



# TIEMS 2022 HYBRID ANNUAL CONFERENCE PROGRAM

ATLANTA, GEORGIA, USA, 17<sup>TH</sup> - 21<sup>ST</sup> OCTOBER 2022



Day/Chair Time	Monday 17 <sup>th</sup> October Chair: Larry Porter	Monday 17 <sup>th</sup> October Chair: Kyle King	Tuesday 18 <sup>th</sup> October Chair: George Markowsky	Wednesday 19 <sup>th</sup> October Chair: Thomas Robertson	Thursday 20 <sup>th</sup> October Chair: Roman Tandlich	Friday 21 <sup>st</sup> October Chair: Vinod Menon	Friday 21 <sup>st</sup> October Chair: Larry Porter
0800 - 0830	Registration for Workshop & Conference		Registration for Conference	Registration for Conference	Registration for Conference	Registration for Conference	
0830 - 0900			<a href="#">TIEMS RTD Activities</a>	<a href="#">Session 9</a> TQC & TQAC Panel	<a href="#">Session 14</a> FIRE – RES & FIRELOGUE Panel		
0900 - 1000	<a href="#">TQC &amp; TQAC Workshop Physical</a>	<a href="#">Session 1</a> Innovations and Challenges in Disaster Resilience	<a href="#">Session 5</a> IMPETUS Panel			<a href="#">Session 19</a> Emergency Management African Perspective	<a href="#">TQC &amp; TQAC Workshop Virtual</a>
1000 - 1030	Coffee/Tea		Coffee/Tea	Coffee/Tea	Coffee/Tea	Coffee/Tea	
1030 - 1100	TQC & TQAC Workshop Physical	<a href="#">Session 2</a> War in Ukraine: Emergency and Disaster Management Perspective	<a href="#">Session 6</a> <i>Welcome/Opening</i> - Sumanth Yenduri - James Westbrook	<a href="#">Session 10</a> <i>Keynote</i> Jeffrey Stern	<a href="#">Session 15</a> <i>Keynote</i> Saroj Kumar Jha	<a href="#">Session 20</a> Environmental and Technology Approaches in Emergency Management	TQC & TQAC Workshop Virtual
1100 - 1130			<i>Keynote</i> <a href="#">TIEMS President</a>	<a href="#">Session 11</a> HOUP Help OF Ukrainian People Panel	<a href="#">Session 16</a> Medical and Human Wellbeing Issues in Disaster and Emergency Management		
1130 - 1250			TIEMS Annual General Meeting				
1250 - 1350	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
1350 - 1530	TQC & TQAC Workshop Physical	<a href="#">Session 3</a> People and Crises/Emergencies	<a href="#">Session 7</a> Challenges in Addressing Complex Disasters and Emergency Situations	<a href="#">Session 12</a> Emergency Management – Chinese Perspective	<a href="#">Session 17</a> Theory and Practice in Disaster and Emergency Management	<a href="#">Session 21</a> <i>Keynote</i> Maia Hallward	TQC & TQAC Workshop Virtual
1530 - 1600						Coffee/Tea	
1600 - 1700	TQC & TQAC Workshop Physical	<a href="#">Session 4</a> Water Provision and Related Issues in Emergencies/Disasters	<a href="#">Session 8</a> Regional and International Topics Disaster and Emergency Management	<a href="#">Session 13</a> Disaster and Emergency Management Considerations on the Ukrainian War	<a href="#">Session 18</a> Simulation & Training TIEMS 2023 in South Africa	<a href="#">Session 22</a>	TQC & TQAC Workshop Virtual
1700 –	End of Day		Welcome Reception	Conference Dinner	Free time in Atlanta	End of Conference	

CONFERENCE SPONSOR



DAILY SCHEDULES

TIEMS 2022 Hybrid Annual Conference Monday 17<sup>th</sup> October 2022

Chairman: Larry Porter, Ph.D., CEM<sup>®</sup>, TQC<sup>™</sup>

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00	REGISTRATION			
09:00 17:00	TQC/TQAC WORKSHOP (PHYSICAL) PRESENTER: LARRY PORTER			

## TIEMS 2022 Hybrid Annual Conference Monday 17<sup>th</sup> October 2022

**Chairman: Kyle King, Capacity Building International, USA**

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00	<b>REGISTRATION</b>			
09:00 10:00	<b>SESSION 1</b> <b>INNOVATIONS AND CHALLENGES IN DISASTER MANAGEMENT AND RESILIENCE</b>  <b>INTRODUCTION OF DAY 1 BY CHAIR: KYLE KING</b>			
09:00 09:20	<b>Christopher Tarantino</b>	HUMAN-CENTERED, RESILIENCE-FOCUSED INNOVATION CULTURE	Epicenter Innovation	<b>USA</b>
09:20 09:40	<b>Alessandro Lazari</b>	THE ROLE OF SPACE-BASED ASSETS IN DISASTER RISK REDUCTION AND PUBLIC WARNING	F24 AG	<b>GERMANY</b>
09:40 10:00	<b>Josef Leitmann</b>	UKRAINE: INSTITUTIONAL ARRANGEMENTS FOR POSTWAR RECOVERY	University of California Disaster Resilience Network	<b>USA</b>
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 12:50	<b>SESSION 2</b> <b>WAR IN UKRAINE: EMERGENCY AND DISASTER MANAGEMENT PERSPECTIVE</b>			
10:30 10:50	<b>Serhii Chumachenko, Serhii Khopersky and Serhii Seryogin</b>	THE PROJECT FOR THE CREATION OF A FACILITY FOR THE PURIFICATION OF DRINKING AND ECONOMIC WATER IN THE CONDITIONS OF EMERGENCY SITUATIONS OF A MILITARY AND MAN-MADE NATURE	Public Organisation «Civil Protection (profi) Manager's Association»	<b>UKRAINE</b>

