



# TIEMS 2024 VIRTUAL ANNUAL CONFERENCE PROGRAM

25<sup>TH</sup> - 29<sup>TH</sup> NOVEMBER 2024



Day/Chair Time (CET)	Monday 25 <sup>th</sup> November TQC & TQAC Workshop	Tuesday 26 <sup>th</sup> November Chair: Meen Chhetri	Wednesday 27 <sup>th</sup> November Chair: Gilles Dusserre	Thursday 28 <sup>th</sup> November Chair: Roman Tandlich	Friday 29 <sup>th</sup> November Chair: Jaroslav Pejcoch
08:00 - 09:00	Registration and joining instructions for the TQC/TQAC workshop participants	Registration and joining instructions for the participants	Registration and joining instructions for the participants	Registration and joining instructions for the participants	Registration and joining instructions for the participants
09:00 - 10:00	Registration and joining instructions for the TQC/TQAC workshop participants	<a href="#"><u>Conference Official Opening and plenary talk by TIEMS President Kåre Harald Drager - Contributions to a Safer World. TIEMS Future Plans</u></a>	<a href="#"><u>Session 5 Keynote</u></a> Plenary lecture - Brian Holecek Oam Cem Faies and Sergio Pirone Dr.PhD Real Time Communication with Citizens during Emergencies	<a href="#"><u>Session 11 Keynote</u></a> Plenary lecture - Jordi Garcia-Gonzalo - Innovative solutions for fire resilient territories in Europe. Preliminary results from FIRE-RES project	<a href="#"><u>Session 17 Keynote</u></a> Plenary lecture – Theodore Duxbury – Promoting health resilience through epistemically just interventions: an asset-based framework in rural South Africa
10:00 – 10:30	Coffee/Tea Break	Coffee/Tea Break	Coffee/Tea Break	Coffee/Tea Break	Coffee/Tea Break
10:30 – 11:00	<a href="#"><u>TQC &amp; TQAC Workshop</u></a>  Morning (CET)  Instructor K. Harald Drager	<a href="#"><u>Session 1 Keynote</u></a> Plenary lecture – Eva Preinfalk - Considering Justice Aspects in Wildfire Risk Management	<a href="#"><u>Session 6</u></a> Integrated operational systems in emergency and disaster risk management	<a href="#"><u>Session 12</u></a> USAR and training of rescue teams in Asia	<a href="#"><u>Session 18</u></a> Cybersecurity, AI and emergency and disaster risk management
11:00 – 12:00	2. 5 hours	<a href="#"><u>Session 2</u></a> Education and Training in emergency and disaster risk management	<a href="#"><u>Session 7</u></a> Seismic Events, Landslides and their emergency and disaster risk management implications	<a href="#"><u>Session 13</u></a> Ethics, justice and related considerations in emergency and disaster risk management	<a href="#"><u>Session 19</u></a> Challenges in emergency and disaster management in South Africa
12:00 – 13:00		TIEMS Annual General Meeting	<a href="#"><u>Session 8</u></a> Preparedness in emergency disaster risk management	<a href="#"><u>Session 14</u></a> PLENARY LECTURE - Plenary lecture - Kutumba Rao Nathala Natural Disasters -an over view, with special reference to Landslides	<a href="#"><u>Summary and Closing Remarks</u></a>

				and Disaster Management in the Indian context	
13:00 – 14:00	Lunch Break	Lunch Break	Lunch Break	Lunch Break	<b>End of Conference</b>
14:00 – 15:30	<b><u>TQC &amp; TQAC Workshop</u></b>  <b>Afternoon (CET) 2.5 hours Instructor K. Harald Drager</b>	<b><u>Session 3</u></b> Science and Technology in emergency and disaster risk management	<b><u>Session 9</u></b> Vulnerability of human populations in developing countries	<b><u>Session 15</u></b> Humanitarian assistance, response and recovery	
15:30 - 16:00	Coffee/Tea Break	Coffee/Tea Break	Coffee/Tea Break	Coffee/Tea Break	
16:00 – 16:30	<b>Continue</b>	<b><u>Session 4</u></b> Disasters and human impacts in South Asia	<b><u>Session 10</u></b> Climate change and transboundary considerations in emergency and disaster risk management.	<b><u>Session 16</u></b> Stakeholder diversity and relational engagements in disaster risk management	
16:30 – 17:00	<b>Kåre Harald Drager - TIEMS International Certifications - TQC &amp; TQAC in a Global Perspective</b>				
17:00-17:15	<b>Q &amp; A/Summary of day by Chair</b>	<b>Q &amp; A/Summary of day by Chair</b>	<b>Q &amp; A/Summary of day by Chair</b>	<b>Q &amp; A/Summary of day by Chair</b>	
17:20	<b>End of Day 1</b>	<b>End of Day 2</b>	<b>End of Day 3</b>	<b>End of Day 4</b>	

