

TIEMS 2023 HYBRID ANNUAL CONFERENCE PROGRAM

PORT ALFRED, SOUTH AFRICA, 11TH - 15TH SEPTEMBER 2023



Day/Chair Time CEST	Monday 11 th September	Monday 11 th September Chair: Juliet Chipumuro	Tuesday 12 th September Chair: Roman Tandlich	Wednesday 13 th September Chair: Siviwe Shwababa	Thursday 14 th September Chair: Stenden DM academic	Friday 15 th September Chair: Rene Oosthuizen	Friday 15 th September
0800 0830	Workshop Registration fo	or Workshop/ Conference	Registration for Conference	Registration for Conference	Registration for Conference	Registration for W Conference	•
0830 0900	Conferen	nce Official Opening	Session 5 30 th Anniversary	Session 9 Panel Discussion	Session 14 Panel Discussion	Comercia	
0900 1000	TQC & TQAC Workshop Physical Instructor: K. Harald Drager	Session 1 Emergency and Disaster Management in South Africa and Botswana	Presentation by TIEMS President Panel Discussion on TIEMS International Certification – TQC & TQAC	Artificial Intelligence Use, Benefits and Challenges in Emergency Management	Smart City Operational and Technological Solutions for Improved Public Safety	Session 19 Multitude of Challenges in Crisis, Emergency and Disaster Risk management	Morkshop Physical Instructor: K. Harald Drager
1000 - 1030		Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Te	ea
1030 1100 1100 1200 1200 1300	TQC & TQAC Workshop Physical	Session 2 Keynote Godwell Nhamo Southern African Disaster Risk Management and Human Security Southern African Disaster Risk Management and Organisational Considerations	Session 6 Disaster Healthcare, Challenges and Adaptive Planning TIEMS Annual General Meeting	Session 10 Keynote Meen Chhetri The Role of Good Governance for Effective Disaster Risk Reduction and Management Special Session Early Warning and Hydrometeorological Disasters Session 11 Panel Discussion Health and Wellbeing during Disasters	Session 15 Keynote Juliet Chipumuro or Stenden South Africa Academics from School of Disaster Management Session 16 Public Awareness, Administration and Community Engagement in Crises, Emergencies and Disasters	Session 20 Contemporary Challenges in the Crisis, Emergency and Disaster Risk Management	TQC & TQAC Workshop Physical
1300 1350 1350 1530	Lunch TQC & TQAC Workshop Physical	Lunch Session 3 Cybersecurity and Artificial Intelligence in Crises, Emergencies & Disasters	Lunch Session 7 Modelling, Vulnerability and Uncertainty in Crisis, Emergency and Disaster Risk Management	Lunch Session 12 Emergency Management, Education and Society	Lunch Session 17 International Dimensions of Crisis, Emergency and Disaster Risk Management	Lunch Session 21 Keynote Post-Covid19 Context in Crisis, Emergency and Disaster Risk Management	Lunch TQC & TQAC Workshop Physical

1530 1600		Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea	
1600 1630	TQC & TQAC	Session 4	Session 8	Special Session	Session 18	Session 21	TQC & TQAC
	Workshop	Drones and Satellite	Hydrometeorological	Academic Publishing	TIEMS 2024 in India	Post-Covid19	Workshop
	Physical	Technology in	Disasters, Water	and Emergency/Disaster	and Military/Security	Context in Crisis,	Virtual
		Emergency and	Security and Emergency	Risk Management	Applications in Crisis,	Emergency and	
1630 1700		Disaster Risk	Planning	Session 13	Emergency and	Disaster Risk	
		Management		Citizen Preparedness	Disaster Risk	Management	
				and Community Role in	Management		
				Crisis, Emergency and			
1700 1800	E	nd of Day 1	End of Day 2	Disaster Risk	Student Poster	Summary and Closi	ng Remarks
				Management	<u>Presentations</u>		
1800 1830			Free time	Free Time	End of Day 4	End of Confe	rence
1830 2130			Welcome Reception	Conference Gala			
				Dinner			

Sponsored by (more sponsors are welcome):



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Stenden South Africa is a unique Higher Education Institution based in the seaside town of Port Alfred. Established in 2001, it prides itself with an impressive track record of top-quality higher education.



Pacific Disaster Center - PDC located in Hawaii conducts research and analysis on a variety of subjects related to disaster risk and preparedness worldwide.

DAILY SCHEDULES

TIEMS 2023 Hybrid Annual Conference Monday 11th September 2023

Chairperson: K. Harald Drager

TIME	Presenter/Authors	Title	Organization(s)	Country
CEST				
08:00		REGISTRATION		
09:00				
09:00				
17:00		TQC/TQAC WORKSHOP (PHYSICAL)		
		INSTRUCTOR: K. HARALD DRAGER		

