF MASTER OF DISASTER (MOD) BOARD GAME IN ENHANCING DISASTER PREPAREDNESS AND RESPONSE AMONG CHILDREN	PHILLIPPINES
5.	Meen Poudyal Chhetri	HARNESSING SPACE TECHNOLOGIES FOR MANAGING MULTI-HAZARD DISASTER	NEPAL
6.	Meen Poudyal Chhetri	SOCIO-ECONOMIC RAMIFICATIONS AND INSIGHTS FROM THE 2015 GORKHA EARTHQUAKE IN NEPAL	NEPAL
7.	Federico Bartolozzi	A SEISMIC CONSTRUCTION WITH SELF-CENTERING MOVABLE FLOORS	ITALY
8.	Ashutosh Arora and Tanvi Saxena	REAL-TIME HAND POSE EXTRACTION FOR HUMAN-COMPUTER INTERACTION USING COMPUTER VISION	INDIA & USA

9.	Konstantin Todradze and Nikolay Novikov	FORMING OF THE “PERSONAL OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM” THROUGH CONTINUOUS EXPRESS TRAINING OF EMPLOYEES	RUSSIA
10.	Angeli Medina	A CASE STUDY ON CYBER ATTACKS ON UKRAINE AND ITS IMPLICATIONS ON GLOBAL SECURITY	USA
11.	Russell Dippy	PROFESSIONALISATION OF THE EMERGENCY MANAGER IN AUSTRALIA	AUSTRALIA
12.	Sandro Bologna	CRITICAL INFRASTRUCTURE RESILIENCE AND ARTIFICIAL INTELLIGENCE	ITALY
13.	Yosuke Okita and Yosuke Minato	RETHINKING INTERNATIONAL USAR	JAPAN
14.	Yosuke Minato and Yosuke Okita	HUMANITARIAN ASSISTANCE TO UNRECOGNIZED NATIONS -CASE STUDY OF AFGHANISTAN	JAPAN
15.	Brian Holecek <i>Oam Cem Faies</i> and Sergio Pirone <i>Dr. Phd</i>	REAL TIME COMMUNICATION WITH CITIZENS DURING EMERGENCIES	AUSTRALIA & ITALY
16.	Kailash Gupta	MASS-FATALITY AND CAUSALITY MANAGEMENT AFTERMATH OF 2013 RANA PLAZA COLLAPSE, BANGLADESH	INDIA
17.	Thomas Robertson	APPLYING SCIENCE TO CRISIS RESPONSE: OPPORTUNITIES AND CHALLENGES	USA

18.	Josef Leitmann	THE DAY AFTER: LESSONS AND GOOD PRACTICES FOR RECOVERY FROM CONFLICT	USA
19.	Henry Chima Ukwuoma, Gilles Dusserre, Gouenou Coatrieux and Johanne Vincent	A REVIEW OF CYBER PHYSICAL SECURITY OF WATER DISTRIBUTION SYSTEMS	FRANCE
20.	Aditi Tyagi	THE GROWING THREAT OF GLACIAL LAKE OUTBURST FLOODS IN INDIA: CLIMATE CHANGE IMPACTS AND STRATEGIES FOR RESILIENCE	INDIA
21.	Pranali Jadhav, Jitendra Musale and Amruta More	EFFORTLESS E-WASTE DISPOSAL GUIDE TO SUSTAINABLE ELECTRONICS RECYCLING	INDIA
22.	Emmanuel Song Shombot, Gilles Dusserre, Robert Bestak and Nasir Baba Ahmed	MITIGATING CYBER RISKS IN HEALTHCARE: LEVERAGING HISTORICAL DATA FOR FUTURE PROTECTION	FRANCE & CZECH REPUBLIC
23.	Jitendra Musale, Trupti Pakhale, Madhura Pansare and Tejasvi Pahilwan	REAL-TIME OBJECT DETECTION USING ANDROID	INDIA
24.	Guosheng Qu, Haiying Wang and Wenlong Yang	USAR CLASSIFICATION AND CAPACITY BUILDINGS IN CHINA	CHINA
25.	Vinod Menon and Thomas Robertson	APPLICATIONS OF TOOLKITS FOR MULTI-HAZARD PREPAREDNESS AND EMERGENCY RESPONSE	INDIA & USA