## TIEMS 2024 Online Annual Conference Monday 25<sup>th</sup> November 2024

Chairperson: K. Harald Drager

CEST Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00		REGISTRATION		
09:00 17:00		TQC/TQAC WORKSHOP (VIRTUAL) PRESENTER: <a href="#">K. HARALD DRAGER</a>		

## TIEMS 2024 Online Annual Conference Tuesday 26<sup>th</sup> November 2024

Chairperson: Professor Meen Chhetri, TIEMS, Nepal/Australia

Time CEST	Presenter/ <b>Authors</b>	Title	Organization(s)	Country
08:00 09:00	<b>REGISTRATION</b>			
09:00 10:00	CONFERENCE OFFICIAL OPENING AND PLENARY LECTURE BY TIEMS PRESIDENT <b>KÅRE HARALD DRAGER - CONTRIBUTIONS TO A SAFER WORLD AND TIEMS FUTURE PLANS</b>			
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 11:00	SESSION 1 <b>PLENARY LECTURE - CLAUDIA BERCHTOLD - CONSIDERING JUSTICE ASPECTS IN WILDFIRE RISK MANAGEMENT PRESENTED BY EVA PREINFALK</b>			
11:00 12:30	SESSION 2 <b>EDUCATION AND TRAINING IN EMERGENCY AND DISASTER RISK MANAGEMENT</b>			
11:00 11:15	<b>Russell Dippy</b>	PROFESSIONALISATION OF THE EMERGENCY MANAGER IN AUSTRALIA	Charles Sturt University	<b>AUSTRALIA</b>
11:15 11:30	<b>Rashika Tasnim Keya, Ilona Heldal and Cecilia Hammar Wijkmark</b>	EVALUATING NEW TECHNOLOGIES FOR TRAINING TO HANDLE DISASTER PREPAREDNESS FOR STUDENTS - LESSONS AND GOOD PRACTICES FROM A LARGE EUROPEAN PROJECT	Western Norway University	<b>NORWAY</b>
11:30 11:45	<b>Rhea Penaflor</b>	EVALUATING THE EFFECTIVENESS OF MASTER OF DISASTER (MOD) BOARD GAME IN ENHANCING DISASTER PREPAREDNESS AND RESPONSE AMONG CHILDREN	Trinity University of Asia	<b>PHILIPPINES</b>
11:45 12:00	<b>A S Senth Vadiavel and W G Prasanna Kumar</b>	ENHANCING COMPETENCIES OF STAKEHOLDERS IN DISASTER MANAGEMENT: ISSUES AND SOLUTIONS	Indian Disaster Management	<b>INDIA</b>

