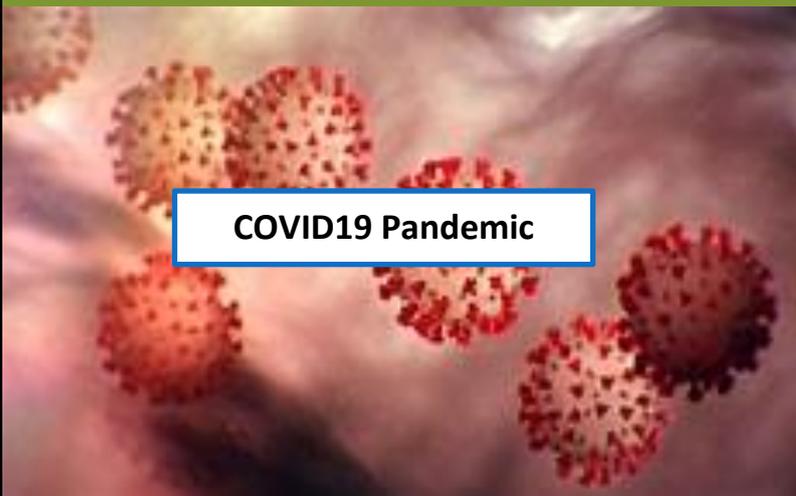




TIEMS PRESIDENT 2021 ANNUAL REPORT



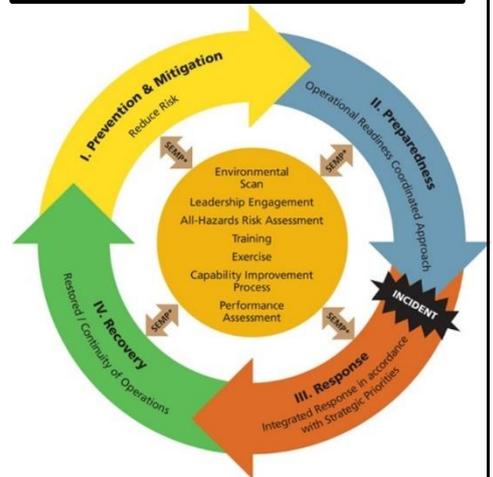
TIEMS 2020 ANNUAL CONFERENCE

CITIZENS AND CITIES FACING NEW HAZARDS AND THREATS

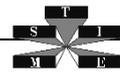


IMPETUS

TIEMS – CBI WEBINARS 2021



The Pictures Illustrates TIEMS Focus in 2020 - 2021

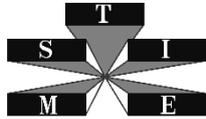




The International Emergency Management Society - TIEMS

www.tiems.org

MISSION



TIEMS prepares the world for emergencies. TIEMS is a global forum for education, training, certification, and policy for emergency and disaster management. We do not respond to emergencies: we ensure that others are ready to respond. This is important internationally because some parts of the world otherwise have limited support for preparation. As the international community discovers and develops new technologies, methodologies, and best practices, we offer conferences, ongoing forums, and training courses that rapidly and continuously spread the knowledge to every corner of the community. As policy makers grow to understand both the need for preparation and the support TIEMS provides, we expect to influence policy choices that strengthen cooperation among regional communities before disasters strike.

CHAPTERS

Chapters provide a regional focus for TIEMS activities. This is important because every region has unique circumstances and challenges, so there is no planning process that applies everywhere.

Currently TIEMS has 16 chapters representing: Belgium/Netherlands/Luxembourg, China, Finland, India, Iraq, Italy, Japan, Korea, Middle East and North Africa, Nigeria and West Africa, Romania, United States of America, Philippines, France and South Africa. Australia is under establishment. Each of the chapters is autonomous. Some chapter

members are members of TIEMS international, and others are only members of the chapter, with local rules governing membership. The chapter establishes local activities and coordinates with the rest of TIEMS as needed.

The TIEMS Secretariat, located in Brussels, is available to the chapters for administrative support. The chapters report annually to the Secretariat about chapter activities, plans and finances.

ACTIVITIES

- TIEMS organizes international conferences, webinars, workshops and exhibitions, worldwide, with a focus on Emergency Management and Disaster Response topics.
- TIEMS engages in research & technology development (RTD) projects that enable TIEMS members to apply their expertise to international emergency management initiatives.
- The TIEMS International Group of Experts (TIGE) comprises 104 experts from 22 countries with wide ranging expertise and experience available to assist with emergency preparedness planning and response worldwide.
- TIEMS Education and Training comprises TIEMS Academy with courses in Emergency Management and Disaster response and TIEMS International Certifications - TQC & TQAC for experts working with emergency management.

MEMBERSHIP

As a member of the TIEMS, you are part of an international community of leaders, practitioners and academics in emergency management, with diverse backgrounds in engineering, science, government, academics, military, and industry working together to make the world a safer place. Membership affords unique opportunities to **learn**, **serve**, and **network**.

Learn: From the multi-disciplinary, multinational TIEMS community and through special programs.

Serve: By helping us in our mission to reduce the impacts of disasters and emergencies worldwide.

Network: With regional and international colleagues to develop valued personal and professional relationships, and enhanced opportunities.



You are welcome to join us as a TIEMS member.

K. Harald Drager
TIEMS President



SUMMARY of TIEMS YEAR 2020 - 2021 by TIEMS President

(Covers the period 2020 and until 1st August 2021)

1 TIEMS President 2020 - 2021 Reflections

TIEMS Presidents reflections on TIEMS developments and achievements during 2020 - 2021. [Read More...](#)

2 TIEMS 2020 Virtual Annual Conference

TIEMS 2020 Annual Conference was virtual due to the Covid19 pandemic. [Read More...](#)

3 TIEMS International Certifications - TQC & TQAC

TIEMS International Certifications - TQC & TQAC were completed in 2020 and 7 experts from six countries have already been TQC certified. [Read More...](#)

4 The EU Project IMPETUS

TIEMS became a partner in a new EU project in 2020, the IMPETUS Project which deals with smart city technology and how to make a smart city resilient. [Read More...](#)

5 TIEMS China Chapter 2020 Annual Conference

TIEMS China Chapter arranged their 2020 Annual Conference 18th September 2020 in Shenzhen, China. [Read More...](#)

6 CBI - TIEMS Webinars 2021

Building upon the International Crisis and Emergency Management Series from 2020, Capacity Building International (CBI) has partnered with TIEMS and launched a webinar series in 2021, on international models in emergency management. [Read More...](#)

7 TIEMS Newsletters 2020 - 2021

TIEMS issued five newsletters in this period, three regular newsletters and two special issue newsletters. [Read More...](#)

8 TIEMS 2020 - 2021 Administration

TIEMS Membership, how to become a TIEMS member and how to give donations are described. TIEMS Financial situation is reported. TIEMS Directors and Officers are presented as well as TIEMS future plans. [Read More...](#)



1

TIEMS Presidents 2020 - 2021 Reflections

PANDEMIC SITUATION

2020 became a very challenging year, and global emergency management was dominated by the COVID19 pandemic, and how to protect the public, avoiding spreading of the virus and getting a vaccine developed and approved for starting vaccination worldwide.

Now half way through 2021, the COVID19 is still the main disaster topic worldwide, but the focus has changed to more hope even if some countries, have been hit hard by the virus, and they are still struggling.

Many countries report success stories about vaccination, even if serious side effects have been discovered for some of the vaccines, and that many countries are still not getting their fair share of available vaccines. The pledge by the G7 countries in their last meeting gives hope for a better distribution of the vaccine worldwide. However, vaccination hesitancy in some countries cast doubts on reaching herd immunity within short.

However, all in all, I dare say that we may, hopefully, during this year, see the end of the pandemic, even if we probably need to live with different mutations popping up and spreading, but hopefully this will be controlled fast, based on the lessons learned during the pandemic. I think, we have learned a profoundly serious lesson, and that the world is now more prepared for handling pandemics in the future.