TIEMS 2023 Hybrid Annual Conference Monday 11th September 2023

Chairperson: Juliet Chipumuro, Stenden South Africa, South Africa

Time	Presenter/Authors	Title	Organization(s)	Country
CEST				
08:00				
08:30		REGISTRATION		
08:30		SESSION 1		
10:00		INTRODUCTION TO DAY 1 BY CHAIRS: JULIET CHIPUMURO	0	
	SOUT	THERN AFRICAN DISASTER RISK MANAGEMENT AND HUMAN		
08:30	K. Harald Drager/Roman	OPENING OF THE CONFERENCE	TIEMS	NORWAY
08:45	Tandlich			SOUTH AFRICA
08:45	Wouter Hessens and	WELCOME MESSAGE FROM THE ORGANISING INSTITUTIONS	Stenden South Africa and	SOUTH AFRICA
09:00	Sandile Khamanga		Rhodes University	
09:00	Suna Meyer and Eric T.	THE STATUS QUO OF FIRE BRIGADE SERVICES IN THE	Northwest University/	SOUTH AFRICA
09:20	Stoch	NORTH-WEST PROVINCE AND THEIR RELATIONSHIP WITH	Northwest Provincial	
		THE FIRE PROTECTION ASSOCIATIONS	Umbrella FPA	

09:20 09:40	Dithapelo Lefoko Keorapetse and Stanley	DISASTER MANAGEMENT IN A PANDEMIC: BOTSWANA'S RESPONSE TO THE COVID-19 PANDEMIC AND ITS	University of Bostwana	BOTSWANA
07.40	Ehiane	IMPLICATION ON DEMOCRACY		
09:40	Christopher Dick-Sagoe	ENHANCING DISASTER PREPAREDNESS FOR EFFECTIVE	University of Bostwana	BOTSWANA
10:00		RESPONSE: ASSESSING THE PERFORMANCE OF THE NATIONAL DISASTER MANAGEMENT ORGANIZATION,		
		GHANA		
10:00		COFFEE/TEA/WATER		
10:30				
10:30		SESSION 2		
13:00	SOUTHERN AF	RICAN DISASTER RISK MANAGEMENT AND ORGANISATIONAL	_ CONSIDERATIONS	
10:30	Godwell Nhamo	Keynote	University of South Africa	SOUTH AFRICA
11:00		SOUTHERN AFRICAN DISASTER RISK MANAGEMENT AND HUMAN SECURITY		
11:00	Emma D. Chapman and	ANALYSIS OF PUBLIC AND PARLIAMENTARY DISCOURSE IN	Rhodes University	SOUTH AFRICA
11:20	Roman Tandlich	SOUTH AFRICA RELATED TO ACCOUNTABILITY AND COVID19		
11:20	Sonwabo Namba and	SENDAI SUSTAINABLE DEVELOPMENT GOALS RELATED TO	Northwest University and	SOUTH AFRICA
11:40	Eric T. Stoch	DISASTER RISK REDUCTION WITH SPECIAL REFERENCE TO FIRE PROTECTION ASSOCIATIONS	Northwest Provincial Umbrella FPA	
11:40	K. Mogomotsi, W. L.	CLIMATE CHANGE AND ADAPTATION OF RESCUE AND	University of Botswana	BOTSWANA
12:00	Hambira, G.E.J. Mogomotsi and Stanley Ehiane	RESPONSE FORCES IN BOTSWANA: POLICY ANALYSIS		
12:00	Edric Jonathan Stoch,	INTER-ORGANISATIONAL CONFLICT AND THE IMPACT OF	Northwest University	SOUTH AFRICA
12:20	Heidi Helene Coetzee	JURISDICTION ON INCIDENT COMMAND: WITH SPECIAL		
	and Eric Joseph Stoch	REFERENCE TO THE NORTH WEST PROVINCE OF SOUTH AFRICA		
12:20	Eric Thabo Stoch and	POTENTIAL INTERNATIONAL DISPUTE BETWEEN	Rhodes University and	SOUTH AFRICA
12:40	Roman Tandlich	BOTSWANA AND SOUTH AFRICA TRIGGERED BY CROSS- BORDER FIRES	Northwest Provincial Umbrella FPA	
12:40	Kailash Gupta and	DISASTER DECEASED/ INJURED TISSUES	Amity University Jaipur	INDIA
13:00	Pankaj Sharma	TRANSPLANTATION		
13:00 13:50		LUNCH		
13:50		SESSION 3		
15:30	CYRERSEC	URITY AND ARTIFICIAL INTELLIGENCE IN CRISES/EMERGENC	IFS/DISASTERS	
	CIDENSEC	J	JIES, SIGNOTEINS	