12:00 12:15	<b>Rick Christ and Cody Grasty</b>	RE-THINKING EMERGENCY MANAGEMENT TRAINING FOR EFFECTIVENESS AND ACCESSIBILITY WORLDWIDE	Crisis Prevention & Response, Inc./ DC Homeland Security and Emergency Management Agency	<b>USA</b>
12:15 12:30	<b>QUESTION AND ANSWER SESSION FOR THE MORNING SESSION.</b>			
12:30 13:30	<b>TIEMS ANNUAL GENERAL MEETING ONLY FOR TIEMS MEMBERS</b>			
13:30 14:00	<b>LUNCH</b>			
14:00 15:30	<b>SESSION 3 SCIENCE AND TECHNOLOGY IN EMERGENCY AND DISASTER RISK MANAGEMENT</b>			
14:00 14:15	<b>Harjeet Nath</b>	A PORTABLE WATER PURIFICATION SYSTEM DESIGNED FOR EMERGENCY PURPOSES SUCH AS FLOODS & CYCLONES	Tripura University (A Central University)	<b>INDIA</b>
14:15 14:30	<b>Bhaskara Rao Mulam</b>	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	<b>Rajiv Gandhi University of Knowledge Technologies</b>	<b>INDIA</b>
14:30 14:45	<b>Jakub Ryzenko, Anna Nk and Emil Wrzosek</b>	2030 HORIZON FOR DRONES IN CIVIL PROTECTION AND CRISIS MANAGEMENT ACTIVITIES	<b>Crisis Information Centre CBK PAN</b>	<b>POLAND</b>
14:45 15:00	<b>Shayla Clarke and Zachary Lee</b>	UTILIZING TECHNOLOGY TO ENSURE A SAFE AND SECURE CAMPUS	<b>STONY BROOK UNIVERSITY</b>	<b>USA</b>
15:00 15:15	<b>Thomas Robertson</b>	APPLYING SCIENCE TO CRISIS RESPONSE: OPPORTUNITIES AND CHALLENGES	<b>Thinking TEAMS/TIEMS North America</b>	<b>USA</b>
15:15 15:30	<b>Baibhav Patel, Narendra Singh Kachhotiya and N M Prusty</b>	POTENTIAL USE OF DRONE AND ALLIED TECHNOLOGY IN DISASTER MANAGEMENT	BonV Aero/ Drones 4 Humanity (D4H)/ CDDMASS	<b>INDIA</b>
15.30 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 4 DISASTERS AND HUMAN IMPACTS IN SOUTH ASIA</b>			
16:00 16:15	<b>Dukhi Sah</b>	STRUCTURAL ASSESSMENT OF EXISTING BUILDINGS- ESSENTIAL FOR SEISMIC RESILIENCE IN INDIA	Independent Practitioner	<b>INDIA</b>

16:15 16:30	<b>Sushant Bansal and Ankita Jha</b>	<b>A CITY CHOKING: THE DISASTROUS AIR POLLUTION IN DELHI, INDIA</b>	Independent Researchers	<b>INDIA</b>
16:30 16:45	<b>Raju Thapa</b>	<b>RISK TRANSFER AND DISASTER RISK FINANCING IN NEPAL</b>	Disaster Preparedness Network	<b>NEPAL</b>
16:45 17:00	<b>Bimlendu Kumar Mishra</b>	<b>LIVING ON THE EDGE: NATURAL DISASTERS AND HUMAN LIFE IN NEPAL</b>	Tribhuvan University	<b>NEPAL</b>
17:00 17:15	<b>Harjeet Nath</b>	<b>DELIVERING CLEAN WATER SOLUTIONS: LESSONS FROM FLOOD RELIEF EFFORTS 2022 AND 2024 IN SOUTH ASSAM, INDIA.</b>	Tripura University (A Central University)	<b>INDIA</b>
17:15 17:30	<b>QUESTION AND ANSWER SESSION</b>			
17:30	<b>SUMMARY OF DAY 2 BY CHAIR: MEEN CHHETRI</b>			
17:40	<b>END OF CONFERENCE DAY 2</b>			

