

TIEMS 2021 Virtual Annual Conference Preliminary Final Program

TIMING	Monday 6th December	Tuesday 7th December	Wednesday 8th December	Thursday 9th December	Friday 10th December
10:00 – 10:10	Opening & Welcome Session	Second Day Introduction	Third Day Introduction	IMPETUS Project Introduction	Fifth Day Introduction
10:10 – 10:35	Opening and Welcome Speech	Session 4 Emergency Management Technology	Session 7 Preparedness, Response and Resilience	IMPETUS Day Session 11	Keynote Speech 3
10:35 – 11:00	TIEMS France Chapter Report				Session 15 COVID19 Modelling and Opportunities
11:00 – 11:25	TIEMS President's Update				
11:25 – 11:45	Coffee/Tea/Water Break				
11:45 – 12:10	Session 1 Fire Disaster Prevention	TIEMS 2021 AGM	Session 8 Ethics, Resilience and Awareness	IMPETUS Day Session 12	Session 16 Environment, Trauma and International Crisis
12:10 – 12:35					
12:35 – 13:00					
13:00 – 14:00	Lunch				
14:00 - 14:25	Session 2 Covid19 Lessons Learned	Keynote Speech 1	Keynote Speech 2	IMPETUS Day Session 13	Session 17 Urban and Public Safety
14:25 – 14:50		Session 5 Decision Support	Session 9 Public Service and Education		
14:50 – 15:15					
15:15 – 15:35	Coffee/Tea/Water break				
15:35 – 16:00	Session 3 Public Emergency Communication	Session 6 Resilience	Session 10 Panel on International Certifications in Emergency Management	IMPETUS Day Session 14	Summary of the Conference
16:00 – 16:25					End of Conference
16:25 – 16:50					
16:50 – 17:00	Summary of the Day	Summary of the Day	Summary of the Day	IMPETUS Project Summary	
17:00	End of Conference Day				

TIEMS 2021 Virtual Annual Conference Monday 6th December 2021

Chairman: Jean - Paul Monet

TIME	Presenter/Authors	Title	Organization(s)	Country
10:00 11:25	OPENING AND WELCOME SESSION			
10:00 10:10	Jean - Paul Monet	WELCOME TO TIEMS 2021 VIRTUAL ANNUAL CONFERENCE INTRODUCTION OF THE CONFERENCE PROGRAM	TIEMS Regional Director for Europe	France
10:10 10:35	M. Jean-Marie Le Guen	OPENING AND WELCOME	Former Minister in Charge of Relations with Parliament and Former President of HCFRN	France
10:35 11:00	Christian Sommade	REPORT FROM TIEMS FRANCE CHAPTER	Délégué Général du Haut Comité Français pour la Résilience Nationale	France
11:00 11:25	K. Harald Drager	TIEMS STATUS - PRESENT ACTIVITIES AND FUTURE PLANS	TIEMS President	Norway
11:25 11:45	COFFEE/TEA/WATER BREAK			
11:00 13:00	SESSION 1 FIRE DISASTER PREVENTION			
11:45 12:10	Eric Saylor	QUANTIFYING THE NEGATIVE	Sacramento Fire	USA
12:10 12:35	Dave Waterhouse and François Delorme	THE ECONOMIC BENEFIT OF FIRE PREVENTION	Consultant	Canada
12:35 13:00	Fahmida Saadia Rahman¹⁾, W. Kathy Tannous¹⁾, Lara Harvey²⁾, S. Gulay Avsar¹⁾, Kingsley E. Agho¹⁾ and Nargess Ghassempour¹⁾	ECONOMIC COSTS OF RESIDENTIAL FIRE: A SYSTEMATIC REVIEW	Western Sydney University ¹⁾ Neuroscience Research Australia ²⁾	Australia