TIEMS STATUS 2021

In TIEMS, we have also adapted to the pandemic situation, and virtual communication has been the new way of communicating. This has led to that we have been able to connect the whole TIEMS worldwide organization on-line much more often, for updating and planning. Also, attendance at our

conferences and webinars have been much better when participants do not have to pay travelling and accommodation expenses for participating. Even if I miss to meet people physically, the virtual communication will permanently change the way we operate in the future. I believe this will lead to a more efficient way of operation in TIEMS in a hybrid communication model, with both physically and virtual communication.

TIEMS ACTIVITIES 2021

TIEMS main focus in 2020 - 2021 is reported in this annual report covering the following activities:

- **TIEMS 2020 Virtual Annual Conference**
TIEMS annual conference was virtual because of the pandemic, and was performed on Zoom. Both proceedings and videos are documented on TIEMS web-site so those who missed the conference can view it all on-line.

I hope we will be able to meet physically during TIEMS 2021 annual conference in Paris in December this year. However, this will be a hybrid event, so participants can also attend virtually. Call for papers and posters are found on TIEMS web-site, and we invite both for peer review papers and practitioners talks.

- **TIEMS International Certifications - TQC & TQAC**
TQC & TQAC was finalized in 2020 and the first experts are certified and TQC & TQAC certifications are now offered to experts worldwide.

With an increasing number of disasters worldwide, resulting in more international collaboration and support to disaster-stricken areas, the need for more education and training in international emergency and disaster management seems evident. TIEMS believes that it is important to raise the awareness of the



competencies needed in emergency and disaster management, and to support those participating in these activities and operations in acquiring those competencies. This is TIEMS motivation for launching the TQC & TQAC certifications.

TIEMS believes that TQC & TQAC can act as the facilitator element in the cooperation's efforts between countries and organizations using a common language and a common knowledge and understanding of international emergency management and disaster response, and TIEMS is reaching out to universities worldwide, which is offering education in emergency management, suggesting TQC & TQAC to be their international link.

- **The Impetus Project**

TIEMS became a partner in a new EU funded project, IMPETUS, 1st September last year, and the project develops as planned. TIEMS responsibility in this project is dissemination and communication, and 12 TIEMS experts from 9 countries are involved in TIEMS activities in the project. This is one of the very good TIEMS member benefits.

TIEMS has now also become a partner in two new EU projects starting up at the end of 2021, about wildfires, and we will start recruiting TIEMS experts for manning the TIEMS team in the projects soon.

- **TIEMS China Chapter 2020 Annual Conference**

TIEMS China Chapter arranged their annual conference in Shenzhen in 2020 with good attendance and an exciting program.

- **TIEMS - CBI Webinars**

TIEMS -CBI Webinars is a new TIEMS activity. This Webinar series on international models in emergency management. was launched at the beginning of 2021 and have been very successful. By July this year the attendance have come from over 64 countries and more than 1,200 participants have joined the Webinars. The feed-back is overwhelming

positive, and the participants are very pleased with this exchange of information and the learning from it.

- **TIEMS Newsletters in 2020 - 2021**

Sharing information and learning from each other is the main focus with TIEMS regular and special edition newsletters. TIEMS issued 5 newsletters in 2020 -2021, three regular newsletters and 2 special issue newsletters, and we get good feed-back on the content covered.

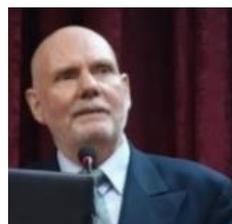
- **TIEMS Organizational Development**

TIEMS has found an improved operational role during the pandemic, which I feel add value in the international emergency and disaster response community, where we focus on sharing vital information on global emergency management, and lessons learned, and that this has been very welcomed in the community.

The new on-line communication form and new activities have increased TIEMS international presence this year. We will continue to be communicating on-line and add new activities in our portfolio of activities in the future as well. We believe this is adding value in global emergency management, and support all working worldwide in emergency management and disaster response.

We invite you as a reader to become a TIEMS member and thus supporting our goal of a safer world through improving resilience in societies worldwide.

Stay Safe and Enjoy Reading!



K. Harald Drager
TIEMS President



2

TIEMS 2020 Virtual Annual Conference

The TIEMS 2020 Virtual Annual Conference took place 30th November to 4th December on Zoom, and all sessions were recorded on video.



There were 10 sessions over the course of the 5 days with a morning session from 10:00 to 12:00 and an afternoon session from 14:00 to 16:00. The online conference was well-attended all through the whole week. Presentations included:

- Confucian resilience or former developing countries resilience? Why Asian countries suffered less from coronavirus than the west?
- What makes hospital staff ready to manage the COVID-19 pandemic? A psycho-social approach
- Cyber Resilience Awareness Training Cyber Ranges
- Engaging populations in disaster management: needs, opportunities and challenges for ICT
- Applying Artificial Intelligence to Emergency and Disaster Management

- Preliminary Study on Benefit Evaluation of Disaster Prevention of Rainstorm Based on Integrated Disaster Risk Governance Model.

The full program, videos and proceedings are available at:

<https://www.tiems.info/index.php/tiems-2020-virtual-annual-conference-videos/tiems-2020-virtual-annual-conference>

See Call for Papers and Poster for TIEMS 2021 Annual Conference:

<https://www.tiems.info/index.php/tiems-2020-virtual-annual-conference-videos>

3

TIEMS International Certifications - TQC & TQAC

TIEMS International Certifications TQC & TQAC are now complete and the 7 first experts from 6 countries, USA, China, South Africa, Australia, Jordan and Nigeria are TQC Certified. TIEMS is now focusing on accept for these certifications in a global context. Below is a brief introduction to TQC & TQAC.



TQC™ & TQAC™ Background and Development Process



Motivation

With an increasing number of disasters worldwide, resulting in more international collaboration and support to disaster stricken areas, the need for more education and training in international emergency and disaster management seems evident. TIEMS believes that it is important to raise the awareness of the competencies needed in emergency and disaster management, and to support those participating in these activities and operations in acquiring those competencies. This is TIEMS motivation for launching

TIEMS International Certifications - TQC & TQAC

Development Process

- ❑ The idea for a TIEMS International Certification emerged during the TIEMS 2006 Annual Conference in Korea
- ❑ Around 300 experts from more than 40 countries have, over time, been consulted during the TQC development process, by answering a questionnaire and participating in three workshops in Kiev, Manila, and Seoul; discussing and concluding the TQC concept
- ❑ Seven test candidates from 6 countries: Australia, China, Jordan, Nigeria, South Africa, and USA; have tested the on-line TQC system from A to Z, giving valuable feedback on the quality, operational aspects, and relevance of TQC; thus guiding TIEMS to attune TQC to the needs of the international emergency management and disaster response community
- ❑ When TQC was launched, TIEMS was soon approached by newly educated professionals, who had proper education but were lacking practical experience in emergency management. TQAC was then established as an additional TIEMS certification for those with proper education in emergency management but was lacking practical experience



TIEMS International Certifications - TQC™ & TQAC™



TQC & TQAC For Whom:

- TQC is a certification for individual emergency managers with a nationally recognized professional certification or other individuals with documented competence and experience, practical or academic, in international emergency and disaster management
- TQAC is a certification for individuals with proper education in emergency management but who are lacking the practical experience as required for TQC
- TQC & TQAC only certify knowledge and competence about international standards, requirements, and best practices, necessary to create "an international common understanding" among those working with emergency and disaster management internationally

TQC & TQAC Objective:

- TIEMS Believes that Internationally Focused Certifications will:**
- Promote Global Competence in Emergency Management
 - Share Best Practices
 - Support International Collaboration
 - Lead to an International Common language, Knowledge and Understanding of Emergency and Disaster Management

<https://www.tiems.info/index.php/education/overview>



TQC™ & TQAC™ Process



TQC & TQAC can act as the facilitator element in the cooperation's efforts between countries and organizations using a common language and a common knowledge and understanding of international emergency management and disaster response



TQC™ Certification Prerequisites



To be eligible to take the TQC exam, a candidate should provide evidence of

Education, Participation, Contribution, and Competence

The Applicant is encouraged to identify international aspects in any of the below!