## TIEMS 2024 Online Annual Conference Wednesday 27<sup>th</sup> November 2024

Chairperson: Professor Gilles Dusserre, University of Nîmes, France

CEST Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00	REGISTRATION			
09:00 10:00	SESSION 5 PLENARY LECTURE - BRIAN HOLECEK OAM CEM FAIES AND SERGIO PIRONE DR.PHD REAL TIME COMMUNICATION WITH CITIZENS DURING EMERGENCIES			
10:00 10:30	COFFEE/TEA/WATER			
10:30 11:00	SESSION 6 INTEGRATED OPERATIONAL SYSTEMS IN EMERGENCY AND DISASTER RISK MANAGEMENT			
10:30 10:45	Kyle King, Jean Paul Monet and Thomas Robertson	IMPROVING INTEROPERABILITY FOR EU JOINT CIVIL PROTECTION ACTIONS	CBI/TIEMS/THINKING TEAMS	USA/France
10:45 11:00	Krishna Chandramouli	A SYSTEMIC FRAMEWORK FOR THE ADOPTION OF INTEGRATED FIRE MANAGEMENT	Venaka Treleaf GbR	UNITED KINGDOM
SESSION 7 SEISMIC EVENTS, LANDSLIDES AND THEIR IMPLICATIONS IN EMERGENCY AND DISASTER RISK MANAGEMENT				
11:00 11:15	Federico Bartolozzi	A SEISMIC CONSTRUCTION WITH SELF-CENTERING MOVABLE FLOORS	Independent Researcher	ITALY
11:15 11:30	Meen Poudyal Chhetri	SOCIO-ECONOMIC RAMIFICATIONS AND INSIGHTS FROM THE 2015 GORKHA EARTHQUAKE IN NEPAL	Queensland University of Technology	NEPAL/AUSTRALIA
11:30 11:45				
11:45 12:00	QUESTION AND ANSWER SESSION			
12:00 13:00	SESSION 8 PREPAREDNESS IN EMERGENCY AND DISASTER RISK MANAGEMENT			
12:00 12:15	Jaroslav Pejcoch	HAVE YOU EVER HAD A PLAN B? AND IF SO, ARE YOU SURE YOU WOULD BE ABLE TO EXECUTE IT?	T-Soft	CZECHIA

12:15 12:30	<b>Emma D. Chapman and Roman Tandlich</b>	<b>SOUTH AFRICA - HUMAN SECURITY AND THE EXTRAORDINARY SITUATIONS WE FACE</b>	<b>TIEMS/STENDEN SOUTH AFRICA</b>	<b>SOUTH AFRICA</b>
12:30 12:45	<b>Meen Poudyal Chhetri</b>	<b>HARNESSING SPACE TECHNOLOGIES FOR MANAGING MULTI-HAZARD DISASTERS</b>	<b>Queensland University of Technology</b>	<b>NEPAL/AUSTRALIA</b>
12:45 13:00	<b>Eric T Stoch and Kobus Roux</b>	<b>LEVERAGING TRANSPORTATION INFRASTRUCTURE AS STRATEGIC FIREBREAKS: WITH SPECIAL REFERENCE TO PREPAREDNESS AND COMMUNITY-BASED DISASTER RISK REDUCTION IN THE NORTH WEST PROVINCE, SOUTH AFRICA</b>	<b>Northwest Umbrella Fire Protection Association</b>	<b>SOUTH AFRICA</b>
13:00 13:15	<b>QUESTION AND ANSWER SESSION</b>			
13:15 14:00	<b>LUNCH</b>			
14:00 15:30	<b>SESSION 9 VULNERABILITY OF HUMAN POPULATIONS IN DEVELOPING COUNTRIES</b>			
14:00 14:15	<b>Taiwo Adesina</b>	<b>ASSESSMENT OF LIVELIHOOD SUSTAINABILITY PROGRAMMES IN INTERNALLY DISPLACED PERSONS' CAMPS ABUJA, NIGERIA.</b>	<b>Independent Researcher</b>	<b>NIGERIA</b>
14:15 14:30	<b>Munir Mohammed</b>	<b>ASSESSMENT OF SOCIO-ECONOMIC EFFECT OF COVID-19 LOCKDOWN IN MINNA AND IT'S ENVIRONS. SUJATA KODAG AND ABHISHEK KODAG ASSESSING THE VULNERABILITY OF URBAN POOR TO CLIMATE CHANGE - A CASE OF PUNE, MAHARASHTRA</b>	<b>Centre for Disaster Risk Management and Development Studies Federal University of Technology Minna Nigeria</b>	<b>NIGERIA</b>
14:30 14:45	<b>Bagudu Sadiq Mohamad, Emmanuel Umaru, Idris Mohammed and Gbenga Morenikeji</b>	<b>PERI-URBAN GROWTH AND HOUSING DEVELOPMENT IN MINNA, NIGER STATE NIGERIA</b>	<b>Centre for Disaster Risk Management and Development Studies Federal University of Technology Minna Nigeria</b>	<b>NIGERIA</b>
14:45 15:00	<b>Ayileke Felix Ojo, Idris Mohammed and Gbenga Morenikeji</b>	<b>ASSESSMENT OF EFFECTS OF BANDITRY ON LIVELIHOOD OF FARMERS IN SHIRORO LOCAL GOVERNMENT AREA IN NIGER STATE, NIGERIA.</b>	<b>Centre for Disaster Risk Management and Development Studies Federal University of Technology Minna Nigeria</b>	<b>NIGERIA</b>