16:20 16:40 16:40 17:00	Kobierzycka, Jakub Ryzenko and Emil Wrzosek Eirini Marinou, Efthymios Magkoufis, Christos Kontopoulos and Vasiliki Charalampopoulou	AERIAL SYSTEMS (UAS) AND THEIR APPLICATIONS IN THE FIELD OF DISASTER RESPONSE CLUSTER OF INTEROPERABLE AND HOLISTIC CIVIL PROTECTION SYSTEMS (CO-PROTECT): THE ROLE OF GEOSPATIAL DATA MANAGEMENT AND VISUALIZATION FOR ENHANCING GREECE'S RESPONSE TO NATURAL DISASTERS SUMMARY OF DAY 1 BY CHAIR: JULIET CHIPUMURO	Geosystems Hellas S.A.	GREECE
16:40 16:40	Ryzenko and Emil Wrzosek Eirini Marinou, Efthymios Magkoufis, Christos Kontopoulos and Vasiliki	CLUSTER OF INTEROPERABLE AND HOLISTIC CIVIL PROTECTION SYSTEMS (CO-PROTECT): THE ROLE OF GEOSPATIAL DATA MANAGEMENT AND VISUALIZATION FOR	Geosystems Hellas S.A.	GREECE
16:40 16:40	Ryzenko and Emil Wrzosek Eirini Marinou, Efthymios Magkoufis,	CLUSTER OF INTEROPERABLE AND HOLISTIC CIVIL PROTECTION SYSTEMS (CO-PROTECT): THE ROLE OF	Geosystems Hellas S.A.	GREECE
16:40 16:40	Ryzenko and Emil Wrzosek Eirini Marinou,	FIELD OF DISASTER RESPONSE CLUSTER OF INTEROPERABLE AND HOLISTIC CIVIL	Geosystems Hellas S.A.	GREECE
16:40	Ryzenko and Emil Wrzosek	FIELD OF DISASTER RESPONSE	Geosystems Hellas S.A.	GREECE
	Ryzenko and Emil			
	/ a b i a w-v : a l : a a a c : c			
44.20	Anna Nałęcz-		CIK CBK	PULAND
	Mosov and levgen Saprykin	COLLARIS: COLLABORATIVE NETWORK ON UNMANNED	the Earth CIK CBK	POLAND
10.20	Stankevich, Sergey	SIGNAL FUSION	Aerospace Research of	
16:00 16:20	Mykhailo Popov, Sergey	DRONE-BASED LANDMINE DETECTION BY IMAGE AND	Scientific Centre for	UKRAINE
		SATELLITE TECHNOLOGY IN EMERGENCY AND DISASTER RIS		
17:00	DROVIES AND	SESSION 4	W MANIA CEMENT	
16:00		CECCION 4		
16:00		COFFEE/ I EA/ WATER		
15.30		COFFEE/TEA/WATER		
15:10 15:30	i nomas Kodertson	AI KISKS AND EMERGENCY MANAGEMENT	Thinking teams	USA
15.10	Thomas Robertson	INTELLIGENCE AI RISKS AND EMERGENCY MANAGEMENT	Building International	LICA
15:10	King	RESPONSE AND DISASTER MANAGEMENT ARTIFICIAL	Consortium/Capacity	
14:50	Sachin Gaur and Kyle	FOUNDATION MODEL FOR GENERALIST EMERGENCY	Norwegian Al Research	NORWAY/US
	Ashonibare	SYSTEM		
14:50	Gilles Dusserre and Dayo	THE AFRICAN CONTINENT: A CASE OF THE NIGERIAN	mines Aces, Aces	INAITCE
14:30	Nasir Baba Ahmed,	CYBERSECURITY AND INCIDENT RESPONSE CHALLENGES IN	IMT Mines Ales, Ales	FRANCE
	and Nasir Baba Ahmed			
14:30	Emmanuel, Gilles Dusserre, Robert Bestak	IN THE HEALTHCARE SECTOR		
14:10 14:30	Song Shombot	STATE-OF-THE-ART ANALYSIS OF CYBERATTACK TRENDS	IMT Mines Ales, Ales	FRANCE
1 1 10	Nasir Baba Ahmed	STATE OF THE ART ANALYSIS OF SYREDATTASY TREVINS	1117 111	ED 4116
	Johanne Vincent and			
	Gouenou Coatrieux,	SYSTEM		
	Gilles Dusserre,	IMPROVED CYBER SECURITY IN A WATER DISTRIBUTION		
14:10	Henry Chima Ukwuoma,	DIGITAL TWIN BASED ANOMALY DETECTION FOR AN	IMT Mines Ales, Ales	FRANCE

TIEMS 2023 Hybrid Annual Conference Tuesday 12th September 2023

Chairperson: Roman Tandlich, Rhodes University/TIEMS, South Africa

Time CEST	Presenter/Authors	Title	Organization(s)	Country		
08:00 08:30		REGISTRATION				
08:30 10:00	30 TH .	SESSION 5 INTRODUCTION TO DAY 2 BY CHAIR: ROMAN TANDLICH 30 TH ANNIVERSARY OF TIEMS AND FOCUS ON CURRENT ACTIVITIES				
08:30 08:50	K. Harald Drager	TIEMS CELEBARTES ITS 30TH ANNIVERSARY - WHAT IS ACHIEVED AND WHAT ARE THE PLANS FOR THE FUTURE	TIEMS PRESIDENT	NORWAY		
08:50 10:00	K. Harald Drager Yosuke Okita Owen Becker Sergio Pirone Sandro Bologna	PANEL DEBATE ON: TIEMS INTERNATIONAL CERTIFICATIONS - TQC & TQAC - COMPARED WITH OTHER CERTIFICATION SCHEMES WORLDWIDE TQC/TQAC INTERNATIONAL CERTIFICATION JAPANESE CERTIFICATION SOUTH AFRICAN CERTIFICATION EUROPEAN CERTIFICATION IAEM CERTIFICATION AND AUSTRALIAN CERTIFICATION OPEN DISCUSSION	TIEMS AND INTERNATIONAL STAKEHOLDERS	NORWAY JAPAN SOUTH AFRICA ITALY		
10:00 10:30		COFFEE/TEA/WATER				
10:30 12:40	SESSION 6 DISASTER HEALTHCARE, CHALLENGES AND ADAPTIVE PLANNING					
10:30 11:00	Roberick B. Walker	PLENARY LECTURE - CLEAN HANDS COMBATING COVID19	Rhodes University	SOUTH AFRICA		
11:00 11:20	Angeli Medina and Jaime Almora M.D.	THE IMPLICATIONS OF NURSING SHORTAGE ON GLOBAL HEALTHCARE CONTINUITY	Kennesaw State University	PHILIPPINES/USA		