Education - One or more of the following

- i. Bachelor's degree in science, engineering, social science or emergency/disaster management specialty (International Standard Classification of Education Level 6, e.g., a bachelor's degree from a reputable university)
- ii. Minimum 50 hours of emergency/disaster management training in the last 5 years
- iii. A certification related to emergency/disaster management at the national level

Participation -

The candidate is required to have at least 3 years' experience as a first responder, volunteer, educator, leader, or other activity, practical or academic, directly involved with emergency/disaster management, in the last 6 years

Contribution - one or more of the following

- i. At least 5 publications or speaking engagements in emergency/disaster management
- ii. Participation as leader or board member of an organization that participates in emergency/disaster management
- iii. Teaching emergency/disaster management

Competence -

The candidate is required to show having competence (experience or education) in seven areas of emergency and disaster management:

- i. International Perspectives
- ii. Preparedness, Prevention, and Mitigation
- iii. Predictions and Early Warning
- iv. Emergency Operations
- v. Public Warning
- vi. Search and Rescue
- vii. Recovery and Reconstruction

TQC & TQAC Code of Conduct

Read and follow the TQC & TQAC Code of Conduct during the TQC/TQAC Certification Process



TQAC™ Certification Prerequisites



To be eligible to take the TQAC exam, a candidate should provide evidence of

Education and Competence

The Applicant is encouraged to identify international aspects in any of the below!

Education - One or more of the following

- i. Bachelor's degree in science, engineering, social science or emergency/disaster management specialty (International Standard Classification of Education Level 6, e.g., a bachelor's degree from a reputable university)
- ii. Minimum 50 hours of emergency/disaster management training in the last 5 years
- iii. A certification related to emergency/disaster management at the national level

Competence -

The candidate is required to show having competence (experience or education) in 3 of the seven areas of emergency and disaster management (according to own choice of which):

- i. International Perspectives
- ii. Preparedness, Prevention, and Mitigation
- iii. Predictions and Early Warning
- iv. Emergency Operations
- v. Public Warning
- vi. Search and Rescue
- vii. Recovery and Reconstruction

TQC & TQAC Code of Conduct

Read and follow the TQC & TQAC Code of Conduct during the TQC/TQAC Certification Process



TQC™ & TQAC™ Application and TQC Re -Certification Form

Header

TQC & TQAC Application and TQC Re-Certification Form

Welcome to the TIEMS International Certifications – TQC & TQAC
 Please familiarize yourself with the process and requirements of the TQC & TQAC Certification by reading the following documents and check off that you have read and understood them, and that you think you meet the requirement criteria for TQC & TQAC Certification and will respect the TQC & TQAC Code of Conduct. Once you are comfortable that you meet the required criteria, simply fill out below to alert us of your interest in pursuing certification or re-certification.

Please be aware that ALL fields except "State" are required in SECTION 1 of the Form. Failure to provide a complete application may result in a summary rejection of your application.

Please Select Application Type: TQC & TQAC Application Upgrade from TQAC to TQC TQC Re-Certification

TQC & TQAC Best Information: I have read and understood the Introduction I have read and understood the Code of Conduct

The General Section 1

Personal Data on the Applicant

The TQC & TQAC Application Section 2

Applicant's Education, Experience and Motivation

Upgrade from TQAC to TQC Section 3

Applicant's Education, Training and Experience since TQAC Certification

The TQC Re-Certification Section 4

Applicant's Education, Training and Experience since TQC Certification

The Application Form Header with Choices of Application Type and links to Documents to Read before Starting the Application

The Application Form details are shown in the **TQC & TQAC Description Document**

Log in to the Application Form at:
<https://tacpreview.tiems.info/>

The General Section 1 to be filled in for all the three types of Application.

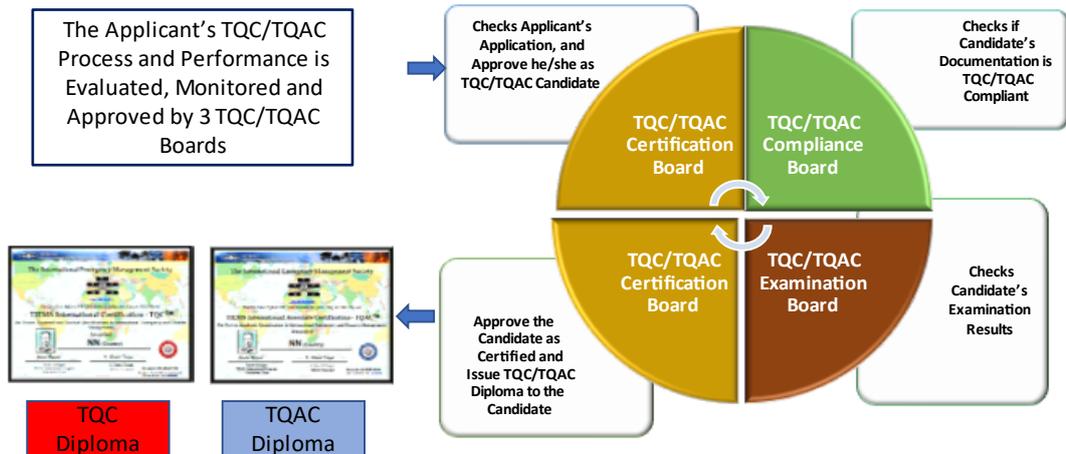
Section 2 to be filled in for those applying for TQC or TQAC Certification

Section 3 to be filled in for those applying for upgrade from TQAC to TQC

Section 4 to be filled in for those applying for TQC Re-Certification



TQC™ & TQAC™ Candidate Evaluation





TQC™ Required Documentation



- A Curriculum Vitae (CV), showing the candidate’s educational and professional experience
The CV should cover:
 - a) Address and contact information
 - b) Work experience
 - c) Education and training
 - d) Language skills
 - e) Other information the candidate wishes to include
- Copies of Degree Diplomas, Program Certificates, and Course Completions
- Copies of Certifications Related to Emergency and Disaster Management
- Evidence of Publications, Presentations, Teaching, or Leadership
- A professional reference describing the candidate’s participation in emergency/disaster management activities
- Additional Background and Experience Documentation
- A Competence Area Summary, Demonstrating Knowledge in the Following 7 Competence Areas:
 - a) International Perspectives
 - b) Preparedness, Prevention, and Mitigation
 - c) Predictions and Early Warning
 - d) Emergency Operations
 - e) Public Warning
 - f) Search and Rescue
 - g) Recovery and Reconstruction



TQAC™ Required Documentation



- A Curriculum Vitae (CV), showing the candidate’s educational and professional experience
The CV should cover:
 - a) Address and contact information
 - b) Work experience
 - c) Education and training
 - d) Language skills
 - e) Other information the candidate wishes to include
- Copies of Degree Diplomas, Program Certificates, and Course Completions
- Copies of Certifications Related to Emergency and Disaster Management
- A professional reference describing the candidate’s participation in emergency/disaster education
- Additional Background Documentation
- A Competence Area Summary, Demonstrating Knowledge in 3 of the Following 7 Competence Areas ((according to own choice of which):
 - a) International Perspectives
 - b) Preparedness, Prevention, and Mitigation
 - c) Predictions and Early Warning
 - d) Emergency Operations
 - e) Public Warning
 - f) Search and Rescue
 - g) Recovery and Reconstruction