15:00 15:15	<b>Rajkumar Gade and Jayasree Kuchu</b>	<b>RISK GOVERNANCE IN THE HORN OF AFRICA: ADDRESSING INSTITUTIONAL CAPACITY AND COORDINATION CHALLENGES FACED BY HUMANITARIAN ORGANIZATIONS</b>	Independent Consultant/Vasavi College of Engineering,Hyderabad, Telangana,India	<b>INDIA</b>
15:15 15:30	<b>Megan Reshay Mokwena and Eric T Stoch</b>	<b>EMPOWERING WOMEN, YOUTH, AND PERSONS WITH DISABILITIES WITH SPECIAL REFERENCE TO WILDFIRES IN THE NORTH WEST PROVINCE OF SOUTH AFRICA</b>	Northwest Umbrella Fire Protection Association	<b>SOUTH AFRICA</b>
15:30 15:45	<b>QUESTION AND ANSWER SESSION</b>			
15.45 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 10 CLIMATE CHANGE AND TRANSBOUNDARY CONSIDERATIONS IN EMERGENCY AND DISASTER RISK MANAGEMENT</b>			
16:00 16:15	<b>George Markowsky</b>	<b>UNDERSTANDING GLOBAL WARMING</b>	Kennesaw State University	<b>USA</b>
16:15 16:30	<b>Raul Savimaa</b>	<b>DISASTER AND CRISIS PREPAREDNESS OF COMMUNITIES AND ITS IMPORTANCE DURING POLYCRISES</b>	Estonian Academy of Security Sciences; CESERE	<b>ESTONIA</b>
16:30 16:45	<b>Laura-Madalina Lixandru</b>	<b>TACKLING THE SILENT PANDEMIC: ONE HEALTH STRATEGIES AGAINST DISSEMINATED ANTIMICROBIAL RESISTANCE</b>	Estonian University of Life Sciences	<b>ESTONIA</b>
16:45 17:00	<b>Abdul Khalid, Akansha Saklani and Masfick Hazarika</b>	<b>DATA-DRIVEN APPROACH IN THE SELECTION OF VILLAGES FOR STATE-LEVEL CLIMATE RESILIENCE PROGRAM</b>	WRI India	<b>INDIA</b>
17:00 17:15	<b>QUESTION AND ANSWER SESSION</b>			
17:15	<b>SUMMARY OF DAY 3 BY CHAIR: GILLES DUSSERRE</b>			
17:20	<b>END OF CONFERENCE DAY 3</b>			

## TIEMS 2024 Online Annual Conference Thursday 28<sup>th</sup> November 2024

**Chairperson: Professor Roman Tandlich, TIEMS, South Africa**

CEST Time	Presenter/ <a href="#">Authors</a>	Title	Organization(s)	Country
08:00 09:00	REGISTRATION			
09:00 10:00	SESSION 11 PLENARY LECTURE - PAU BRUNET-NAVARRO, LAIA CASAFONT AND ANTONI TRASOBARES - INNOVATIVE SOLUTIONS FOR FIRE RESILIENT TERRITORIES IN EUROPE. PRELIMINARY RESULTS FROM FIRE-RES PROJECT PRESENTED BY JORDI GARCIA-GONZALO			
10:00 10:30	COFFEE/TEA/WATER			
10:30 11:00	SESSION 12 USAR AND TRAINING OF RESCUE TEAMS IN ASIA			
10:30 10:45	<b>Guosheng Qu, Haiying Wang and Wenlong Yang</b>	USAR CLASSIFICATION AND CAPACITY BUILDINGS IN CHINA	Resilient City Research Center of Hangzhou City University, China/ National Earthquake Response Support Service (NERSS), China Earthquake Administration/ Beijing Boya Anzhou Co., Ltd., China	<b>CHINA</b>
10:45 11:00	<b>Junkun Zhu and Guosheng Qu</b>	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)	Flying Tiger Hump Industrial (Group) Co., Ltd., Kunming, Yunnan Province, China/ Resilient City Research Center of Hangzhou City University, China	<b>CHINA</b>
11:00 12:00	SESSION 13 ETHICS, JUSTICE AND RELATED CONSIDERATIONS IN EMERGENCY AND DISASTER RISK MANAGEMENT			