10:50 11:10	<b>Serhii Chumachenko, Olexandr Lysenko and Volodymyr Slobodianyuk</b>	METHODOLOGICAL SUPPORT FOR SUBSTANTIATION OF REQUIREMENTS TO WIRELESS SENSOR NETWORKS OF INFORMATION SUPPORT SYSTEMS FOR ASSESSING AND FORECASTING THE STATE OF THE NATURAL ENVIRONMENT OF THE TERRITORIES OF DISTRIBUTED MAN-MADE OBJECTS	Public Organisation «Civil Protection (profi) Manager's Association»	<b>UKRAINE</b>
11:10 11:30	<b>Serhii Chumachenko<sup>1)</sup>, Ihor Honcharenko<sup>2)</sup> and Maryna Oskina<sup>2)</sup></b>	THE IMPACT OF ODOUR INFLUENCES AS A PART OF THE INDUSTRIAL EMISSIONS OF ENTERPRISES PROCESSING AGRICULTURAL PRODUCTS ON ENVIRONMENTAL AND CLIMATIC SAFETY AND SUSTAINABLE DEVELOPMENT OF LOCAL COMMUNITIES	Public Organisation «Civil Protection (profi) Manager's Association» <sup>1)</sup> Ecology and Environmental Management Department of the V. N. Karazin Kharkiv National University <sup>2)</sup>	<b>UKRAINE</b>
11:30 11:50	<b>Serhii Chumachenko<sup>1)</sup>, Olexandr Lysenko<sup>2)</sup> and Olena Tachinina<sup>3)</sup></b>	THE PROCEDURE FOR DETERMINING THE COMPOSITION OF SENSORS OF THE WIRELESS SENSOR NETWORK OF THE SYSTEM FOR MONITORING THE STATE OF THE NATURAL ENVIRONMENT OF MILITARY TRAINING GROUNDS	Public Organisation «Civil Protection (profi) Manager's Association» <sup>1)</sup> National technical university of Ukraine «Igor Sikorsky Kyiv polytechnic institute» <sup>2)</sup> Avionics Department Faculty of Air Navigation, Electronics and Telecommunications National Aviation University <sup>3)</sup>	<b>UKRAINE</b>
11:50 12:10	<b>Serhii Chumachenko, Serhii Ponomarenko and Sergiy Khopersky</b>	PRINCIPLES OF CREATING AN ORGANIZATIONAL STRUCTURE OF RAPID RESPONSE TO SUPPORT THE AFFECTED POPULATION IN THE CONDITIONS OF THE WAR IN UKRAINE	Public Organisation «Civil Protection (profi) Manager's Association»	<b>UKRAINE</b>

12:10 12:30	<b>Serhii Chumachenko<sup>1)</sup>, Alona Mykhailova<sup>2)</sup>, Rustam Murasov<sup>3)</sup>, Oleksii Pyrikov<sup>4)</sup> and Oleksandr Fursenko<sup>2)</sup></b>	<b>METHODOLOGICAL BASES FOR RANKING INTER-INDUSTRY POTENTIALLY DANGEROUS OBJECTS OF THE CRITICAL INFRASTRUCTURE OF THE STATE ACCORDING TO THE LEVEL OF NATURAL AND TECHNOLOGICAL THREAT IN THE CONDITIONS OF ARMED CONFLICT</b>	Public Organisation «Civil Protection (profi) <sup>1)</sup> Manager’s Association» Institute of Public Administration and Scientific Research on Civil Protection <sup>2)</sup> National Defence University of Ukraine named after Ivan Cherniakhovsky <sup>3)</sup> Public organization "Development for the Future" <sup>4)</sup>	<b>UKRAINE</b>
12:30 12:50	<b>Emma D Chapman<sup>1)</sup>, Rene Oosthuizen<sup>1)</sup>, Jozef Ristvej<sup>2)</sup>, Tomáš Tandlich<sup>3)2)</sup> and Roman Tandlich<sup>1)</sup></b>	<b>WHAT IS A CRISIS, AN EMERGENCY OR A DISASTER? THEORETICAL ANALYSIS OF THREE RECENT EXAMPLES AND THE LESSONS GOING FORWARD</b>	Rhodes University <sup>1)</sup> University of Žilina <sup>2)</sup> University of Konštantín Filozof <sup>3)</sup>	<b>SOUTH AFRICA<sup>1)</sup> &amp; SLOVAKIA<sup>2)</sup></b>
12:50 13:50	<b>LUNCH</b>			
13:50 15:30	<b>SESSION 3 PEOPLE AND CRISES/EMERGENCIES</b>			
13:50 14:10	<b>Stanley Yehiane<sup>1)</sup> and Lungile Prudence Zondi<sup>2)</sup></b>	<b>EMERGENCY MANAGEMENT OF THE INTERNALLY DISPLACED PEOPLE (IDP) IN THE WAKE OF THE EXTREMIST ATTACKS IN NIGERIA</b>	Department of Political and Administrative Studies, University of Botswana <sup>1)</sup> College of Humanities, University of KwaZulu- Natal <sup>2)</sup>	<b>BOTSWANA<sup>1)</sup> &amp; SOUTH AFRICA<sup>2)</sup></b>
14:10 14:300	<b>Ruben Cattan</b>	<b>ABSTRACT OSLO USE CASE TRENDS ON ACTS OF TERROR</b>	1702 AI	<b>ISRAEL</b>
14:30 14:50	<b>Marilyn Tamayo</b>	<b>THE INFLUENCE OF STRESS AND MENTAL HEALTH ON THE PSYCHOLOGICAL RESILIENCE OF PUBLIC SAFETY OFFICERS</b>	Philippine Public Safety College	<b>PHILIPPINES</b>