11:20	Earl Prinsloo and	ADDITIVE MANUFACTURING OF LOW-COST NUCLEIC	Rhodes University	SOUTH AFRICA
11:40	Garth L. Abrahams	ACID ELECTROPHORESIS EQUIPMENT: A CASE FOR 3D		
		PRINTERS AS STANDARD LABORATORY EQUIPMENT		
		AND APPLICATIONS IN EMERGENCY MANAGEMENT		
11:40	Brian Holecek	"THE LONG WAIT" MARKING TIME, THE FLOODS ARE	TIEMS Australia	AUSTRALIA
12:00		REALLY HEADING YOUR WAY!		
12:00		TIEMS ANNUAL GENERAL MEETING		
13:00		ONLY FOR TIEMS MEMBERS		
13:00		LUNCH		
13:50				
13:50		SESSION 7		
15:30	MODELLING,	VULNERABILITY AND UNCERTAINTY IN CRISIS, EMERGENCY	AND DISASTER RISK MANAG	GEMENT
13:50	A. A. Virajh Dias,	RECTIFICATION OF ROAD-BASED UNCERTAINTY IN	Independent	SRI IANKA
14:10	A.M.K.B. Attapatthu,	LANDSLIDE DISASTER EMERGENCIES	researchers	
	J.A.D.N.A. Jayasooriya			
	and H.M.J.M.K. Herath			
14:10	Gregory Vigneaux	MANAGING UNCERTAINTY IN EMERGENCY MANAGEMENT	Operational Coherence	USA
14:30		THROUGH EXPLANATION		
14:30	Nanlok Henry Nimlang,	MALARIA RISK PREDICTIVE MODELLING IN THE NORTHERN	IMT Mines Ales, Ales	FRANCE,
14:50	Gilles Duserre, Sandrine	ZONE OF PLATEAU STATE, NIGERIA		TURKEY,
	Bayle, Kivanc Ertugay			USA
14:50	and Sebnem Duzgun	THE IMPACT OF POST FLOOR BUILDING TO ON	Describ Contour of	CANADA
14:50 15:10	Mahmood Fayazi, Lisa Bornstein, Gonzalo	THE IMPACT OF POST-FLOOD BUYOUTS ON VULNERABILITIES: A CASE STUDY OF RELOCATED	Research Center of Innovation on Civil	CANADA
15:10	Lizarralde, Manel Djmel	HOUSEHOLDS AFTER THE 2017 AND 2019 FLOODS IN	Security	
	and Armita Farzadnia	QUEBEC, CANADA	Security	
15:10	Nimisingha Jacob	AN EVALUATION OF THE EFFECT OF AMBULANCE	IMT Mines Ales, Ales	FRANCE
15:30	Amakama, Gilles	STRATEGY ON PATIENT MORTALITY OUTCOME FROM	in miles mes, mes	11011102
	Dusserre, Axelle	HOSPITAL SYSTEMS: A SIMULATION STUDY IN THE		
	Cadiere, R. Wade	CONTEXT OF INDUSTRIAL DISASTER RESPONSE.		
	•			
	Schuette, Greg	l l		
	Schuette, Greg Zacharewicz and Nasir-			

16:00 17:00	SESSION 8 HYDROMETEOROLOGICAL DISASTERS, WATER SECURITY AND EMERGENCY PLANNING					
16:00 16:20	Vinod Chandra Menon	PREPAREDNESS, RESPONSE AND RISK REDUCTION FOR HYDRO-METEOROLOGICAL DISASTERS	TIEMS India	INDIA		
16:20 16:40	Chi-Ming Peng, Sheng-Yu Wu, Zhi-Sheng Li, Yu- Ting Liao, Yun-Hsuan Chen, Sheng-Tsung Liu, Gary Li-Kai Hsiao, Di- Sheng Huang, I-Hung Chang, Kuo-Chung Cheng and Ching-An Lee	SHORT-DURATION INTENSE RAINFALL FORECASTING TECHNOLOGY INTO AN EMERGENCY OPERATIONS CENTER DURING RAINFALL AND FLOOD EMERGENCIES	Weatherrisk INC /New Taipei City Fire Department	TAIWAN		
16:40 17:00	Josias Shiriyedete, Aneesah Khan and Stanley Ehiane	THE WATER CRISIS AND ITS IMPACT ON SUSTAINABLE DEVELOPMENT IN CAPE TOWN, SOUTH AFRICA	University of Botswana and University of Johannesburg	SOUTH AFRICA/BOTSWANA		
17:00		SUMMARY OF DAY 2 BY CHAIR: ROMAN TANDLICH				
17:00		END OF CONFERENCE DAY 2				
17:00 18:30		FREE TIME				
18:30 20:00		WELCOME RECEPTION				