11:00 11:15	<b>Maame Ansah and Roman Tandlich</b>	<b>ROLE OF NONGOVERNMENTAL ORGANISATIONS IN THE MANAGEMENT OF ANIMAL WELFARE DURING DISASTERS</b>	Rhodes University	<b>SOUTH AFRICA</b>
11:15 11:30	<b>Tobias Nauruki</b>	<b>INTEGRATING INDIGENOUS KNOWLEDGE AND MODERN PRACTICES FOR EFFECTIVE DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION IN SUB-SAHARAN AFRICA</b>	<b>AIPRC</b>	<b>KENYA</b>
11:30 11:45	<b>Eric T Stoch</b>	<b>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</b>	Northwest Umbrella Fire Protection Association	<b>SOUTH AFRICA</b>
11:45 12:00	<b>Binay K Jha</b>	<b>COVID-19 : BEATING A PANDEMIC, THE PEOPLE'S WAY</b>	MyPlanetSmiles	<b>INDIA</b>
12:00 12:15	<b>QUESTION AND ANSWER SESSION</b>			
12:15 13:15	<b>SESSION 14 KEYNOTE - PLENARY LECTURE - KUTUMBA RAO NATHALA NATURAL DISASTERS -AN OVER VIEW, WITH SPECIAL REFERENCE TO LANDSLIDES AND DISASTER MANAGEMENT IN THE INDIAN CONTEXT</b>			
13:15 14:00	<b>LUNCH</b>			
14:00 15:30	<b>SESSION 15 HUMANITARIAN ASSISTANCE, RESPONSE AND RECOVERY IN EMERGENCY AND DISASTER RISK MANAGEMENT</b>			
14:00 14:15	<b>Josef Leitmann</b>	<b>THE DAY AFTER: LESSONS AND GOOD PRACTICES FOR RECOVERY FROM CONFLICT</b>	<b>Rapid Assessment, Planning and Implementation for Development (RAPID LLC)</b>	<b>USA</b>
14:15 14:30	<b>Yosuke Okita and Yusuke Minato</b>	<b>RETHINKING INTERNATIONAL USAR</b>	Keio University/ Japan International Development Agency	<b>JAPAN</b>
14:30 14:45	<b>Free Slot</b>	<b>FREE SLOT</b>	Free Slot	<b>FREE SLOT</b>
14:45 15:00	<b>Bhagat Khanna</b>	<b>ROLE OF PRIVATE SECTOR IN RESILIENCE BUILDING AND DISASTER RISK MANAGEMENT</b>	UNDRR ARISE GLOBAL BOARD GENEVA	<b>SWITZERLAND</b>

15:00 15:15	<b>Bhagat Khanna</b>	HUMANITARIAN RAMIFICATIONS OF BILATERAL CONFLICTS	UNDRR ARISE GLOBAL BOARD GENEVA	SWITZERLAND
15:15 15:30	QUESTION AND ANSWER SESSION			
15:30 16:00	COFFEE/TEA/WATER			
16:00 17:00	SESSION 16 STAKEHOLDER DIVERSITY AND RELATIONAL ENGAGEMENTS IN DISASTER RISK MANAGEMENT			
16:00 16:15				
16:15 16:30	<b>Probir Roy</b>	EMERGENCY SCENARIOS ON ACCOUNT OF DISASTERS - ROLE OF PRIVATE STAKEHOLDERS	Alize Capital India	INDIA
16:30 16:45	<b>Eric J Nealer and Eric T Stoch</b>	THE RELEVANCE OF ENGAGED SCHOLARSHIP: MITIGATING MINING IMPACTS ON THE FAR WEST RAND DOLOMITES	University of South Africa/ Northwest Umbrella Fire Protection Association	SOUTH AFRICA
16:45 17:00	<b>Gregory Vigneaux</b>	THE BIOLOGY OF RESILIENCE: A DYNAMIC ARCHITECTURE OF MOOD AND SOCIAL-RELATIONAL PROCESSES	Operational Coherence	USA
17:00 17:15	QUESTION AND ANSWER SESSION			
17:20	SUMMARY OF DAY 4 BY CHAIR: PROFESSOR ROMAN TANDLICH			