TQC™ & TQAC™ Procedures and Platform



TQC/TQAC Web- Platform on Moodle

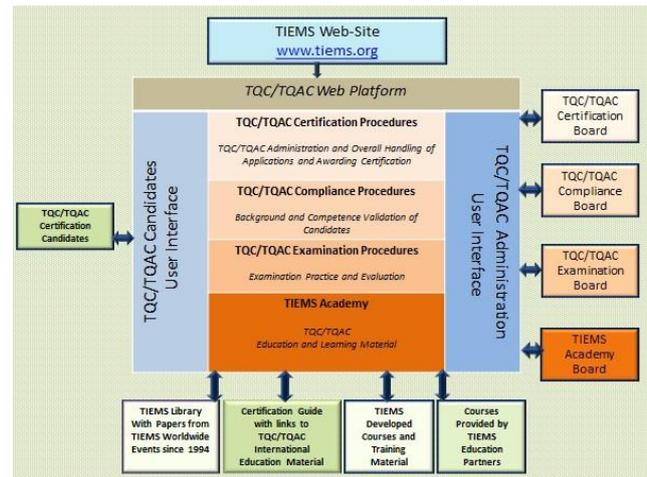
TQC/TQAC PROCEDURES

PUBLIC DOCUMENTS

- TQC/TQAC Brief Introduction
- TQC/TQAC Description Document
- TQC/TQAC Code of Conduct
- TQC/TQAC Application Form
- TIEMS Special Newsletter on TQC Certification

TQC/TQAC ACCEPTED CANDIDATES ONLY

- TQC/TQAC Candidate Certification Guide
- TQC/TQAC Examination Guide
- TQC/TQAC Examination Questions
- TQC/TQAC ProctorFree User Guide



TQC™ & TQAC™ Platform with TIEMS Academy and Present Courses



TIEMS Academy

The overall goal is that TIEMS Academy shall be an online portal that will make emergency management educational resources, from TIEMS and reputable educational institutions and initiatives, broadly available worldwide

TIEMS Academy Contains

- TIEMS Educational Material, in form of Programs and Proceedings from TIEMS International Events (1994 – 2020)
- TIEMS own Developed Courses
- Courses provided by the TIEMS International Education Network
- Links Provided to Relevant International Teaching Material for TIEMS International Certification



TQC™ & TQAC™ Curriculum & Examination

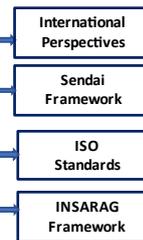


- ❑ TIEMS encourages TQC/TQAC candidates to gain exposure to the many aspects that comprise the field. The TQC/TQAC Web Platform with TIEMS Academy, therefore, provides references to the most important areas.
- ❑ During the TQC/TQAC Compliance Process, the Candidate has to demonstrate experience or knowledge in 7 (TQC) or 3 (TQAC) Competence Areas by a Competence Areas Summary (CAS)
- ❑ However, for the TQC/TQAC examination, the focus is on 4 important areas, on which the TQC/TQAC Candidate will be tested in a proctored, "closed book" examination process

Competence Area Summary Comprises

- International Perspectives
- Preparedness, Prevention, and Mitigation
- Predictions and Early Warning
- Emergency Operations
- Public Warning
- Search and Rescue
- Recovery and Reconstruction

TQC/TQAC Examination Areas

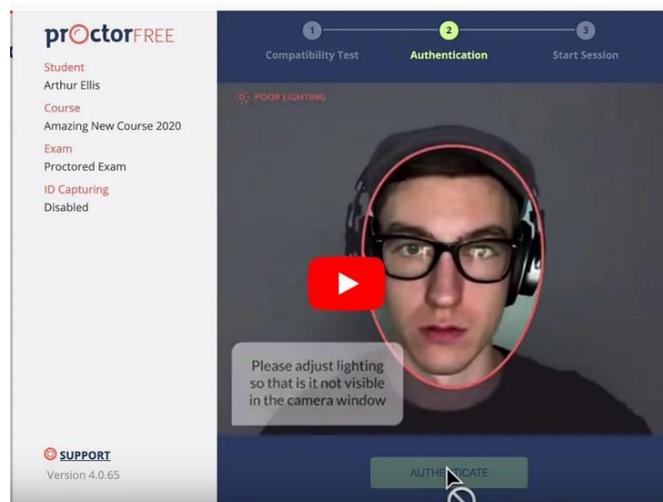


TQC™ & TQAC™ Examination Monitoring



In order for the TQC/TQAC Candidate to take the TQC Exam wherever he/she is, he/she will be identified and monitored by ProctorFree during the whole TQC/TQAC exam.

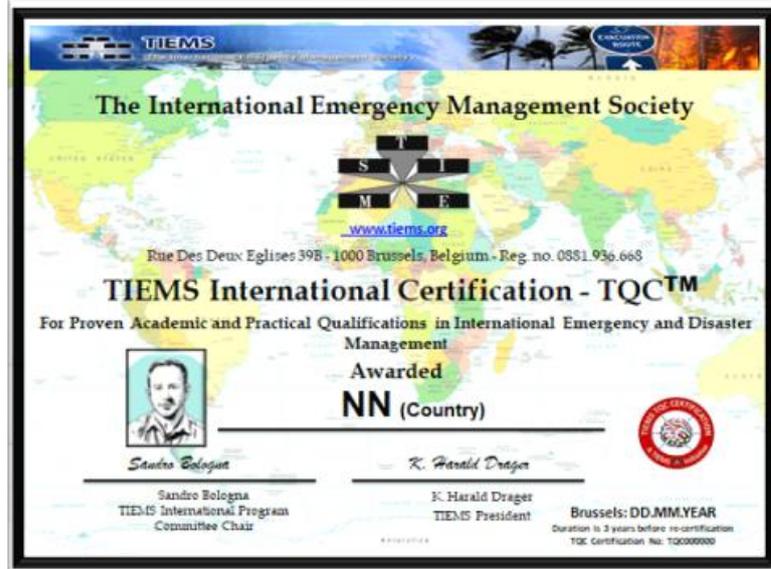
- ❑ Picture Identification will be required
- ❑ Each Exam Quiz has a Time Limit.
- ❑ The candidate will have to stay at his/her computer and will not be allowed to change screens or look away or leave the computer during each Exam Quiz.



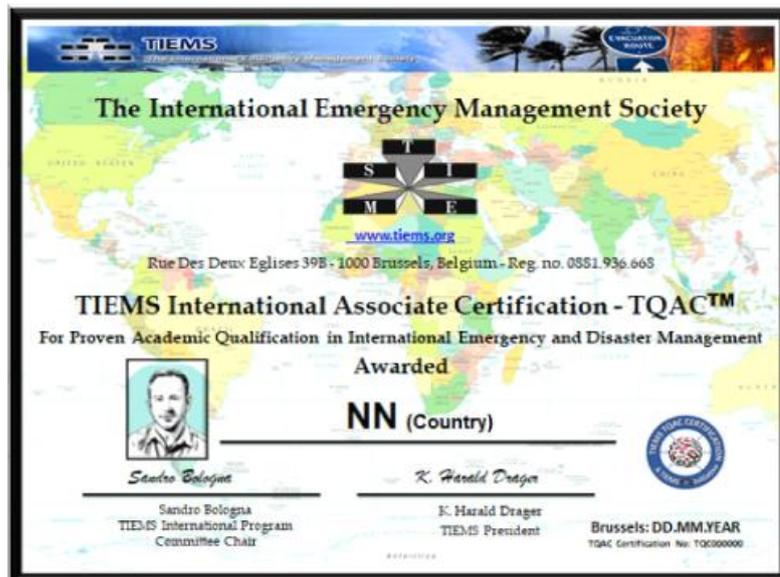
<https://proctorfree.com/>



TQC™ Sample Diploma



TQAC™ Sample Diploma





TQC™ Certified Members 2021



The TQC Certified Members are those who have fulfilled TQC Certification Requirements by passing through all phases of TQC Certification: TQC Application, TQC Compliance, and TQC Examination