14:50 15:10	<b>Josef Leitmann</b>	SPEAKING KNOWLEDGE TO POWER(FUL DISASTERS): THE UNIVERSITY OF CALIFORNIA DISASTER RESILIENCE NETWORK	University of California Disaster Resilience Network	<b>USA</b>
15:10 15:30	<b>Christian Sommade</b>	EMERGENCY AND CRISIS MANAGEMENT: IN THE SUCCESSION OF CRISIS, HOW TO DEAL WITH CONTINUOUS OVERLOAD OF CAPACITY?	Délégué Général du Haut Comité Français pour la Résilience Nationale	<b>FRANCE</b>
15.30 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 4 WATER PROVISION AND RELATED ISSUES IN EMERGENCIES/DISASTERS</b>			
16:00 16:20	<b>Robyn J Bayne<sup>1)</sup>, Kelly Maguire<sup>2)</sup>, Rene Oosthuizen<sup>2)</sup> and Roman Tandlich<sup>2)</sup></b>	QUALITY OF THE SHIPPED DRINKING WATER IN A DROUGHT-STRICKEN COUNTRY	Stenden South Africa <sup>1)</sup> Rhodes University <sup>2)</sup>	<b>SOUTH AFRICA</b>
16:20 16:40	<b>Craig Hansen</b>	LATEST RESEARCH OUTPUTS: WHAT WE HAVE LEARNED ABOUT CRITICAL INFRASTRUCTURE EMERGENCY MITIGATION, FIRE WATER OVERFLOW POLLUTION REDUCTION AND DRONE DEPLOYMENT	University of Applied Research & Development	<b>NEW ZEALAND</b>
16:40 17:00	<b>Jakub Ryzenko, Emil Wrzosek and Anna Nk</b>	SUPPORT FOR COORDINATION AND SAFE OPERATIONAL USE OF DRONES IN CRISIS MAMEGEMENT - SEARCH AND HELP SYSTEM	CBK PAN - Crisis Information Centre Crisis Information Centre	<b>POLAND</b>
1700	<b>SUMMARY OF DAY 1 BY CHAIR: KYLE KING</b>			
<b>END OF CONFERENCE DAY 1</b>				



## TIEMS 2022 Hybrid Annual Conference Tuesday 18<sup>th</sup> October 2022

**Chairman: George Markowsky, Kennesaw State University, USA**

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 08:30	<b>REGISTRATION</b>			
08:30 10:00	SESSION 5  INTRODUCTION OF DAY 2 BY CHAIR: GEORGE MARKOWSKY TIEMS RTD ACTIVITIES AND PANEL			
08:30 08:45	<b>K. Harald Drager</b>	TIEMS RESEARCH AND DEVELOPMENT ACTIVITIES	TIEMS PRESIDENT	NORWAY
08:45 10:00	<b>K. Harald Drager<sup>1)</sup> (Panel Chair), Joe Levy<sup>2)</sup>, Maria Mirada<sup>3)</sup>, Ron Ofer<sup>4)</sup>, Osman Ibrahim<sup>5)1)</sup> &amp; Bruno Bonomini<sup>6)</sup></b>	PANEL PRESENTATIONS AND DISCUSSION ON THE IMPETUS EU PROJECT <ul style="list-style-type: none"> <li>▪ EXPECTED RESULT OF THE IMPETUS PROJECT<sup>1)</sup></li> <li>▪ WEAPON DETECTION TOOL<sup>2)</sup></li> <li>▪ SOCIAL MEDIA DETECTION TOOL<sup>3)</sup></li> <li>▪ CYBER SECURITY DETECTION TOOL<sup>4)</sup></li> <li>▪ EXPERIENCE FROM IMPETUS LIVE TEST IN CITY OF OSLO<sup>5)</sup></li> <li>▪ EXPERIENCE FROM IMPETUS LIVE TEST IN CITY OF PADOVA<sup>6)</sup></li> <li>▪ Q &amp; A AND SUMMARY AND CONCLUSIONS<sup>1)</sup></li> </ul>	SINTEF <sup>1)</sup> CINEDIT <sup>2)</sup> INSIKT INTELLEGENCE <sup>3)</sup> SIXGILL <sup>4)</sup> OSLO KOMMUNE <sup>5)</sup> COMUNE DI PADOVA <sup>6)</sup>	NORWAY <sup>1)</sup> , SWITZERLAND <sup>2)</sup> , SPAIN <sup>3)</sup> , ISRAEL <sup>4)</sup> , ITALY <sup>6)</sup>
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 12:40	SESSION 6 <b>WELCOME AND OPENING</b>			