13:00 14:00	LUNCH			
14:00 15:15	SESSION 2 COVID19 LESSONS LEARNED			
14:00 14:25	Chris Sagoe	RESEARCH INTO THE POTENTIAL LINKS BETWEEN COVID19, MISINFORMATION AND THE "MISMEDICATION" IN THE KINGDOM OF LESOTHO	National University of Lesotho	Lesotho
14:25 14:50	Mehrdad Asadi	COMPARISON OF THE ROLE OF SOCIAL SUPPORT CENTERS AND RELIGIOUS CENTERS IN SOCIAL RESILIENCE IN THE CORONAVIRUS EPIDEMIC	Yazd University	Iran
14:50 15:15	Angeli Medina	COVID19 PANDEMIC: A TOLL ON THE SOUTHEAST ASIAN PUBLIC HEALTH SYSTEM	Veteran's Administration	USA
15:15 15:35	COFFE/TEA/WATER BREAK			
15:35 17:00	SESSION 3 PUBLIC EMERGENCY COMMUNICATION			
15:35 16:00	Kailash Gupta¹⁾, Dharmendra Boolchandani^{2),1)} and Caitlin Varquez³⁾	FAIL-PROOF AND FRUGAL HAM EMERGENCY COMMUNICATION	TIEMS India Chapter President ¹⁾ Malaviya National Institute of Technology ²⁾ University of Minnesota ³⁾	India ¹⁾ USA ³⁾
16:00 16:25	Minghui Lyu	APPLIED RESEARCH ON PUBLIC COMMUNICATION OF WARNING INFORMATION DURING COVID-19 PANDEMIC BASED ON QUESTIONNAIRE SURVEY	China Meteorological Administration	China
16:25 16:50	Kailash Gupta¹⁾ and Caitlin Varquez²⁾	HAM CLUB STATION AT MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY, JAIPUR, INDIA	TIEMS India Chapter President ¹⁾ University of Minnesota ²⁾	India ¹⁾ USA ²⁾
16:50 17:00	Jean - Paul Monet	SUMMARY OF THE FIRST DAY OF THE CONFERENCE	TIEMS Regional Director for Europe	France
1700	END OF CONFERENCE DAY 1			

TIEMS 2021 Virtual Annual Conference Tuesday 7th December 2021

Chairman: Roman Tandlich

TIME	Presenter/Authors	Title	Organization(s)	Country
10:00 11:25	SESSION 4 EMERGENCY MANAGEMENT TECHNOLOGY			
10:00 10:10	Roman Tandlich	INTRODUCTION OF CONFERENCE DAY 2 SESSIONS	TIEMS Regional Director for Africa	South Africa
10:10 10:35	Prof. N. Vinod Chandra Menon	INFORMATION TECHNOLOGY ENABLED TOOLS FOR STRENGTHENING MULTI-HAZARD PREPAREDNESS AND EMERGENCY RESPONSE	International Institute of Information Technology (ISquareIT), Pune, India	India
10:35 11:00	Thomas Robertson	AI RISKS AND EMERGENCY MANAGEMENT	Thinking Teams and TIEMS Regional Director for North America	USA
11:00 11:25	Jakub Ryzenko and Anna Nk	PL CASE STUDY: EXPERIENCES OF USING DRONES AND MANNED AVIATION IN CRISIS OPERATIONS ON THE BASIS OF LAS2021 STATE FIRE SERVICE EXERCISE	Crisis Information Centre	Poland
11:25 11:45	COFFEE/TEA/WATER BREAK			
11:45 13:00	TIEMS ANNUAL GENERAL MEETING Chair: K. Harald Drager , TIEMS President			
13:00 14:00	LUNCH			
14:00 15:15	SESSION 5 DECISION SUPPORT			
14:00 14:25	(TBD)	KEYNOTE SPEECH FROM REPRESENTATIVE OF FEMA	FEMA	USA

14:25 14:50	Snjezana Knezic and Martina Baucic	EMERGENCY DECISION SUPPORT SYSTEM PLATFORM: E-CITIJENS PROJECT	University of Split, Faculty of Civil Engineering, Architecture and Geodesy	Croatia
14:50 15:15	Shayla Clarke and David Williams	LIMITED ENGLISH PROFICIENCY PREPAREDNESS FIELDWORK		USA
15:15 15:35	COFFE/TEA/WATER BREAK			
15:35 17:00	SESSION 6 RESILIENCE			
15:35 16:00	Didier Soto, Lucille Alonso, Abla-Mimi Edjossan-Sossou, Michael Gonzva, Fang-Yu Hu, Philippe Sohounou, Camille Vignote, Nicolas Ziv and Karim Selouane	THE RESILIENCE PERFORMANCE ASSESSMENT (RPA), AN INNOVATIVE SOLUTION TO MEASURE THE BALANCE BETWEEN ADAPTATION AND MITIGATION INVESTMENTS FOR INFRASTRUCTURES, BUILDINGS AND TERRITORIES	RESALLIENCE by SIXENSE	France
16:00 16:25	Dr. Efraim Laor	EARTHQUAKES AND SUSTAINABLE INFRASTRUCTURE: NEODETERMINISTIC (NDSHA) APPROACH GUARANTEES PREVENTION RATHER THAN CURE	AFRAN - National Research Institute for Disaster Reduction, Holon Institute of Technology [HIT]	Israel
16:25 16:50	Dukhi Sah	SUSTAINABLE APPROACHES TO INFRASTRUCTURES IN RESILIENCE ERA	Retired Chief Technical Advisor, Bihar Police Building Construction Corporation, Patna, Bihar	India
16:50 17:00	Roman Tandlich	SUMMARY OF THE SECOND DAY OF THE CONFERENCE	TIEMS Regional Director for Africa	South Africa
1700	END OF CONFERENCE DAY 2			