These are the TQC Charter Members



1. [Desiree Beekharry](#) (Australia)
2. [Larry A. Porter](#) (USA)
3. [Gbenga Morenikeji](#) (Nigeria)
4. [Nothemba M. Mhlaba](#) (South Africa)
5. [Naill Al Momani](#) (Jordan/Dubai)
6. [Russell Dippy](#) (Australia)
7. [Li Li](#) (China)

- TQC is awarded for a three -year period
- Re-certification efforts required prior to the end of the third year
- Submit the Re-Certification Form
- Evaluation of the TQC-certified person’s experience, activity, and education/training during the 3 years
- Re-Certification Certificate, Or, Re-Certification Exam



TQC™ Charter Members



Desiree Beekharry  Australia TQC Diploma	Larry A. Porter  USA TQC Diploma	Gbenga Morenikeji  Nigeria TQC Diploma	Nothemba M. Mhlaba  South Africa TQC Diploma
Naill Al Momani  Jordan/Dubai TQC Diploma	Russell Dippy  Australia TQC Diploma	Li Li  China TQC Diploma	



TQAC™ Charter Members 2021

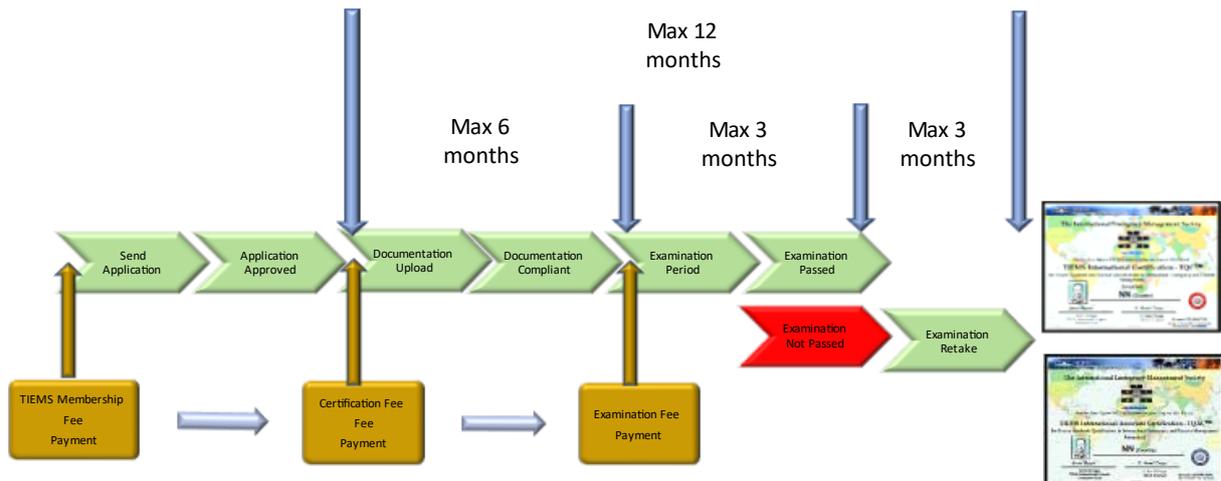


The TQAC Charter Members are those who have fulfilled TQAC Certification Requirements by passing through all phases of TQAC Certification: TQAC Application, TQAC Compliance, and TQAC Examination in 2021

- ❑ TQAC is a One Time Award, Showing Proper Education in Emergency Management
- ❑ TQAC can be Upgraded to TQC Certification when the Candidate has Achieved the Necessary Practical Experience (Participation and Contribution) in Emergency Management
- ❑ The Candidate can then Submit the *TQAC Certification Upgrade to TQC Form*
- ❑ Before sending the upgrade form, the TQC upgrade fee has to be paid
- ❑ The TQAC-certified Person's Experience and Activity will be then Evaluated, and if Fulfilling the TQC Requirements, awarded the TQC Certification



TQC™ & TQAC™ PRACTICAL STEPS AND PAYMENT TIME





TIEMS Membership Fees



TIEMS ANNUAL MEMBERSHIP FEES	
(ONE OF THE FOLLOWING TIEMS MEMBERSHIPS IS REQUIRED BEFORE SENDING THE TQC/TQAC APPLICATION)	
<input type="checkbox"/> Standard Member -- <i>One Year Membership</i> :	95 €
<input type="checkbox"/> Standard Member Transition Economy Country -- <i>One Year Membership</i> :	35 €
<input type="checkbox"/> Student Member -- <i>One Year Membership</i> :	25 €
<input type="checkbox"/> Institutional Member -- <i>One Year Membership</i> :	310 €
➤ Includes 5 TIEMS Memberships	
<input type="checkbox"/> Professional Certified Member -- <i>One Year Membership</i> :	125 €
➤ This membership is for TQC Certified Members after their certification	

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TQC™ & TQAC™ Certification & Examination Fees



TQC CERTIFICATION & EXAMINATION & RE -CERTIFICATION FEES	
(BOTH OF BELOW FEES IS REQUIRED DURING THE TQC CERTIFICATION PRO CESS)	
<input type="checkbox"/> TQC Certification Fee:	125 € (BEFORE STARTING THE TQC COMPLIANCE PROCESS)
<input type="checkbox"/> TQC Examination Fee:	100 € (BEFORE STARTING THE TQC EXAMINATION PROCESS)
<input type="checkbox"/> TQC Re - Certification Fee:	100 € (BEFORE STARTING THE RE -CERTIFICATION PROCESS)

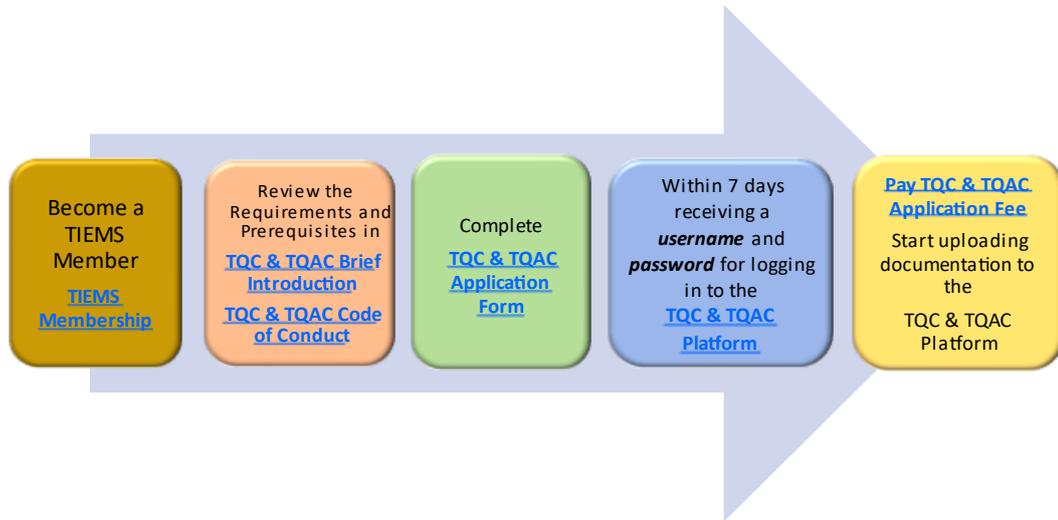
TQAC CERTIFICATION & EXAMINATION AND TQC UPGRADE FEES	
(ALL OF BELOW FEES IS REQUIRED DURING THE TQAC CERTIFICATION PRO CESS AND UPGRADE TO TQC PROCESS)	
<input type="checkbox"/> TQAC Certification Fee:	75 € (BEFORE STARTING THE TQAC COMPLIANCE PROCESS)
<input type="checkbox"/> TQAC Examination Fee:	100 € (BEFORE STARTING THE TQAC EXAMINATION PROCESS)
<input type="checkbox"/> TQAC Upgrade to TQC Fee:	50 € (BEFORE STARTING THE TQAC TO TQC UPGRADING PROCESS)