26.	Junkun Zhu and Guosheng Qu	ILLUSTRATION AND ACTION PLAN OF RESEARCH AND TRAINING BASE IN KUNMING, YUNNAN PROVINCE, CHINA OF FLYING TIGER HUMP INDUSTRIAL (GROUP) CO., LTD COMBINED WITH THE INTERNATIONAL EMERGENCY MANAGEMENT SOCIETY (TIEMS)	CHINA
27.	Kyle King, Jean Paul Monet and Thomas Robertson	IMPROVING INTEROPERABILITY FOR EU JOINT CIVIL PROTECTION ACTIONS	GERMANY, FRANCE & USA
28.	Jaroslav Pejcoch and Hynek Vychodil	HAVE YOU EVER HAD A PLAN B? AND IF SO, ARE YOU SURE YOU WOULD BE ABLE TO EXECUTE IT?	CZECH REPUBLIC
29.	Sachin Gaur	A RELIABLE CHATBOT SYSTEM FOR QUERIES LINKED WITH EMERGENCIES	NORWAY
30.	Arvind Kumar Jha	THE BURNING HIMALAYAS: UTTARAKHAND'S BATTLE WITH WILDFIRES	INDIA
31.	Sushant Bansal and Ankita Jha	A CITY CHOKING: THE DISASTROUS AIR POLLUTION IN DELHI, INDIA	INDIA
32.	Krishna Chandramouli	A SYSTEMIC FRAMEWORK FOR THE ADOPTION OF INTEGRATED FIRE MANAGEMENT	UK
33.	Dr. Roman Tandlich and Prof. N. Vinod Chandra Menon	ADDRESSING TRAUMA, DEPRESSION AND SUICIDAL TENDENCIES IN VICTIMS OF DISASTERS, CLIMATE CHANGE INDUCED HYDRO-MET DISASTERS AND CONFLICTS	SOUTH AFRICA & INDIA

34.	Gregory Vigneaux	THE BIOLOGY OF RESILIENCE: A DYNAMIC ARCHITECTURE OF MOOD AND SOCIAL-RELATIONAL PROCESSES	USA
35.	Prof. N. Vinod Chandra Menon	INNOVATIVE TECHNOLOGY-DRIVEN ASSISTIVE DEVICES FOR IMPROVING THE QUALITY OF LIVES OF THE PEOPLE WITH DISABILITIES, BEDRIDDEN PEOPLE AND PEOPLE ON WHEEL CHAIRS	INDIA
36.	Raju Thapa	RISK TRANSFER AND DISASTER RISK FINANCING IN NEPAL	NEPAL
37.	Bimlendu Kumar Mishra	LIVING ON THE EDGE: NATURAL DISASTERS AND HUMAN LIFE IN NEPAL	NEPAL
38.	Oluchukwu.C Agbodike	ASSESSMENT AND BENCHMARKING OF PRIMARY HEALTHCARE FACILITIES IN CHANCHAGA LOCAL GOVERNMENT, NIGER STATE, NIGERIA	NIGERIA
39.	Bhaskara Rao Mulam	ROLE OF SCIENCE, TECHNOLOGY, AND INNOVATION (STI) IN STRENGTHENING AND IMPROVING EARLY WARNING SYSTEMS IN SOUTH ASIA FOR REDUCING LOSS AND DAMAGES DURING NATURAL DISASTERS	INDIA
40.	Aditi Tyagi	HEAT WAVES AND MARGINALIZED COMMUNITIES IN INDIA: SOCIOECONOMIC CHALLENGES AND POLICY	INDIA
41.	Wenjiao Zheng	PROBLEMS AND COUNTERMEASURES OF STUDENTS' LIFE EDUCATION	CHINA
42.	Taiwo Adesina	ASSESSMENT OF LIVELIHOOD SUSTAINABILITY PROGRAMMES IN INTERNALLY DISPLACED PERSONS' CAMPS ABUJA, NIGERIA	NIGERIA

43.	Raul Savimaa	DISASTER AND CRISIS PREPAREDNESS OF COMMUNITIES AND ITS IMPORTANCE DURING POLYCRISES	ESTONIA
44.	Harjeet Nath	A PORTABLE WATER PURIFICATION SYSTEM DESIGNED FOR EMERGENCY PURPOSES SUCH AS FLOODS & CYCLONES	INDIA
45.	Jakub Ryzenko, Anna Nk and Emil Wrzosek	2030 HORIZON FOR DRONES IN CIVIL PROTECTION AND CRISIS MANAGEMENT ACTIVITIES	POLAND
46.	Munir Mohammed	ASSESSMENT OF SOCIO-ECONOMIC EFFECT OF COVID-19 LOCKDOWN IN MINNA AND IT'S ENVIRONS	NIGERIA
47.	Qing Zhang	CONSTRUCTION AND PRACTICAL EXPLORATION OF GUANGDONG HONG KONG MACAO GREATER BAY AREA'S PUBLIC SECURITY GOVERNANCE SYSTEM	CHINA
48.	Timothy.B Audu and Prof. J.J Dukiya	ASSESSMENT OF THE EFFECT OF ENVIRONMENTAL FACTORS IN ROAD ACCIDENTS ALONG AKWANGA -LAFIA HIGHWAY, NASARAWA STATE, NIGERIA	NIGERIA
49.	Dr Yp Chawla	BEFORE, DURING AND AFTER - LAND SLIDES HUMAN CREATED DISASTER	INDIA
50.	George Markowsky	UNDERSTANDING GLOBAL WARMING	USA
51.	Bhagat Khanna	ROLE OF PRIVATE SECTOR IN RESILIENCE BUILDING AND DISASTER RISK MANAGEMENT	INDIA
52.	Bhagat Khanna	HUMANITARIAN RAMIFICATIONS OF BILATERAL CONFLICTS	INDIA