TIEMS 2021 Virtual Annual Conference Wednesday 8th December 2021

Chairman: K. Harald Drager

TIME	Presenter/Authors	Title	Organization(s)	Country
10:00 11:25	SESSION 7 PREPAREDNESS, RESPONSE AND RESILIENCE			
10:00 10:10	K. Harald Drager	INTRODUCTION OF CONFERENCE DAY 3 SESSIONS	TIEMS President	Norway
10:10 10:35	Kyle King	PROJECTING RESILIENCE - CLIMATE SECURITY IMPLICATIONS FOR NATIONAL SECURITY	Capacity Building International	USA
10:35 11:00	Joe Leitmann	REIMAGING PREPAREDNESS, RESPONSE AND RESILIENCE IN THE POST-COVID WORLD	University of California Disaster Resilience Network	USA
11:00 11:25	Pär Eriksson	CREATING WINDS OF CHANGE - ADAPTING AND TRANSFORMING THE CRISIS MANAGEMENT SYSTEM USING EXERCISES	Department of Defense Analysis (FOI), The Swedish Defense Research Agency	Sweden
11:25 11:45	COFFEE/TEA/WATER BREAK			
11:45 13:00	SESSION 8 ETHICS, RESILIENCE AND AWARENESS			
11:45 12:10	Chidinma Iheanetu¹⁾, Iveta Zvercova²⁾, Felix Kwabena Donkor³⁾, Martin Krause²⁾ and Roman Tandlich^{1) 2)}	THE CITIZEN SCIENCE APPROACH AS POTENTIAL MODEL FOR AN ETHICAL AND MULTI-DISCIPLINARY APPROACH TO DISASTER RISK MANAGEMENT IN SOUTH AFRICA AND BEYOND	Rhodes University ¹⁾ Technical University of Liberec ²⁾ University of South Africa ³⁾	South Africa ^{1) 3)} Czechia ²⁾
12:10 12:35	Amelie Grangeat¹⁾ and Alessandro Lazari²⁾	CITIZEN'S RESILIENCE AND PUBLIC WARNING SYSTEMS	F24 France F24 AG	France ¹⁾ Italy ²⁾
12:35 13:00	Michel Bour and Damien Ballereau	BOOSTING CITIZENS' AWARENESS WITH THE SUPPORT OF FIRE AND RESCUE PRACTITIONERS TO ACCELERATE IMPLEMENTATION OF THE SENDAI FRAMEWORK	SAFE Cluster	France
13:00 14:00	LUNCH			