- In TQC/TQAC Inaugural year 2021, TIEMS is offering 50 % discount on above TQC/TQAC Certification & Examination Fees!
- TIEMS members from transition economy countries can apply for TIEMS TQC/TQAC Scholarship, which will cover TQC/TQAC Application Fee and 50 % of the TQC/TQAC Examination Fee for qualified applicants

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How to Start TQC™ & TQAC™ Certification



TQC™ & TQAC™ Public Documents



- TQC & TQAC Brief Introduction, [pdf file](#)
- TQC & TQAC Description Document, [pdf file](#)
- TIEMS Special Newsletter on Certification, [pdf file](#)
- TQC & TQAC Code of Conduct, [pdf file](#)
- TQC & TQAC Application and TQC ReCertification Form, [Link](#)



TQC™ & TQAC™ Contact Information



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Certification Board**
K. Harald Drager
khdrager@online.no

**Chair of TQC & TQAC
Compliance Board**
Thomas Robertson
tvrobertson@yahoo.com

**Chair of TQC & TQAC
Examination Board**
Sandro Bologna
s.bologna@infrastrutturecritiche.it

Chair of TIEMS Academy Board
Snjezana Knezic
snjezana.knezic@gmail.com

TIEMS Secretariat
secretariat@tiems.info

For further details see: <https://www.tiems.info/index.php/education>

4

The EU Project IMPETUS

1st of September 2020 a new EU project started up with TIEMS as a partner, IMPETUS (Intelligent Management of Processes, Ethics and Technology for Urban Safety). IMPETUS will provide city authorities with new means to address security issues in public spaces, and so help protect citizens. Using data gathered from multiple sources, it will facilitate detection of threats and help human operators dealing with threats to make better informed decisions. The IMPETUS approach addresses three complementary but overlapping areas:

- **Technology:** Leverage the power of internet of Things (IoT), Artificial Intelligence (AI) and Big Data analysis to provide powerful tools to manage physical and cyber security in cities.
- **Ethics:** Balance potentially conflicting needs to collect, transform and share large amounts of data with the imperative of ensuring protection of data privacy - all in the context of ensuring benefits to society.
- **Processes:** Define cognitive processes and deployment guidelines supporting decision making and coordination, fully aligned with the needs of multiple city stakeholders involved in security operations.



IMPETUS will detect potential threats by using AI techniques to search social media and the deep/dark web for unusual and suspicious activities, and to analyze available smart city data. Threats will be classified and assessed to determine an appropriate response using a human-in-the-loop approach to combine the strengths of AI and human judgement.

The project will build on tested technologies but enhance and combine them in a coherent and user-centered solution that goes beyond state-of-the-art in key areas such as detection, simulation & analysis and intervention.

The consortium consists of 17 partners from 11 different EU Member States and Associated Countries. It brings together 5 research institutions, 7 specialist industrial and SME companies, 3 NGOs and 2 local government authorities. The consortium will be complemented by COSSEC (Community of Safe and Secure Cities) - a group that the project will establish and foster. COSSEC will be made up of end-users and other stakeholders able to provide feedback on IMPETUS solutions as they are being developed, and to promote the IMPETUS approach more widely.



The idea of COSSEC is to extend involvement in the project to stakeholders beyond the project consortium. COSSEC members will influence IMPETUS activities so that solutions emerging from the project will meet local needs in other cities and/or meet other concerns or requirements they might have. Some COSSEC members will be early adopters of project results.

We foresee that COSSEC will continue after the end of the IMPETUS project itself, as a forum for organizations interested in using IMPETUS results, or with a wider interest in the topics addressed by the project. Membership is by invitation only - but anyone can request that they be invited. There is no membership fee.

COSSEC plans to arrange a series of face-to-face workshops, including one at each of our two partner cities, Oslo and Padova. These will give us an opportunity to meet our COSSEC members face-to-face. Discussion groups, information sessions and interactive demos will be held during the workshops. The project has a budget that can be used to contribute to travel costs to these events. Travel restrictions arising from COVID-19 are so far preventing us from arranging these events. Depending on how things evolve, we may decide to arrange virtual events instead.

Interested in joining COSSEC? Please contact Sandro Bologna, IMPETUS COSSEC manager s.bologna@infrastrutturecritiche.it

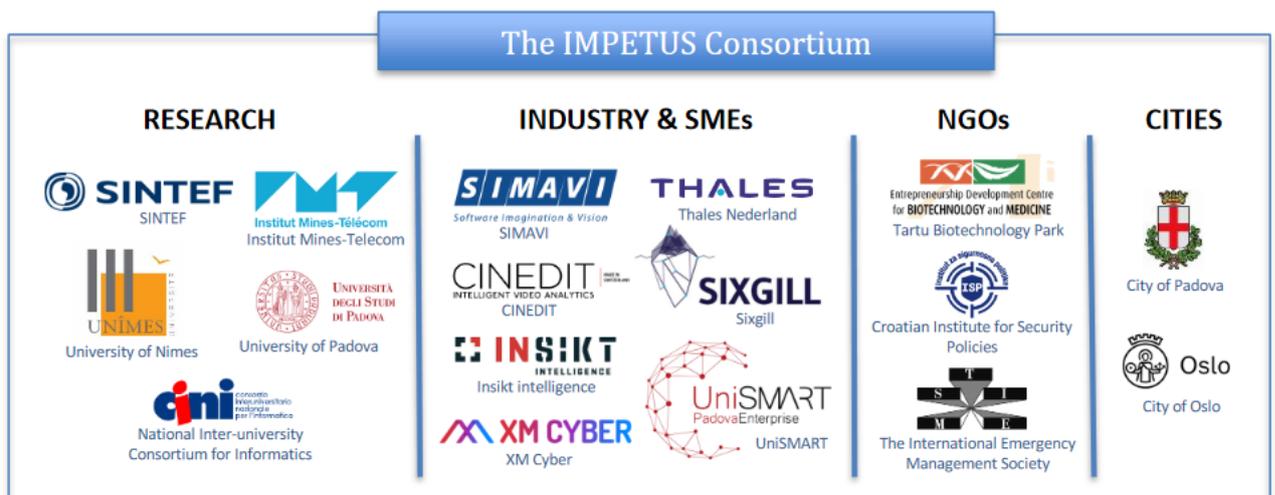
Furthermore, major on-street trials will be held in the cities of Oslo, Norway and Padova, Italy.

The IMPETUS Project Web-site is found at: <https://impetus-project.eu/>

The web-site gives an update of the progress of the project.



The project will receive financial support of 8 Mill € from the Horizon 2020 program for research and innovation of the European Commission. The project started 1st of September 2020 and will last for two and half years.



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TIEMS CHINA Chapter Annual conference 2020



On 18 September 2020, The International Emergency Management Society (TIEMS) China Chapter Annual Conference was successfully held in Shenzhen. This was held in parallel to the 3rd Chinese International Emergency Industry Conference (2020) and 2020 Emergency Rescue Equipment Industry Technology Innovation Strategic Alliance Annual Conference. More than 500 participants from the Chinese Academy of Sciences, Chinese Academy of Engineering, scientific research institutes, universities, business enterprises and institutions from the field of emergency management in China and abroad attended the conference.

The conference was hosted by the China Chapter of The International Emergency Management Society (TIEMS), the Shenzhen Institute of Disaster Prevention and Mitigation Technology, the General Institute of Emergency Research of Xinxing Jihua Group, the Strategic Alliance for Technological Innovation in the Emergency Rescue Equipment Industry, the International Union of Emergency Safety Industries, and guided by the Shenzhen Emergency Management Bureau, the Shenzhen Trade Promotion Commission, the Shenzhen Municipal Bureau of Industry and Informatization, the Shenzhen Health and Health Commission, the Shenzhen Science and Technology Association, and





the Natural Disaster Engineering Emergency Rescue Center of the Emergency Management Department.