10:30 10:40	<b>Sumanth Yenduri</b>	<b>SUMANTH YENDURI</b> <i>Dean of the College of Computing and Software Engineering</i>  <b>WELCOME TO KENNESAW STATE UNIVERSITY</b>	Kennesaw State University	<b>USA</b>
10:40 11:00	<b>James Westbrook</b>	<b>JAMES WESTBROOK</b> <i>Acting Director of Emergency Management at Kennesaw State</i>  <b>EMERGENCY MANAGEMENT IN HIGHER EDUCATION</b>	Kennesaw State University	<b>USA</b>
11:00 11:30	<b>K. Harald Drager</b>	<b>K. HARALD DRAGER</b> <i>TIEMS PRESIDENT</i>  <b>TIEMS STATUS AND PLANS TOWARDS 2030</b>	TIEMS President	<b>NORWAY</b>
11:30 12:50	<b>TIEMS ANNUAL GENERAL MEETING</b> <b>ONLY FOR TIEMS MEMBERS</b>			
12:50 13:50	<b>LUNCH</b>			
13:50 15:30	<b>SESSION 7</b> <b>CHALLENGES IN ADDRESSING COMPLEX DISASTERS AND EMERGENCY SITUATIONS</b>			
13:50 14:10	<b>Bhaskara Rao Mulam<sup>1)</sup></b> <b>and Abhinav Walia<sup>2)</sup></b>	<b>CHALLENGES OF IMPLEMENTATION OF SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION AND EMERGENCY MANAGEMENT IN INDIA</b>	Puducherry State Disaster Management Authority, Government of Puducherry <sup>1)</sup> Centre for Disaster Management (CDM). LBSNAA, Mussoorie, Government of India <sup>2)</sup>	<b>INDIA</b>
14:10 14:30	<b>George Markowsky and L. Markowsky</b>	<b>MODELING THE EMERGENCE AND DISPLACEMENT OF COVID-19 VARIANTS AND SUBVARIANTS</b>	Kennesaw State University	<b>USA</b>
14:30 14:50	<b>Martina Baucic and Snjezana Knezic</b>	<b>USING SEMANTICS TO ENHANCE THE EMERGENCY MANAGEMENT CAPABILITIES</b>	University of Split, Faculty of Civil Engineering, Architecture and Geodesy	<b>CROATIA</b>



14:50 15:10	<b>Barbara Lucini</b>	THE PANDEMIC SYSTEM: RETHINKING CRISIS MANAGEMENT PATTERNS CONSIDERING THE IMPACT OF WARFARE AND THE POLITICS OF EMERGENCY RESPONSES	Itstime, Department of Sociology, Catholic University, Milan	<b>ITALY</b>
15:10 15:30		<b>AVAILABLE SLOT</b>		
15.30 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 8 REGIONAL AND INTERNATIONAL TOPICS DISASTER AND EMERGENCY MANAGEMENT</b>			
16:00 16:20	<b>Hanan E. Muddathir</b>	UN ENVIRONMENT - EUROPEAN COMMISSION: SUDAN, WADI PARTNERS FOOD SECURITY AND DISASTER RESILIENCE PROJECT	Environmental Initiative for Sustainable Development Organization (Envl)	<b>SUDAN</b>
16:20 16:40	<b>Grace Endina</b>	TO WHAT EXTENT CAN REGIONAL INTER-GOVERNMENTAL HUMANITARIAN ORGANISATIONS APPLY THE PRINCIPLE OF NEUTRALITY IN DELIVERING HUMANITARIAN ASSISTANCE IN CONFLICT-SETTINGS?	University of Bath	<b>INDONESIA</b>
16:40 17:00	<b>Desmond Pyle</b>	COVID-19 AND DRM LESSONS LEARNT AT A HIGHER EDUCATION INSTITUTION IN SOUTH AFRICA	Stenden South Africa	<b>SOUTH AFRICA</b>
17:00	<b>SUMMARY OF DAY 2 BY CHAIR: GEORGE MARKOWSKY</b>			
17:00 -	<b>WELCOME RECEPTION</b>			
<b>END OF CONFERENCE DAY 2</b>				