14:00 15:15	SESSION 9 PUBLIC SERVICE AND EDUCATION			
14:00 14:25	Steve Recca	KEYNOTE 2 LEVERAGING RISK ASSESSMENTS IN A COMPLEX, MULTI-HAZARD ENVIRONMENT	Pacific Disaster Center	USA
14:25 14:50	Eunice Paida Vhiriri¹⁾, Yoland Irwin²⁾, Richard K. Laubscher¹⁾, Michaela Přibíková³⁾ and Roman Tandlich^{1,3)}	PUBLIC SERVICE AND PRIVATE STAKEHOLDERS IN THE LISTERIOSIS OUTBREAK IN SOUTH AFRICA: SOME ETHICAL REFLECTIONS	Rhodes University ¹⁾ Noroff University College ²⁾ Technical University of Liberec ³⁾	South Africa ¹⁾ Norway ²⁾ Czechia ³⁾
14:50 15:15	Abbas Abu Shama Abdel Mahmoud	PERSONAL EXPERIENCE OF LECTURING EMERGENCY MANAGEMENT IN THE SAFETY AND SECURITY HIGHER EDUCATION SPHERE	Freelance lecturer and professional in emergency management	Sudan
15:15 15:35	COFFE/TEA/WATER BREAK			
15:35 17:00	SESSION 10 PANEL ON INTERNATIONAL CERTIFICATIONS IN EMERGENCY MANAGEMENT			
15:35 16:00	K. Harald Drager	TIEMS INTERNATIONAL CERTIFICATIONS - TQC & TQAC - STATUS AND FUTURE PLANS	TIEMS President	Norway
16:00 16:25	Prof. N. Vinod Chandra Menon	EMERGING TRENDS IN INTERNATIONAL CERTIFICATIONS IN EMERGENCY MANAGEMENT	Senior Advisor & Mentor, International Institute of Information Technology (ISquareIT), Pune, India	India
16:25 16:50	Larry Porter	VALIDATION OF QUALITY EMERGENCY MANAGEMENT ACADEMIC PROGRAMS THROUGH ASSESSMENT AND ACCREDITATION		USA
16:50 17:00	K. Harald Drager	SUMMARY OF THE THIRD DAY OF THE CONFERENCE	TIEMS President	Norway
1700	END OF CONFERENCE DAY 3			

IMPETUS Day at TIEMS 2021 Virtual Annual Conference Thursday 9th December 2021

Chairman Joe Gorman, SINTEF

TIME	Presenter/Authors	Title	Organization(s)	Country
10:00 10:10	Joe Gorman	SESSION 11 INTRODUCTION ABOUT THE IMPETUS PROJECT INTRODUCING EACH SPEAKER CHAIRING Q&A AFTER EACH PRESENTATION	SINTEF	Norway
10:10 10:35	Matthieu Branlat	KEY RESULTS FROM H2020 PROJECT IMPETUS	SINTEF	Norway
10:35 11:00	Jelena Radošević, Krunoslav Katić and Mišo Mudrić	IMPETUS PUBLIC OPINION SURVEY ON ETHICAL ISSUES OF SMART CITY TECHNOLOGIES	Institute for Security Policies	Croatia
11:00 11:25	Sandro Bologna	IS YOUR SMART CITY A RESILIENT CITY?	TIEMS	Italy
11:25 11:45	COFFEE/TEA/WATER BREAK			
11:45 13:00	SESSION 12 IMPETUS PRESENTATIONS			
11:45 12:10	Nesrine Kaaniche ¹⁾ and Joaquin Garcia-Alfaro ²⁾	PRIVACY-PRESERVING CHALLENGES FOR URBAN SAFETY	Telecom SudParis ¹⁾ Institut Polytechnique de Paris ²⁾	France
12:10 12:35	Martina Ragosta ¹⁾ , Matthieu Branlat ¹⁾ , Giulia Canilli ²⁾ and Bruno Bonomini ²⁾	VALIDATE SENSITIVE TECHNOLOGIES IN REALISTIC OPERATIONAL ENVIRONMENT	SINTEF ¹⁾ Comune di Padova ²⁾	Norway ¹⁾ Italy ¹⁾
12:35 13:00	Tor Olav Grøtan ¹⁾ , Andrea Vik Bjarkø ¹⁾ , Osman Mohammad Ibrahim ²⁾ and Ian Simon Gjetrang ²⁾	PUBLIC SAFETY IN SMART CITIES - A (TRANSITIONAL) RESILIENCE PERSPECTIVE	SINTEF ¹⁾ Oslo Municipality (Oslo Kommune) ²⁾	Norway
13:00 14:00	LUNCH			