With the theme of "Innovating Science and Technology Security and Promoting the Development of the Bay Area Together", the conference invited experts and scholars in the field of emergency management, such as the expert committee of the National Disaster Reduction Commission, the Chinese Academy of Engineering, the Chinese Academy of Sciences, the China Chapter of The International Emergency Management Society (TIEMS) and scientific research institutes of colleges and universities, and invited experts, scholars, government departments and industry representatives from both China and abroad in the field of emergency management and emergency industry to attend the conference.



The Chairman of the Expert Group on Emergency Management under the State Council, the Deputy Director of the Expert Committee of the State Disaster Reduction Commission, and the president of China Chapter of TIEMS

The leaders of the Shenzhen Emergency Management Bureau welcomed the speech by the head of the emergency management expert group of the State Council, the vice chairman of the expert committee of the National Disaster Reduction Commission and the president of China Chapter of The International Emergency Management Society (TIEMS), Mr. Shan Chunchang, who gave a speech on several reflections on the improvement of the national emergency



Pan Longbin, former Director of General Duty Office, Director of Emergency Command, Vice President of Shenzhen Institute of Disaster Prevention and Mitigation Technology and Executive Chairman of China (Shenzhen)



Fan Weicheng, Academician of the Chinese Academy of Engineering and Dean of the Institute of Public Safety of Tsinghua University

management system. Fan Weicheng, academician of the Chinese Academy of Engineering and dean of the Institute of Public Safety of Tsinghua University, gave a speech entitled "A little reflection on enhancing public safety and security". Academician Li Deren, academician Zheng Jingchen, famous expert in emergency



field Liu Tiemin, Gui Weimin, Gao Mengtan, Bian Huimin, Qu Guosheng, and Zhang Qiang, etc. Qu Guosheng, and Zhang Qiang, etc.

The conference also organized an exhibition on emergency products, inviting more than 600 well-known enterprises and institutions to focus on the display of emergency materials and equipment in the fields of fire-fighting, communications, unmanned rescue, public epidemic prevention, police equipment, natural disasters, urban safety, popular science education, and so on, with an area of about 15000 square meters.



Gao Mengtan, former Deputy Director of Geophysical Research Institute of China Earthquake Administration (CEA)



Zheng Jingchen, Academician of the Chinese Academy of Sciences



Li Deren, Professor, Wuhan University, Academician, Chinese Academy of Sciences



Bian Huimin, Secretary of Party Committee of Xihua University and Director of Expert Committee of Sichuan Disaster Reduction Committee



Liu Tiemin, Director of Science and Technology Committee, China Institute of Safety in Production, Research Fellow, Vice president of China Chapter of The International Emergency Management Society (TIEMS)



Xiu Jigang, former Deputy Director of China Seismological Bureau and Chairman of China (Shenzhen) International Emergency Industry Exposition



Qu Guosheng, Director of Science and Technology, Research Fellow, National Earthquake Response Support Service (NERSS), Ministry of Emergency Management, and Vice-President of International Emergency Management Society (TIEMS)



Gui Weimin, Vice president of China Chapter of The International Emergency Management Society (TIEMS), Chairman of the Group of Experts on Emergency Management of Shaanxi Provincial Government, Director of the Institute of Emergency Management of Northwest Polytechnic University



Zhang Qiang, Vice president of China Chapter of The International Emergency Management Society (TIEMS), Director of the Research Center for Risk Management Innovation of Beijing Normal University and General Advisor of the China (Shenzhen) International Emergency Industry Exposition

Emergency Expo

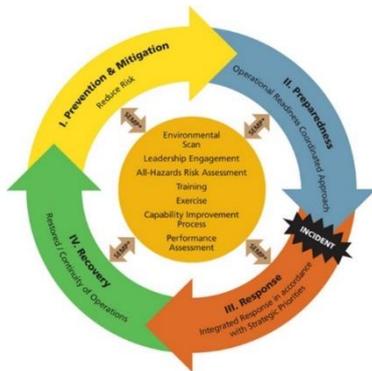


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TIEMS & CBI Webinars 2021

International Models of Emergency Management

Building upon the International Crisis and Emergency Management Series from 2020, Capacity Building International (CBI) has partnered with TIEMS to launch a webinar series in 2021.



Throughout 2021, we have arranged a recurring monthly series of webinars that will highlight, compare, and contrast various European/International/National domestic emergency management models. Guests present their different models, approaches, and systems used in emergency management. This webinar series has been an excellent opportunity to hear from experts in different countries around the world.

We started with an introduction of the program for 2021 on the 4th of February, and all the videos of the webinars will be uploaded to the following link: [TIEMS & CBI Webinar 2021 Videos](#)

Participation has been amazing and by July 2021 there have been participation from more than 64 countries and more than 1,200 participants have joined in the event series. Thank you to everyone who has helped us grow this service.

The different presentations and the future program can be found on the following link: <https://www.tiems.info/index.php/tiems-cbi-webinars-2021>

Behind this initiative and joining TIEMS in these Webinars are Kyle King from CBI ([Capacity Building International](#)), and his brief bio is found below.



Founder and Managing Director of Capacity Building International. Kyle King has spent 28 years in the emergency services and international security field with 8 of those years being with NATO. Certified in the US Department of Defense as a Chief Fire Officer, he helped design and build the first international DoD Fire and Emergency Services Certification Program for international students, and also served as the first Civil Emergency Advisor to support NATO Operations. Among his other accomplishments he worked to contribute to the development of

NATO's Security Force Assistance program and wrote NATO's capacity building education and training program for Kosovo. Locations where he has worked in missions includes Bosnia, Afghanistan, Kosovo, and Ukraine. Mr. King holds a Masters in Diplomacy and Terrorism Studies as BS/BA in Public Administration as well as numerous certifications from US Department of Defense, NATO, and other institutions. Currently Mr. King is focused on supporting the Institute for Security Governance and international programs as well as being seconded to the Organization for Security Cooperation in Europe (OSCE).



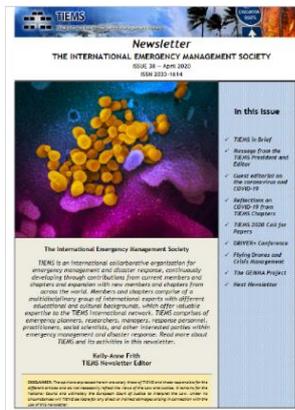
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TIEMS Newsletters 2020 - 2021

TIEMS issued five newsletters in the period 2020 to mid 2021, three regular newsletters and two special issue newsletters:

(Click on the pictures and get access to the full newsletter)

Regular Newsletter issue 38, April 2020



The main focus in this newsletter was the COVID19 pandemic, with contributions from the different TIEMS worldwide chapters describing the situation and remedy actions taken in their countries/regions. Contributions came from South Africa, Canada, Croatia, Belgium, Luxembourg, Netherlands, Italy, South Korea, Philippines, USA, Australia, Ukraine, Pakistan, North Cyprus, China, Thailand and Norway. Furthermore, there were articles about the DRIVER+ Final Conference, Flying Drones and Crisis Management and the GEMMA Project.

Regular Newsletter, issue 39, August 2020



The main focus in this newsletter was an introduction of TIEMS French Chapter who was the host for the upcoming 2020 annual conference. It was decided to make this conference virtual because of the Covid109 situation, and the newsletter therefore contained the Call for Papers and Posters for the TIEMS 2020 Virtual Annual Conference. Furthermore, the newsletter also contained a press release of the EU project Impetus, which was just granted financial support from EU, and where TIEMS is one of the partners. The newsletter also contained an article of AI and Emergency Management, and an update of the progress with TIEMS International Certification - TQC, which was just finalized and introduced in the market. There was also an update of the Coronavirus situation, and

introduction of TIEMS LinkedIn page.