TIEMS 2023 Hybrid Annual Conference Wednesday 13th September 2023

Chairperson: Siviwe Shwababa, Rhodes University, South Africa

CEST	Presenter/Authors	Title	Organization(s)	Country	
Time					
08:00					
08:30		REGISTRATION			
08:30		SESSION 9			
10:00	INTRODUCTION TO DAY 3 BY CHAIR: SIVIWE SHWABABA				
	ARTIFICIAL INTEL	LIGENCE USE, BENEFITS AND CHALLENGES IN EMERGENCY M	ANAGEMENT		

08:30 10:00	Kyle King, Thomas Robertson and Sachin Gaur	PANEL DEBATE ON ARTIFICIAL INTELLIGENCE USE, BENEFITS AND CHALLENGES IN EMERGENCY MANAGEMENT Artificial Intelligence and recent developments, e.g. ChatGPT, ProctorFree, big data and NATO, cybersecurity implications Ethical implications of the technology and the balance between progress and potential harm Practical examples and discussion about the applications to date Q & A and Conclusions and Further Development	TIEMS ¹⁾ Capacity Building International Norwegian AI Research Consortium	USA NORWAY	
10:00 10:30		COFFEE/TEA/WATER			
10:30		SESSION 10			
12:40		KEYNOTE LECTURE:			
10:30 11:00	Meen B. Poudyal Chhetri	THE ROLE OF GOOD GOVERNANCE FOR EFFECTIVE DISASTER RISK REDUCTION AND MANAGEMENT (DRRM)	Disaster Preparedness Network-Nepal/ Queensland University of Technology	NEPAL AUSTRALIA	
	SPECIAL	. SESSION — EARLY WARNING AND HYDROMETEOROLOGICAL DIS	SASTERS		
11:00 11:20	Chris Chiesa Deputy Executive Director	ENHANCING GLOBAL EARLY WARNING FOR ALL: NASA-PDC INNOVATIONS AND THE POWER OF DISASTERAWARE	Pacific Disaster Center	USA	
11:20 12:00	Chris Chiesa Deputy Executive Director	DEMONSTRATION SESSION EMPOWERING DISASTER MANAGEMENT PROFESSIONALS: OPERATIONALISING DISASTERAWARE® PRO FOR EFFECTIVE MULTI-HAZARD MONITORING, EARLY WARNING AND ACTION	Pacific Disaster Center	USA	
	SESSION 11 Panel Discussion Health and Wellbeing During Disasters				
12:00 12:30	Allan Wilson Majee	KEYNOTE HEALTH PROMOTION AND DISASTER MANAGEMENT IN ACCELERATED TIMES	University of Missouri	USA	

12:30 13:00	Roman Tandlich (<i>Chair</i>), Allan Wilson Majee, Roderick B. Walker, Earl Prinsloo & Garth L Abrahams	PANEL DISCUSSION ON HEALTH AND ZOONOTIC DISEASES IN EMERGENCY AND DISASTER RISK MANAGEMENT • Enthronization of space and the spread of pandemics such as COVID19 • Uncertainty and the continuous threats and risks from antigenic drift and human exposure to the meta-population of viruses • Preparedness of the crisis, emergency, and disaster risk management systems to deal with novel diseases and the links to public health • Q & A about TIEMS and other work in this context	TIEMS, UNISA, Rhodes University	BELGIUM, SOUTH AFRICA	
13:00 13:50		LUNCH			
13:50		CECCION 12			
15:30		SESSION 12 EMERGENCY MANAGEMENT, EDUCATION AND SOCIETY			
13:50 14:10	Yosuke Okita, Harald Drager, Sandro Bolonga, Larry Porter and Grace Endina	CERTIFICATION SYSTEMS FOR DISASTER AND EMERGENCY MANAGEMENT	TIEMS	JAPAN, ITALY, USA, NORWAY, INODNESIA	
14:10 14:30	Olumoye Mosud, Dominique E. Uwizeyimana and Stanley Ehiane	EMERGENCY RESPONSE TO CYBER THREATS AND ATTACKS IN A UNIVERSITY COMPUTER NETWORK SYSTEM	University of Johannesburg, University of Botswana	SOUTH AFRICA, BOTSWANA	
14:30 14:50	Aditi Tyagi	SOCIO-PSYCHOLOGICAL IMPACT OF COVID-19 PANDEMIC ON CHILDREN IN INDIA	Institute of Public Administration, Patna University	INDIA	
14:50 15:10	Lee Miles	META-LEADERSHIP AND SINGLE POINTS OF FAILURE' EVALUATING THE NOVEMBER 2021 WELLINGTON FUEL TANKER INCIDENT IN SIERRA LEONE	Bournemouth University	UNITED KINGDOM	
15:10 15:30	Mark Ashley Parry	TRUST, TRUTH, THE NIHILISTIC STATE AND DISASTER RISK REDUCTION	Northumbria University	UNITED KINGDOM	
15.30 16:00		COFFEE/TEA/WATER			
16:00 16:30	SPECIAL SESSION ACADEMIC PUBLISHING AND EMERGENCY/DISASTER RISK MANAGEMENT				
	RICHARD A DeVITO JR.: PEER REVIEW PROCESS PROFESSIONAL IN EMERGENCY MANAGEMENT				