14:00 15:15	SESSION 13 IMPETUS PRESENTATIONS			
14:00 14:25	Radu Popescu	PLATFORM ARCHITECTURE FOR IMPETUS	SIVECO	Romania
14:25 14:50	Paolo Mignone¹⁾ , Anisetti Marco ²⁾ , Claudio Ardagna ²⁾ , Costantino Mele ¹⁾ , Alessandro Balestrucci ³⁾ , Chiara Braghin ²⁾ , Ernesto Damiani ²⁾ , Antongiacomo Polimeno ²⁾ , Donato Malerba ¹⁾ and Michelangelo Ceci ¹⁾	BIG DATA INGESTION AND ANALYTICS FOR PHYSICAL THREAT INTELLIGENCE	Università degli studi di Bari ¹⁾ Università degli studi di Milano ²⁾ Consorzio Interuniversitario Nazionale per l'Informatica - CINI ³⁾	Italy
14:50 15:15	Joaquín Luzón Tuells and Berta Biescas	ETHICAL CHALLENGES IN THE SOCIAL MEDIA AI-DRIVEN THREAT DETECTION FOR CITIES AND CITIZENS	Insikt Intelligence	Spain
15:15 15:35	COFFE/TEA/WATER BREAK			
15:35 17:00	SESSION 14 IMPETUS PRESENTATIONS			
15:35 16:00	Joe Levy	IMPETUS EU PROJECT WEAPON DETECTION TOOL	CINEDIT	Switzerland
16:00 16:25	Keren Saint-Hilaire¹⁾ and Joaquin Garcia-Alfaro²⁾	ONTOLOGY-BASED ATTACK GRAPH ENRICHMENT	Telecom SudParis ¹⁾ Institut Polytechnique de Paris ²⁾	France
16:25 16:50	Paolo Mocellin , Matteo Bottin, Chiara Vianello, Giulio Rosati and Giuseppe Maschio	AN APPROACH TO A SAFE EGRESS FROM PUBLIC SPACES DRIVEN BY RISK PRINCIPLES	Università degli Studi di Padova	Italy
16:50 17:00	Joe Gorman	SUMMING UP AND CONCLUSIONS	SINTEF	Norway
1700	END OF IMPETUS DAY 4 OF THE CONFERENCE			

TIEMS 2021 Virtual Annual Conference Friday 10th December 2021

Chairman: Kyle King

TIME	Presenter/Authors	Title	Organization(s)	Country
10:00 11:25	SESSION 15 COVID19 MODELING AND OPPORTUNITIES			
10:00 10:10	Kyle King	INTRODUCTION OF CONFERENCE DAY 5 SESSIONS	Capacity Building International	USA
10:10 10:35	Duncan Shaw and David Powell	KEYNOTE 3 OPERATIONALISING LOCAL RESILIENCE CAPABILITIES	University of Manchester	UK
10:35 11:00	George Markowsky	MODELING THE DELTA VARIANT OF COVID-19	Missouri University of Science & Technology	USA
11:00 11:25	Chaim Rafalowski	PANDEMIC - NEW OPPORTUNITIES FOR EMERGENCY MEDICAL SERVICES	Magen David Adom Israel	Israel
11:25 11:45	COFFEE/TEA/WATER BREAK			
11:45 13:00	SESSION 16 ENVIRONMENT, TRAUMA AND INTERNATIONAL CRISIS			
11:45 12:10	Charles Kelly	BIGGER SHIPS, MORE CONTAINERS: AN EMERGING ENVIRONMENTAL DISASTER		USA
12:10 12:35	Johnston Wong¹⁾ and Candy Zhou²⁾	TRAUMA-INFORMED RESPONSES TO EMERGENCIES IN THE DIGITAL ERA	BNU-HKBU United International College ¹⁾ Social Workers Across Borders ²⁾	China
12:35 13:00	Kyle King	THE 2021 TIEMS WEBINAR SERIES: COMMUNITY ENGAGEMENT	Capacity Building International	USA
13:00 14:00	LUNCH			

SESSION 17 URBAN AND PUBLIC SAFETY				
14:00 14:25	Ze Zhao Liu¹⁾, Wei Wang²⁾ and Rui Ma³⁾	THRESHOLD EFFECT FOR REGIONAL EMERGENCY MANAGEMENT: AN ASSESSMENT BY THE SYSTEM SIMULATION APPROACH IN CHINA	Nanjing University ¹⁾ Xi'an Jiaotong University ²⁾ Jiangsu Normal University ³⁾	China
14:25 14:50	Simona Cavallini	A CONCEPTUAL FRAMEWORK TO ASSESS AND MEASURE SECURITY AND SAFETY IN URBAN AREAS	TIEMS Italian Chapter	Italy
14:50 15:15		AVAILABLE TIME SLOT		
15:15 15:35	COFFE/TEA/WATER BREAK			
15:35 16:00	K. Harald Drager	SUMMARY OF CONFERENCE	TIEMS President	Norway
16:00	END OF CONFERENCE			