53.	Rick Christ and Cody Grasty	RE-THINKING EMERGENCY MANAGEMENT TRAINING FOR EFFECTIVENESS AND ACCESSIBILITY WORLDWIDE	USA
54.	Sujata Kodag and Abhishek Kodag	ASSESSING THE VULNERABILITY OF URBAN POOR TO CLIMATE CHANGE - A CASE OF PUNE, MAHARASHTRA	INDIA
55.	Angeli Medina	A CASE STUDY ON STATE'S RESILIENCE & CIVIL PREPAREDNESS IN TIMES OF GEOPOLITICAL CONFLICTS	USA
56.	Abdul Khalid, Akansha Saklani and Masfick Hazarika	DATA-DRIVEN APPROACH IN THE SELECTION OF VILLAGES FOR STATE-LEVEL CLIMATE RESILIENCE PROGRAM	INDIA
57.	Harjeet Nath	PRACTITIONERS TALK- DELIVERING CLEAN WATER SOLUTIONS: LESSONS FROM FLOOD RELIEF EFFORTS 2022 AND 2024 IN SOUTH ASSAM, INDIA	INDIA
58.	Rajkumar Gade and Jayasree Kuchu	RISK GOVERNANCE IN THE HORN OF AFRICA: ADDRESSING INSTITUTIONAL CAPACITY AND COORDINATION CHALLENGES FACED BY HUMANITARIAN ORGANIZATIONS	INDIA
59.	Dukhi Sah	STRUCTURAL ASSESSMENT OF EXISTING BUILDINGS- ESSENTIAL FOR SEISMIC RESILIENCE IN INDIA	INDIA
60.	Kailash Gupta	INSTALLING AMATEUR RADIO EQUIPMENT WITHIN DISTRICT EOCS TO REDUCE DISASTER MORTALITY	INDIA

61.	Heidi H Coetzee and Eric J Stoch	SHRINKING WINDOWS: THE IMPACT OF CHANGING WEATHER PATTERNS ON WILDLAND FIREBREAK PREPARATION TIME	SOUTH AFRICA
62.	Rashika Tasnim Keya, Ilona Heldal and Cecilia Hammar Wijkmark	EVALUATING NEW TECHNOLOGIES FOR TRAINING TO HANDLE DISASTER PREPAREDNESS FOR STUDENTS - LESSONS AND GOOD PRACTICES FROM A LARGE EUROPEAN PROJECT	NORWAY
63.	Shayla Clarke and Zachary Lee	UTILIZING TECHNOLOGY TO ENSURE A SAFE AND SECURE CAMPUS	USA
64.	Baibhav Patel, Narendra Singh Kachhotiya and N M Prusty	POTENTIAL USE OF DRONE AND ALLIED TECHNOLOGY IN DISASTER MANAGEMENT	INDIA
65.	A S Senthil Vadivel and W G Prasanna Kumar	ENHANCING COMPETENCIES OF STAKEHOLDERS IN DISASTER MANAGEMENT: ISSUES AND SOLUTIONS	INDIA
66.	Bagudu Sadiq Mohamad, Emmanuel Umaru, Idris Mohammed and Gbenga Morenikeji	PERI-URBAN GROWTH AND HOUSING DEVELOPMENT IN MINNA, NIGER STATE NIGERIA	NIGERIA
67.	Ayileke Felix Ojo, Idris Mohammed and Gbenga Morenikeji	ASSESSMENT OF EFFECTS OF BANDITRY ON LIVELIHOOD OF FARMERS IN SHIRORO LOCAL GOVERNMENT AREA IN NIGER STATE, NIGERIA	NIGERIA
68.	Claudia Berchtold	CONSIDERING JUSTICE ASPECTS IN WILDFIRE RISK MANAGEMENT	GERMANY