16:30 17:30	SESSION 13 CITIZEN PREPAREDNESS AND COMMUNITY ROLE IN CRISIS, EMERGENCY AND DISASTER RISK MANAGEMENT				
16:30	Eric T. Stoch and Roman	THE DEVELOPMENT OF A NWUFPA COMMUNITY RESILIENCE	Northwest Provincial	SOUTH AFRICA	
16:50	Tandlich	OFFICER PROGRAMME NEW RESILIENCE POLICIES: HOW	Umbrella FPA, Rhodes		
		INSTITUTIONS CAN ACT TOWARDS A SHARED AGENDA FOR	University		
		ACTION			
16:50	Maria Lauda Joel Goyayi	CITIZEN'S PREPAREDNESS: EXPLORING NEW TECHNOLOGIES	University of	SOUTH AFRICA,	
17:10	and Stanley Ehiane	FOR BUILDING A CULTURE OF RESILIENCE	Johannesburg, University	BOTSWANA	
			of Botswana		
17:10	Lungile Prudence Zondi	THE PILGRIMAGE OF CITIZENS PREPAREDNESS: A	University of KwaZulu-	SOUTH AFRICA,	
17:30	and Stanley Ehiane	CONTRIBUTION TO A WEAKER STATE OF GOVERNANCE IN	Natal, University of	BOTSWANA	
		SOUTH AFRICA	Botswana		
17:30		SUMMARY OF DAY 3 BY CHAIR: SIVIWE SHWABABA			
17:30	END OF CONFERENCE DAY 3				
17:30	FREE TIME				
18:30					
18:30	CONFERENCE GALA DINNER				
21:30					

TIEMS 2023 Hybrid Annual Conference Thursday 14th September 2023

Chairperson: Academic from the School of Disaster Management, Stenden South Africa, South Africa

CEST	Presenter/Authors	Title	Organization(s)	Country
Time				
08:00				
08:30		REGISTRATION		
08:30 10:00		SESSION 14		
	INTRODUCTION TO DAY 4 BY CHAIR: STENDEN SOUTH AFRICA ACADEMIC			

08:30 10:00	Sandro Bologna, Paolo Nesi, Dimitris Katsaros, Joachim Levy and Liviu Muresan	PANEL DEBATE SMART CITY OPERATIONAL AND TECHNOLOGICAL SOLUTIONS FOR IMPROVED PUBLIC SAFETY Smart City concept and implications for the crises and emergencies that can arise Smart City ecosystem and disaster risk landscape Complexity and uncertainty in relation to smart cities and emergency management Research in smart city concepts and cyber security by TIEMS	TIEMS, University of Florence EXUS MEPE CINEDIT EURISC	ITALY, GREECE, SWITZERLAND, ROMANIA
10:00 10:30		COFFEE/TEA/WATER		
10:30 12:40		SESSION 15 KEYNOTE SPEECH		
10:30 11:00	Juliet Chipumuro or Stenden South Africa Academics from School of Disaster Management	TO BE CONFIRMED	Stenden South Africa	SOUTH AFRICA
11:00 13:00	PUBLIC AWARENESS,	SESSION 16 ADMINISTRATION AND COMMUNITY ENGAGEMENT IN C	RISES, EMERGENCIES AND	DISATERS
11:00 11:20	Dukhi Sah	MASS AWARENESS AND TRAINING AS MITIGATION TOOLS FOR SUSTAINABLE DEVELOPMENT OF RESILIENT CITIES	Retired Police Chief and Engineering professional	INDIA
11:20 11:40	Jaiye Dukiya	COMMUNITY CONFLICT MANAGEMENT AND EFFECTIVE EMPOWERMENT INTERVENTIONS IN NIGERIA	Federal University of technology, Minna	NIGERIA
11:40 12:00	Johanes Belle and Puleng Sehloho	ASSESSING PUBLIC AWARENESS ON HAZARDOUS INSTALLATIONS: THE CASE OF PETROL STORAGE AT MASERU INDUSTRIAL AREA IN LESOTHO	University of the Free State	SOUTH AFRICA
12:00 12:20	Dr Yp Chawla and Prof N Vinod Chandra Menon	DISASTER RESILIENT-FUTURE READY COMMUNITIES-A FRAMEWORK (PRACTITIONERS' PERSPECTIVE)	TIEMS India/International Institute of Information Technology	INDIA