## TIEMS 2022 Hybrid Annual Conference Wednesday 19<sup>th</sup> October 2022

**Chairman: Thomas Robertson, Thinking Teams, USA**

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 08:30	<b>REGISTRATION</b>			
08:30 10:00	SESSION 9  <b>INTRODUCTION OF DAY 3 BY CHAIR: THOMAS ROBERTSON</b>  <b>PANEL</b>			
08:30 10:00	<b>K. Harald Drager<sup>1)</sup> (Chair), Kyle King<sup>2)9)</sup>, Russell Dippy<sup>3)</sup>, Yosuke Okita<sup>4)</sup>, Vinod Menon<sup>5)</sup>, Naill Momani<sup>6)</sup>, Emma Chapman<sup>7)</sup>, Larry Porter<sup>8)9)</sup> &amp; Mike Murphy<sup>10)9)</sup></b>	<b>PANEL PRESENTATIONS AND DISCUSSION ON TIEMS INTERNATIONAL CERTIFICATIONS - TQC &amp; TQAC</b> <ul style="list-style-type: none"> <li>▪ Presentation of TIEMS International Certification TQC &amp; TQAC Status Worldwide</li> <li>▪ Experience and Potential of TQC &amp; TQAC views from Australia, Japan, India, Dubai, South Africa and USA</li> <li>▪ TQC &amp; TQAC Examination and Monitoring</li> <li>▪ Q &amp; A and Conclusions and Further Development</li> </ul>	<b>TIEMS<sup>1)</sup></b> Capacity Building International <sup>2)</sup> South Australia Police <sup>3)</sup> Japan International Cooperation Agency <sup>4)</sup> TIEMS India <sup>5)</sup> Dubai Police Academy <sup>6)</sup> Student at Rhodes University <sup>7)</sup> Council for the Accreditation of Emergency Management & Homeland Security Education <sup>8)</sup> ProctorFree <sup>10)</sup>	<b>NORWAY<sup>1)</sup>, AUSTRALIA<sup>3)</sup>, JAPAN<sup>4)</sup>, INDIA<sup>5)</sup>, UNITED ARAB EMIRATES<sup>6)</sup>, SOUTH AFRICA<sup>7)</sup> &amp; USA<sup>9)</sup></b>
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 12:40	SESSION 10 <b>KEYNOTE SPEECH</b>			

10:30 11:00	<b>Jeffrey Stern</b>	<b>JEFFREY STERN</b> <i>Superintendent, Emergency Management Institute, USA</i>  <b>THE FUTURE OF EMERGENCY MANAGEMENT TRAINING AND EDUCATION</b>	Emergency Management Institute	<b>USA</b>
<b>SESSION 11 PANEL</b>				
11:00 12:50	<b>Kyle King (Chair)<sup>1)4)</sup>, Ukraine Representative<sup>2)</sup> &amp; Carl Taylor<sup>3)4)</sup></b>	<b>HELP OF UKRAINIAN PEOPLE (HOUP) PANEL WITH PRESENTATIONS AND DISCUSSION</b> <ul style="list-style-type: none"> <li>▪ Overview of TIEMS Medical System Help and Support to Ukraine<sup>1)</sup></li> <li>▪ Ukrainian Status and Needs<sup>2)</sup></li> <li>▪ Presentation of the Medical System Solution<sup>3)</sup></li> <li>▪ Presentation of the system Testing and Deployment in Ukraine<sup>3)</sup></li> <li>▪ Q &amp; A about TIEMS help and Support to Ukraine<sup>1)</sup></li> </ul>	Capacity Building International <sup>1)</sup>	<b>USA<sup>4)</sup> &amp; UKRAINE<sup>2)</sup></b>
12:50 13:50	<b>LUNCH</b>			
13:50 15:30	<b>SESSION 12 EMERGENCY MANAGEMENT - CHINESE PERSPECTIVE</b>			
13:50 14:10	<b>Xueke Ma, Li Wen and Lei Xu<sup>1)</sup></b>	<b>INTEGRATED EVALUATION OF CHINA'S REGIONAL RESILIENCE BASED ON THE NATIONAL GENERAL SURVEY ON NATURAL DISASTER COMPREHENSIVE RISKS</b>	Xihua University	<b>CHINA</b>
14:10 14:30	<b>Minghui Lyu</b>	<b>GENDER DIFFERENCES IN PERCEPTIONS OF CLIMATE CHANGE AND METEOROLOGICAL DISASTERS IN CHINA</b>	PMSC, China Meteorological Administration	<b>CHINA</b>
14:30 14:50	<b>Johnston Wong<sup>1)</sup>, Gabriel Owusu<sup>2)</sup>, Lina Lai<sup>1)</sup> and Candy Zhou<sup>1)3)</sup></b>	<b>TYPHOONS, DROUGHTS, AND LOW TEMPERATURE DISASTERS IN CHINA – USING GIS FOR BETTER EDM</b>	Social Workers Across Borders <sup>1)</sup> PhD candidate, School of Int'l and Public Affairs, Shanghai Jiao Tong University <sup>2)</sup>	<b>CHINA<sup>1)</sup>, GHANA<sup>2)</sup>, &amp; HONG KONG<sup>3)</sup></b>