69.	Kutumba Rao Nathala	NATURAL DISASTERS - AN OVERVIEW, WITH SPECIAL REFERENCE TO LANDSLIDES AND DISASTER MANAGEMENT IN THE INDIAN CONTEXT	INDIA
70.	Nicola Perilli, Angelo Doglioni, Massimiliano Lombardi, Stefano Stacul and Nunziante Squeglia	KEY AREAS, WORKFLOW AND TASKS TO IMPROVE THE COLLECTION OF REMOTE AND GROUND-BASED DATA REQUIRED FOR THE ASSESSMENT OF THE LANDSLIDE CLASS OF ATTENTION OF ITALIAN EXISTING BRIDGES	ITALY
71.	Heidi H Coetzee and Eric T Stoch	SHRINKING WINDOWS: THE IMPACT OF CHANGING WEATHER PATTERNS ON WILDLAND FIRE BREAK PREPARATION TIME	SOUTH AFRICA
72.	Megan Reshay Mokwena and Eric T Stoch	EMPOWERING WOMEN, YOUTH, AND PERSONS WITH DISABILITIES WITH SPECIAL REFERENCE TO WILDFIRES IN THE NORTH-WEST PROVINCE OF SOUTH AFRICA	
73.	Eric T Stoch and Kobus Roux	LEVERAGING TRANSPORTATION INFRASTRUCTURE AS STRATEGIC FIREBREAKS: WITH SPECIAL REFERENCE TO A COLLABORATIVE APPROACH TO COMMUNITY-BASED DISASTER RISK REDUCTION IN THE NORTH-WEST PROVINCE, SOUTH AFRICA	SOUTH AFRICA
74.	Suna Meyer and Eric T Stoch	THE IMPACT OF RESOURCE CONSTRAINTS ON FIREFIGHTING CAPACITY: WITH SPECIAL REFERENCE TO THE NORTH-WEST PROVINCE SOUTH AFRICA	SOUTH AFRICA
75.	Pau Brunet-Navarro, Laia Casafont and Antoni Trasobares	INNOVATIVE SOLUTIONS FOR FIRE RESILIENT TERRITORIES IN EUROPE. PRELIMINARY RESULTS FROM FIRE-RES PROJECT	SPAIN

76.	Probir Roy	EMERGENCY SCENARIOS ON ACCOUNT OF DISASTERS - ROLE OF PRIVATE STAKEHOLDERS	INDIA
77.	Eric T Stoch	DEVELOPING SUSTAINABLE HUMAN SETTLEMENTS IN GOLD MINING AND DOLOMITE-UNDERLAIN AREA WITH SPECIAL REFERENCE TO THE FAR WEST RAND OF SOUTH AFRICA	SOUTH AFRICA
78.	Roman Tandlich and Eric T Stoch	A PERFECT STORM UNMANAGED: THE NORTH WEST PROVINCIAL DISASTER MANAGEMENT CENTRE'S RESPONSE TO FLOODS, DROUGHTS, AND FIRES	SOUTH AFRICA
79.	Eric J Nealer and Eric T Stoch	THE RELEVANCE OF ENGAGED SCHOLARSHIP: MITIGATING MINING IMPACTS ON THE FAR WEST RAND DOLOMITES	SOUTH AFRICA
80.	Eric T Stoch	BRIDGING THE DIVIDE: A COLLABORATIVE FIRE SAFETY MODEL FOR TRIBAL AND KHOI-SAN COMMUNITIES IN SOUTH AFRICA IN THE FACE OF CLIMATE CHANGE AND SOCIO-POLITICAL CHALLENGES	SOUTH AFRICA
81.	Tobias Nauruki	INTEGRATING INDIGENOUS KNOWLEDGE AND MODERN PRACTICES FOR EFFECTIVE DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION IN SUB-SAHARAN AFRICA	KENYA
82.	Binay K Jha	COVID-19 : BEATING A PANDEMIC, THE PEOPLE'S WAY	INDIA
83.	Charvi Hasmukh Shukla	NAVIGATING THE FUTURE OF WORK: A PEOPLE-PROCESS-TECHNOLOGY PERSPECTIVE	INDIA

84.	Charvi Hasmukh Shukla	FOSTERING EXPATRIATE WELL-BEING IN UNCERTAIN ENVIRONMENTS: A MULTIFACETED ANALYSIS	INDIA
85.	Bhaskara Rao Mulam	ROLE OF SCIENCE, TECHNOLOGY, AND INNOVATION (STI) IN STRENGTHENING AND IMPROVING EARLY WARNING SYSTEMS IN SOUTH ASIA FOR REDUCING LOSS AND DAMAGES DURING NATURAL DISASTERS	INDIA