12:20 12:40	Simona Cavallini	DIGITAL RESILIENCE OF PUBLIC ADMINISTRATION: A NEW CHALLENGE FOR LOCAL AND REGIONAL AUTHORITIES	Progress Consulting	ITALY
		AOTHORITES		
12:40	Orlin Nikolov, Kostadin	MODELLING AND SIMULATION IN SUPPORT OF	NATO	BULGARIA
13:00	Lazarov and Genadi	BUILDING RESILIENCE AND MASS MOVEMENT		
	Kolev	MANAGEMENT		
13:00		LUNCH		
13:50				
13:50		SESSION 17		
15:30	INTERNAT	TIONAL DIMENSIONS OF CRISIS, EMERGENCY AND DISASTER I	RISK MANAGEMENT	
	II TERIOT	TOTAL DIMENSIONS OF CHUSIS, EMERCENCY AND DISKSTER	NOT THE TOTAL THE	
13:50	Stanley Ehiane,	MANAGING THE EMERGENCY CONSEQUENCES OF	University of	SOUTH AFRICA
14:10	Dominique Uwizeyimana	TERRORIST ATTACK IN CABO DELGADO, MOZAMBIQUE	Johannesburg, University	BOTSWANA
	and Caleb Ayuba	,	of Botswana	
14:10	Stanley Ehiane, Caleb	EMERGENCY PREPAREDNESS RESPONSE TO MARITIME	Emergency Management	SOUTH AFRICA
14:30	Ayuba and Tanaka	PIRACY IN NIGERIA: A CHALLENGE TO NATIONAL SECURITY	Agency	BOTSWANA
	Candida Mugabe			
14:30	Johnston Wong, Lina	TURKEY-SYRIA EARTHQUAKE, A NEW CHALLENGE FOR	Social Workers Across	CHINA
14:50	Lai, Candy Zhou and	EMERGENCY RESPONSE AND RECOVERY	Borders	
4.4.50	Paul Tsang	EDOM A LOCAL CRISIS TO A CLORAL REPORTED IN F. ON		55511
14:50	Jorge Diaz	FROM A LOCAL CRISIS TO A GLOBAL PERSPECTIVE ON	Drograss Consulting	PERU
15:10		HUMANITARIAN AID MANAGEMENT	Progress Consulting	
15:10	Vinod Chandra Menon	COMPASSION AND VOLUNTEERISM TO TRANSFORM	TIEMS India	INDIA
15:30	, 2 3.13.13.13.13.13.13.13	HUMANITARIAN ACTION IN A CHANGING WORLD	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
15.30		COFFEE/TEA/WATER		
16:00				
16:00		SESSION 18		
17:00	MILITA	R/SECURITY APPLICATIONS IN CRISIS, EMERGENCY AND DISA	STER RISK MANAGEMENT	
		TIEMS 2024 IN INDIA AND MILITARY		
		TEMS EVET IN HIVE AND INTELLANT		
16:00	Jean-Paul Monet	HOW SOME COMMAND AND CONTROL HARMONISATION MAY	TIEMS Europe	FRANCE
16:20		IMPROVE EUROPEAN CIVIL PROTECTION RESPONSE:	'	
		COMPARISON, PROPOSAL, MONITORING OF THE LEVEL OF		
		INTEROPERABILITY FOR INTERNATIONAL JOINED CIVIL		
		PROTECTION OPERATIONS		

16:20 16:40	Jozef Sabol	THE MILITARY FIGHTING IN UKRAINE AND ITS ACTUAL AND POTENTIAL IMPLICATIONS IN AFFECTING RADIATION AND NUCLEAR SECURITY IN THE COUNTRY	Academy of the Czech Police Service	CZECH REPUBLIC
16:40 17:00	Vinod Chandra Menon	KEYNOTE TIEMS ANNUAL CONFERENCE 2024 IN INDIA	TIEMS India	INDIA
17:00	SUMMARY OF DAY 4 BY CHAIR: STENDEN SOUTH AFRICA ACADEMIC			
17:00 18:00		STUDENT POSTER PRESENTATIONS		
1800		END OF CONFERENCE DAY 4		

TIEMS 2023 Hybrid Annual Conference Friday 15th September 2023

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: K. HARALD DRAGER		

TIEMS 2023 Hybrid Annual Conference Friday 15st September 2023

Chairperson: Rene Oosthuizen, Rhodes University, South Africa

CEST Time	Presenter/Authors	Title	Organization(s)	Country	
08:00					
09:00		REGISTRATION			
09:00		SESSION 19			
10:00	MULTITUDE OF CHALLENGES IN CRISIS, EMERGENCY AND DISASTER RISK MANAGEMENT				
		INTRODUCTION TO DAY 5 BY CHAIR: RENE OOSTHUIZEN			
09:00	Meen B. Poudyal Chhetri	RISK TRANSFER IN DISASTER RISK REDUCTION (DRR):	Disaster Preparedness	NEPAL	
09:20		STRATEGIES, CHALLENGES, AND OPPORTUNITIES	Network-Nepal/	AUSTRALIA	
			Queensland University of		
			Technology		
09:20	Lorena Daphna Kuratle,	A FRAMEWORK TO REFLECT THE POTENTIAL OF EMERGING	ETHZ	SWITZERLAND	
09:40	Irina Dallo and Michèle Marti	TECHNOLOGIES FOR DRR- THE SOCIETAL PERSPECTIVE			
09:40	Asante Msimang and	CONTINUED ACCOUNTABILITY IN THE AFTERMATH OF THE	RHODES UNIVERSITY	SOUTH	
10:00	Roman Tandlich	2017-2018 EPIDEMIC DISASTER OF LISTERIOSIS IN SOUTH		AFRICA	
		AFRICA.			
10:00		COFFEE/TEA/WATER			
10:30					
10:30		SESSION 20			
12:40		RY CHALLENGES IN THE CRISIS, EMERGENCY AND DISASTER R			
10:30	Guosheng Qu and	ANALYSIS OF THE DAMAGE MECHANISM, EMERGENCY	China's National Disaster	CHINA	
10:50	Haiying Wang	RESPONSE AND RESCUE DIFFICULTIES OF THE 7.8	Reduction Commission		
		MAGNITUDE EARTHQUAKE IN TURKEY	(NDRC); China National		
			Earthquake Response		
			Support Service (NERSS),		
			China Earthquake		
			Administration		
10:50	Farhad Mizraei	LIVESTOCK EMERGENCY RESPONSE IN THE CONTEXT OF	Animal Science Research	IRAN	
11:10	<u>~</u>	DROUGHT AND WATER DEFICIT: IRAN EXPERIENCES	Institute of Iran		
11:10	Ørjan Nordhus Karlsson	A CHANGE OF PLANS? - THE ROLE OF CRISIS MANAGEMENT	Nord University Business	NORWAY	
11:30	and Jacob Kringen	PLANS AT THE ONSET OF A COMPLEX, TRANSBOUNDARY	School		
		CRISIS - THE CASE OF COVID-19 IN NORWAY	Directorate for Civil		
			protection		