14:50 15:10	<b>Guosheng Qu</b>	EMERGENCY BROADCAST SYSTEMS BASED ON DISASTER MONITORING AND EARLY WARNING FOR END-USERS: PLANNING AND APPLICATION	National Earthquake Response Support Service (NERSS), China Earthquake Administration	<b>CHINA</b>
15:10 15:30	<b>Xuefeng Li</b>	CHINA'S EMERGENCY MANAGEMENT MODERNIZATION AT THE 14TH FIVE-YEAR PLAN PERIOD	China National Academy of Governance	<b>CHINA</b>
15.30 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 13 DISASTER AND EMERGENCY MANAGEMENT CONSIDERATIONS ON THE UKRAINE WAR</b>			
16:00 16:30	<b>Thomas Robertson</b>	RESTORING UKRAINIAN CELLPHONE COMMUNICATION	Thinking Teams	<b>USA</b>
16:30 17:00	<b>Charles Kelly</b>	THE GREENING OF THE HUMANITARIAN RESPONSE TO THE CONFLICT IN UKRAINE	Independent	<b>USA</b>
17:00	<b>SUMMARY OF DAY 3 BY CHAIR: THOMAS ROBERTSON</b>			
17:00 -	<b>CONFERENCE DINNER</b>			
<b>END OF CONFERENCE DAY 3</b>				



## TIEMS 2022 Hybrid Annual Conference Thursday 20<sup>th</sup> October 2022

**Chairman: Roman Tandlich, Rhodes University, South Africa**

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 08:30	<b>REGISTRATION</b>			
08:30 10:00	SESSION 14  INTRODUCTION OF DAY 3 BY CHAIR: ROMAN TANDLICH  PANEL			
08:30 10:00	<b>Antoni Trasobares<sup>1)</sup>, Andrea Duane<sup>1)</sup>, Jordi Garcia-Gonzalo<sup>1)</sup>, Claudia Berchtold<sup>2)</sup>, Jean - Paul Monet<sup>3)</sup>, Mariza Kaskara<sup>4)</sup> &amp; K. Harald Drager(Chair)<sup>5)</sup></b>	<b>PANEL PRESENTATIONS AND DISCUSSION ON THE FIRE - RES AND FIRELOGUE EU PROJECTS</b> <ul style="list-style-type: none"> <li>▪ Overview of the FIRE - RES Project and the Living Labs (LL)<sup>1)</sup></li> <li>▪ Innovation Actions (IA's) in the FIRE - RES Project<sup>1)</sup></li> <li>▪ Expected Impacts and Indicators<sup>1)</sup></li> <li>▪ Q &amp; A about the FIRE - RES Project<sup>5)</sup></li> <li>▪ Overview of the FIRELOGUE Project<sup>2)</sup></li> <li>▪ Presentation of the Civil Protection Working Group and its Focus and Expected Outcome<sup>3)</sup></li> <li>▪ Presentation of the FIRELOGUE Wildfire Knowledge and Communication Platform<sup>4)</sup></li> <li>▪ Q &amp; A about the FIRELOGUE Project<sup>5)</sup></li> </ul>	Forest Science and Technology Centre of Catalonia <sup>1)</sup> Fraunhofer <sup>2)</sup> TIEMS France <sup>3)</sup> National Observatory of Athens <sup>4)</sup> TIEMS <sup>5)</sup>	<b>SPAIN<sup>1)</sup>, GERMANY<sup>2)</sup>, FRANCE<sup>3)</sup>, GREECE<sup>4)</sup>, &amp; NORWAY<sup>5)</sup></b>
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 12:40	SESSION 15 <b>KEYNOTE SPEECH</b>			

10:30 11:00	<b>Saroj Kumar Jha</b>	<b>SAROJ KUMAR JHA</b> <i>Global Director, Water Global Practice, The World Bank Group</i>	World Bank	<b>USA</b>
<b>ADDRESSING WATER SECURITY IN A CHANGING CLIMATE</b>				
11:00 12:50	SESSION 16 <b>MEDICAL AND HUMAN WELLBEING ISSUES IN DISASTER AND EMERGENCY MANAGEMENT</b>			
11:00 11:20	<b>Rhea Penaflor</b>	POLICY EVALUATION ON THE IMPLICATIONS TO HUMAN SECURITY WITH THE FULL DEVOLUTION TO LGUS OF THE DSWD'S SUSTAINABLE LIVELIHOOD PROGRAM (SLP) IN MARAWI CITY, MINDANAO, PHILIPPINES	Department of Social Welfare and Development, Republic of the Philippines	<b>PHILIPPINES</b>
11:20 11:40	<b>Meen Poudyal Chhetri</b>	NEED OF MEDICO-LEGAL DEATH INVESTIGATION SYSTEMS TO ENHANCE RESPONSE ON MANAGEMENT OF THE DEAD (MOTD)	Nepal Center for Disaster Management (NCDM)	<b>NEPAL</b>
11:40 12:00	<b>K.C. Rondello</b>	NOT YOUR FATHER'S M*A*S*H: ESTABLISHING ALTERNATE MEDICAL TREATMENT SITES	Adelphi University	<b>USA</b>
12:00 12:20	<b>K.C. Rondello</b>	JUST THE FACTS, MA'AM: THE WORK OF 'DISEASE DETECTIVES' IN A PUBLIC HEALTH CRISIS (AND HOW YOU CAN HELP!)	Adelphi University	<b>USA</b>
12:20 12:40	<b>Angeli Medina</b>	ENVISIONING A SUSTAINABLE TRANSFORMATION OF CHECHNYA'S CONFLICT TO MITIGATE HUMANITARIAN DISASTER	TIEMS/IAEM	<b>USA</b>
12:50 13:50	<b>LUNCH</b>			
13:50 15:30	SESSION 17 <b>THEORY AND PRACTICE IN DISASTER AND EMERGENCY MANAGEMENT</b>			