## TIEMS 2024 Online Annual Conference Friday 29<sup>st</sup> November 2024

Chairperson: Jaroslav Pejcoch, T-Soft, Czech Republic

CEST Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00	REGISTRATION			
09:00 10:00	SESSION 17 KEYNOTE - PLENARY LECTURE - THEODORE DUXBURY - PROMOTING HEALTH RESILIENCE THROUGH EPISTEMICALLY JUST INTERVENTIONS: AN ASSET-BASED FRAMEWORK IN RURAL SOUTH AFRICA			
10:00 10:30	COFFEE/TEA/WATER			
10:30 11:30	SESSION 18 CYBERSECURITY, AI, AND REMOTE DATA COLLECTION IN EMERGENCY AND DISASTER RISK MANAGEMENT			
10:30 10:45	Henry Chima Ukwuoma, Gilles Dusserre, Gouenou Coatrieux and Johanne Vincent -	A REVIEW OF CYBER PHYSICAL SECURITY OF WATER DISTRIBUTION SYSTEMS	IMT Mines Ales	FRANCE
10:45 11:00	Emmanuel Song Shombot, Gilles Dusserre, Robert Bestak and Nasir Baba Ahmed	MITIGATING CYBER RISKS IN HEALTHCARE: LEVERAGING HISTORICAL DATA FOR FUTURE PROTECTION	IMT Mines Ales	FRANCE
11:00 11:15	Sachin Gaur	A RELIABLE CHATBOT SYSTEM FOR QUERIES LINKED WITH EMERGENCIES	Mixorg	NORWAY
11:15 11:30	Nicola Perilli, Angelo Doglioni, Massimiliano Lombardi, Stefano Stacul and Nunzianta 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	Pisa University/Polytechnic University of Bari	ITALY
11:30 11:45	QUESTION AND ANSWER SESSION			
11:45 13:00	SESSION 19 CHALLENGES IN EMERGENCY AND DISASTER MANAGEMENT IN SOUTH AFRICA			
11:45 12:00	Heidi H Coetzee and Eric J Stoch	SHRINKING WINDOWS: THE IMPACT OF CHANGING WEATHER PATTERNS ON WILDLAND FIREBREAK PREPARATION TIME	Northwest Umbrella Fire Protection Association	SOUTH AFRICA
12:00 12:15	Suna Meyer and Eric T Stoch	THE IMPACT OF RESOURCE CONSTRAINTS ON FIREFIGHTING CAPACITY: WITH SPECIAL REFERENCE TO THE NORTH WEST PROVINCE SOUTH AFRICA	Northwest Umbrella Fire Protection Association	SOUTH AFRICA

12:15 12:30	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	Northwest Umbrella Fire Protection Association	SOUTH AFRICA
12:30 12:45	Eric T Stoch and Roman Tandlich	PERFECT STORM UNMANAGED: THE NORTH WEST PROVINCIAL DISASTER MANAGEMENT CENTRE'S RESPONSE TO FLOODS, DROUGHTS, AND FIRES	Northwest Umbrella Fire Protection Association	SOUTH AFRICA
12:45 13:00	Angeli Medina	A CASE STUDY ON CYBER ATTACKS ON UKRAINE AND ITS IMPLICATIONS ON GLOBAL SECURITY.	NYHHS/UNVGA	USA
13:00 13:15	<b>QUESTIONS AND ANSWER SESSION</b>			
13:15 13:30	<b>SUMMARY OF DAY 5 BY CHAIR: JAROSLAV PEJCOCH</b>			
13:30 13:40 -	<b>CLOSING REMARKS K. HARALD DRAGER</b>			
13:40	<b>END OF CONFERENCE</b>			

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