			Norway University of Stavanger Directorate for Civil Protection	
11:30 11:50	Sandro Bologna	INFRASTRUCTURE INTERDEPENDENCIES AND RISKS DUE TO CLIMATE CHANGE IMPACTS	TIEMS	ITALY
11:50 12:10	Gilles Helschger, Baptiste Giovagnoli, Jean-Jacques Bozabalian, Florian Bozec, Christophe Morin, Emmanuel Anat and Jean-Paul Monet	BATTERIES AND CELLS FOR ELECTRIC MOBILITY: A NEW CHALLENGE FOR SAFETY STUDY CASES ON: PROCESS AND STORAGE SAFETY, AND RESPONDERS BEST PRACTICES	Corporate HSES director, Automotive Cells Company (ACC), Bordeaux. TIEMS Europe Regional Director.	FRANCE
12:10 12:30	George Markowsky and Linda Markowsky	THE STATE OF PANDEMIC TRACKING IN THE UNITED STATES	Kennesaw State University	USA
12:30 12:50	Dianne L. Chase	WHAT COVID-19 HAS TAUGHT US ABOUT EFFECTIVE EMPLOYEE COMMUNICATION (AND HOW THE LEARNINGS CAN BE APPLIED TOWARD MANAGING OTHER CRISES)	C4CS, LLC	USA
12:50		LUNCH		
13:50 17:00	KEYNOTE SPE	SESSION 21 ECH AND POST-COVID19 CONTEXT IN CRISIS, EMERGENCY AND	DISASTER RISK MANAGEM	ENT
13:50 14:20	Siyanda Manqele	ETHICAL AND RESEARCH CONSIDERATIONS DURING PANDEMICS AND IN THE POST-PANDEMIC ERA IN HIGHER EDUCATION	University of Zululand	SOUTH AFFRICA
14:20 14:40	Josef Leitmann	BUILDING RESILIENCE IN AN URBANIZING WORLD: AN UNPRECEDENTED OPPORTUNITY FOR REDUCING DISASTER RISKS	TIEMS Vice President	USA
14:40 15:00	Sergey Stankevich, Irina Piestova and Artur Lysenko	SATELLITE SYNTHETIC APERTURE RADAR SUPERRESOLUTION FOR DISASTER MONITORING	Scientific Centre for Aerospace Research of the Earth, NAS of Ukraine	UKRAINE
15:00 15:20	Keratilwe Bodilenyane and Stanley Ehiane	ORGANIZATIONAL LEARNING AND LEARNING ORGANIZATION AS EMERGENCY RESPONSE BY THE ADMINISTRATORS OF LEARNING INSTITUTIONS IN THE WAKE OF COVID-19 PANDEMIC IN BOTSWANA	University of Botswana	BOTSWANA

15:20 15:40	Mabuyi Gumede and Stanley Ehiane	COVID-19 PANDEMIC: COULD THIS BE THE DEMISE OF THE INFORMAL ECONOMIC SECTOR: AN ASSESSMENT OF SOUTH AFRICA EMERGENCY MANAGEMENT APPROACH	University of KwaZulu- Natal, University of Botswana	SOUTH AFRICA, BOTSWANA	
15:40 16:00	Nonhlanhla S Ngubane, Mbali Mahlangu and Stanley Ehiane	WORKPLACE INEQUALITY: EXPLORING THE COPING STRATEGIES OF WOMEN IN THE CHANGING WORLD OF TECHNOLOGY IN THE WORKPLACE IN SOUTH AFRICA	University of KwaZulu- Natal, University of Botswana	SOUTH AFRICA, BOTSWANA	
16:20 16:40	Zukiswa Roboji, Stanley Ehiane and Keratilwe Bodilenyane	ADAPTING AMIDST CHAOS: EMERGENCY MANAGEMENT IN THE DIGITALIZATION IN SOUTH AFRICA AND BOTSWANA'S OF HIGHER EDUCATION	Walter Sisulu University, University of Botswana	SOUTH AFRICA, BOTSWANA	
16:40 17:00	Jaroslav Pejcoch and Monika Kudrlova	EUROSTARS BEST PROJECT - CONFINED SPACE EVACUATION & FLUID MODELLING & DYNAMIC VISUALISATION	T-Soft	CZECH REPUBLIC	
17:00		SUMMARY OF DAY 5 BY CHAIR: RENE OOSTHUIZEN			
17:00 18:00	CLOSING REMARKS				
-	WOUTER HESSENS, SANDILE KHAMANGA AND K. HARALD DRAGER				
18:00	END OF CONFERENCE 18:00				