13:50 14:10	<b>Yp Chawla<sup>1)</sup> and N Vinod Chandra Menon<sup>2)</sup></b>	<b>CONCEPTUAL FRAMEWORK FOR FUTURE-READY RESILIENT POWER INFRASTRUCTURE</b>	Independent Consultant Power Sector, Renewable Energy, Talent Development, Climate Change DRR <sup>1)</sup> Independent Consultant- Disaster Risk Reduction, Climate Change adaptation, Public Policy Analysis <sup>2)</sup>	<b>INDIA</b>
14:10 14:30	<b>Nehat Koçinaj</b>	<b>TIME IS A READINESS FACTOR IN EMERGENCY RESPONSE</b>	Emergency Management Agency	<b>KOSOVO</b>
14:30 14:50	<b>William Krufft</b>	<b>INTEGRATING A CRISIS RESPONSE CAMPAIGN</b>	US Army	<b>USA</b>
14:50 15:10	<b>Simona Cavallini</b>	<b>CITIES FACING THE NEW CHALLENGES OF CLIMATE CHANGE. CASES IN EUROPE</b>	Progress Consulting	<b>ITALY</b>
15:10 15:30	<b>Kelly Maguire</b>	<b>REFUGEE IDENTITY AND HEALTH IN SOUTH AFRICA</b>	Rhodes University	<b>SOUTH AFRICA</b>
15.30 16:00	<b>COFFEE/TEA/WATER</b>			
16:00 17:00	<b>SESSION 18 SIMULATION &amp; TRAINING &amp; TIEMS 2023 IN SOUTH AFRICA AND CONFERENCE SUMMARY &amp; CONCLUSIONS</b>			
16;00 16:20	<b>Jaroslav Pejcoch<sup>1)</sup>, Monika Kudrlova<sup>1)</sup>, Raimar Scherer<sup>2)3)</sup> and Byron Protopsaltis<sup>4)</sup></b>	<b>EUROSTARS PROJECT BEST - REAL-TIME BUILDING EVACUATION SIMULATION &amp; TRAINING SYSTEM FOR AIRBORNE HAZARDS &amp; FIRE</b>	<b>T-SOFT<sup>1)</sup> TUD<sup>3)</sup> FIDES<sup>4)</sup></b>	<b>CZECH REPUBLIC<sup>1)</sup> &amp; GERMANY<sup>2)</sup></b>
16:20 16:40	<b>Roman Tandlich<sup>1)</sup>, Siviwe Shwababa<sup>1)</sup>, Rene Oosthuizen<sup>1)</sup>, Des Pyle<sup>2)1)</sup>, Peter</b>	<b>STRATEGIC PLAN FOR THE 2023 TIEMS ANNUAL CONFERENCE IN SOUTH AFRICA</b>	Rhodes University <sup>1)</sup> Stenden South Africa <sup>2)</sup> TIEMS South Africa <sup>3)</sup> University of Botswana <sup>4)</sup>	<b>SOUTH AFRICA<sup>1)</sup> &amp; BOTSWANA<sup>4)</sup></b>

	<b>Jacobus Brazer<sup>3)1)</sup>, Mmaphaka Tau<sup>1)</sup>, Sunitha Srinivas<sup>1)</sup> and Christopher Dick- Sagoe<sup>4)</sup></b>			
16:40 17:00	<b>K. Harald Drager</b>	<b>SUMMARY &amp; CONCLUSIONS</b>	TIEMS President	<b>NORWAY</b>
17:00	<b>SUMMARY OF DAY 4 BY CHAIR: ROMAN TANDLICH</b>			
17:00 -	<b>FREE TIME IN ATLANTA</b>			
<b>END OF CONFERENCE DAY 3</b>				





TIEMS 2022 Hybrid Annual Conference Friday 19<sup>th</sup> October 2022

Chairman: Larry Porter, Ph.D., CEM<sup>®</sup>, TQC<sup>™</sup>

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00		REGISTRATION		
09:00 17:00		TQC/TQAC WORKSHOP (VIRTUAL) PRESENTER: LARRY PORTER		

CONFERENCE SPONSOR



## TIEMS 2022 Hybrid Annual Conference Friday 21<sup>st</sup> October 2022

**Chairman: Vinod Menon, TIEMS Regional Director for Asia, India**

US Eastern Time	Presenter/Authors	Title	Organization(s)	Country
08:00 09:00	<b>REGISTRATION</b>			
09:00 10:00	<b>SESSION 19</b> <b>EMERGENCY MANAGEMENT - AFRICAN PERSPECTIVE</b>  <b>INTRODUCTION OF DAY 5 BY CHAIR: JOSEF LEITMANN</b>			
09:00 09:20	<b>Mercy Ndalila and Stanley Makindi</b>	FIRE REGIME ASPECTS IN MOUNT KENYA IN THE FACE OF INCREASED GLOBAL VULNERABILITY TO WILDFIRES	Machakos University	<b>KENYA</b>
09:20 09:40	<b>Christopher Dick-Sage<sup>1)</sup> and Roman Tandlich<sup>2)</sup></b>	AN INVESTIGATION INTO LOCAL GOVERNMENTS RESPONSES TO CLIMATE CHANGE IN AFRICA	Political and Administrative Studies Department, University of Botswana <sup>1)</sup> Rhodes University <sup>2)</sup>	<b>BOTSWANA<sup>1)</sup> &amp; SOUTH AFRICA<sup>2)</sup></b>
09:40 10:00	<b>Gabriel Owusu</b>	MAPPING THE TRENDS OF DISASTERS IN GHANA: GIS AS A TOOL FOR EMERGENCY AND DISASTER RISK MANAGEMENT	Shanghai Jiao Tong University	<b>CHINA</b>
10:00 10:30	<b>COFFEE/TEA/WATER</b>			
10:30 12:40	<b>SESSION 20</b> <b>ENVIRONMENTAL AND TECHNOLOGY APPROACHES IN EMERGENCY MANAGEMENT</b>			

10:30 10:50	<b>Jorge Gomes<sup>1)</sup> and Steve Peterson<sup>2)</sup></b>	<b>SOCIAL MEDIA FOR DISASTER RISK MANAGEMENT: RESEARCHERS MEET PRACTITIONERS</b>	VOST Portugal <sup>1)</sup> Montgomery County CERT <sub>2)</sub>	<b>PORTUGAL<sup>1)</sup> &amp; USA<sup>2)</sup></b>
10:50 11:10	<b>Nipra Sharma<sup>1)</sup>, Amarjeet Kaur<sup>2)</sup>, Priyanka Kumari<sup>2)</sup>, Parmita Bose<sup>3)</sup> and Sachin Choudhary<sup>4)</sup></b>	<b>ENVIRONMENTAL VULNERABILITY ASSESSMENT FOR SOUTH-WEST REGION OF DELHI USING AHP TECHNIQUE</b>	LNJP Hospital, New Delhi <sup>1)</sup> GGSIU, Dwarka, New Delhi <sup>2)</sup> Senior Resident Anaesthesia GTB Hospital <sup>3)</sup> Assistant Professor Surgery Santosh Medical College and Hospital <sup>4)</sup>	<b>INDIA</b>
11:10 11:30	<b>N. Vinod Chandra Menon</b>	<b>STRENGTHENING MULTI-HAZARD EARLY WARNING SYSTEMS (MHEWS) TO SAVE LIVES AND PROTECT LIVELIHOODS</b>	TIEMS India	<b>INDIA</b>
11:30 11:50	<b>Krunoslav Katić, Mišo Mudrić and Jelena Radošević</b>	<b>IMPETUS WEB SURVEY ON ETHICAL ISSUES OF SMART CITY TECHNOLOGIES - A WIDER PERSPECTIVE</b>	INSTITUT ZA SIGURNOSNE POLITIKE - ISP	<b>CROATIA</b>
11:50 12:10	<b>Sandro Bologna</b>	<b>WE DON'T JUST NEED RESILIENT INFRASTRUCTURE, BUT INFRASTRUCTURE FOR RESILIENCE: THE ROLE OF CLIMATE RESILIENT INFRASTRUCTURE</b>	AIIC Board Member	<b>Italy</b>
12:10 12:30	<b>Tinashe Mashayamombe and Takakudzwa Mugiya</b>	<b>DROUGHT AND WATER AVAILABILITY: CONSIDERATIONS OF ANIMAL ETHICS AND FAECAL CONTAMINATION</b>	Rhodes University	<b>South Africa</b>
12:30 12:50	<b>Asante Msimang</b>	<b>ANIMAL ETHICS ISSUES IN RESEARCH DURING THE COVID19 PANDEMIC</b>	Rhodes University	<b>South Africa</b>
12:50 13:50	<b>LUNCH</b>			
13:50 14:20	<b>SESSION 21 KEYNOTE SPEECH</b>			

<p>13:50 14:20</p>	<p><b>Maia Hallward</b></p>	<p><b>MAIA HALLWARD</b> <i>Professor of Middle East Politics and International Conflict Management</i></p> <p><b>EMERGENCY MANAGEMENT IN TIMES OF CONFLICT</b></p>	<p>Kennesaw State University</p>	<p><b>USA</b></p>
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