Regular Newsletter, issue 40, June 2021



TIEMS editor introduced a new format for TIEMS newsletter in this edition. The main focus of this newsletter was the Call for Papers and Posters for TIEMS 2021 Annual Conference to be held in December 2021 in Paris, France, with the main topic: “New Emergency Management in a Resilience Era Facing Health, Climate and Energy Challenges”. The history and development of TIEMS International Certification - TQC was described, and the TQAC (TIEMS Qualification Associate Certification) was introduced for those who have proper education in emergency management but lacks the necessary experience. There were reports from TIEMS 2020 Annual Conference in Seoul, and TIEMS China Chapter 2020 Annual Conference. There was an update on progress with the Impetus project, two interesting articles and a progress report on TIEMS - CBI Webinar series.

Special Issue Newsletter no 10, January 2020



This special issue newsletter reported from TIEMS 2019 Annual Conference in Seoul, Korea, with presentation of conference papers, pictures and abstracts. The conference was attended by more than 100 experts from 15 countries. It had a comprehensive program comprised of important presentations of papers on international emergency management issues, workshops addressing details of selected different topics, and a guided tour in Seoul, visiting the safety control centre at Lotte Tower and Songpa Safety experience Education Center. The technical program was blended with social events displaying the best of Korean culture. I am sure all participants left with a good impression of both Korea and TIEMS.

Special Issue Newsletter, no 11, February 2021



This special issue newsletter was a tribute to those behind the development of TIEMS International Certification - TQC, and the test candidates being willing to test out the TQC certification and give valuable feed-back to TIEMS, which then could tune the TQC into a usable and valuable international certification system for the experts in the international emergency management community. All individuals were presented with picture and a brief bio, and they were all asked to express their view of the TIEMS International Certification - TQC. Those who serve on the different TQC Certification Boards were likewise presented with picture and brief bio and asked to give their opinion on TQC as well.



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TIEMS 2020 - 2021 Administration

TIEMS Memberships

We welcome new TIEMS member, and please, look at the [TIEMS Member Benefits!](#) Details of types and fees of membership are listed below:

1. Standard Member - One Year Membership: **95 €** ^{*)}
2. Standard Member Transition Economy Country - One Year Membership: **35 €** ^{*)}
3. Professional Certified Member - One Year Membership: **125 €** ^{*)}
4. Student Member - One Year Membership: **25 €** ^{*)}
5. Institutional Member - One Year Membership: **310 €** ^{*)}

^{*)} Includes 21 % Belgium VAT

Membership descriptions and rights are found in [TIEMS By-laws](#)

[Please, click here and select type of membership!](#)

Donations

TIEMS is a voluntary organization where all Directors, Officers and Members work voluntary for the organization.

Donations are therefore welcome for contributing to further development and reaching TIEMS goal of a Safer World.

1. Platinum Donation Any Time: **500 €**
2. Gold Donation Any Time: **100 €**
3. Silver Donation Any Time: **50 €**
4. Bronze Donation Any Time: **25 €**
5. Amount of Your own Preference

[Please, click here and select a donation of preference!](#)

TIEMS Secretariat in Brussels

The TIEMS Secretariat in Brussels, Belgium started its operation for TIEMS 1st November 2010. Most administrative TIEMS activities have been transferred to the Secretariat so the board members can concentrate on the long-term planning of the development of TIEMS. The Secretariat office can be found at the following address and phone, fax and e-mails:

TIEMS Secretariat
Rue Des Deux Eglises 39, 1000 Brussels, Belgium
Phone: +32 2286 8038, Fax: +32 2286 8039
E-mails: secretariat@tiems.info



TIEMS Financial Situation

Accomplishing TIEMS’s mission on a limited budget is a continuous challenge, as with many other non-profit and international NGO’s. However, volunteers working for TIEMS around the world in TIEMS chapters, recruiting members and sponsors and arranging events, have made it possible to arrange many events around the world. Having professional administration and legal advice at a permanent registered address for TIEMS has proven worthwhile and beneficial. The annual cost of TIEMS Secretariat is the primary regular budget item for the society.

TIEMS participation in RTD projects has had a good impact on TIEMS financial situation, as well as being a benefit for its members. Members can apply for being on TIEMS team in paid RTD projects where TIEMS participates, given that they fulfill the projects qualifications requirements.

TIEMS Members, Officers, Directors and Chapters,

Of course, the main assets of TIEMS are its members, officers, directors, and TIEMS Chapter board members (See [TIGE](#)). They contribute their expertise and volunteer their time to develop and promote the society worldwide, and they carry out activities on behalf of TIEMS. Members of TIEMS Board of Directors are elected at the Annual General Meeting (AGM), which takes place at the TIEMS Annual Conference every year. The delegates to the AGM are TIEMS members, and they elect TIEMS Directors, and vote on decisions proposed by TIEMS Board.

The Chapters elect their own Boards, and when the TIEMS Board of Directors wants to focus on a special task, a TIEMS Officer is appointed by the TIEMS Board to lead this task and report to the Board. The officers are members of TIEMS Advisory Board.

I would like to thank them all for the work they do, and their dedication and loyalty to TIEMS and its mission. Without them and their efforts, TIEMS could not exist. The TIEMS Board of Directors and TIEMS Advisory Board Members during 2021 are shown below.

TIEMS 2021 Board of Directors

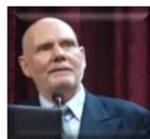
										
					<i>K. Harald Drager</i> President (Norway)					
										
		<i>Snjezana Knezic</i> <i>Acting Vice President</i> (Croatia)	<i>Jack (Ji) Zhang</i> Treasurer (China)	<i>Jaroslav Pejcoch</i> Secretary & Chair of Advisory Board (Czech Republic)	<i>Gregory Swick</i> Director Membership & Chapters (USA)	<i>Snjezana Knezic</i> Director of RDT Activity (Croatia)				
Regional Directors										
	<i>Jean-Paul Monet</i> Europe (France)	<i>Thomas Robertson</i> North America (USA)	<i>Roman Tandlich</i> Africa (South Africa)	<i>Desiree Beekharry</i> Australia & New Zealand & Oceania (Australia)	<i>Ramji "Mel" Cabodil</i> Asia (Philippines)	<i>Vacant</i> Latin America & Caribbean (LAC) (Country)				

TIEMS 2021 Officers

				
<i>Meen Chhetri</i> Chair Paper Review Committee (Nepal)	<i>Kelly – Anne Frith</i> Regular Newsletter Editor (South Africa)	<i>Alex Fullick</i> Special Edition Newsletter Editor (Canada)	<i>Wenjong Yang</i> TIEMS Asia Secretariat Officer (China)	<i>Sandro Bologna</i> Chair of International Program Committee (Italy)
				
<i>Yukio Fujinawa</i> Chair of Disaster Early Warning Task Force Group (Japan)	<i>Chen An</i> TIEMS Emergency Medicine Committee (TEMC) Director (China)	<i>Christian Sommade</i> TIEMS 2021 Annual Conference Host (France)		

TIEMS Future Plans

TIEMS progress is in line with the AGM’s expectations, expressed in TIEMS 2020 AGM. Our international success sends a message to TIEMS members and the international emergency management community that TIEMS has a promising future, in which all with interest in emergency and disaster management can participate. They can work together towards the TIEMS goal of contributing to more resilient societies worldwide.



Oslo 10th August 2021
K. Harald Drager
TIEMS President



TIEMS President 2021 Annual Report



**A Brief Introduction to
TIEMS International Certifications – TQC™ & TQAC™**
Version 08.06.2021

TQC™ = TIEMS Qualification Certification
TQAC™ = TIEMS Qualification Associate Certification

"in International Emergency and Disaster Management"

<https://www.tiems.info/index.php/education/overview>



I. Prevention & Mitigation
Reduce Risk

II. Preparedness
Operational Management, Continuous Improvement

III. Response
Integrated response in accordance with Strategic Priorities

IV. Recovery
Recover/Community of Operators

Environmental Scan
Leadership Engagement
All-Hazards Risk Assessment
Training
Exercise
Capability Improvement
Process
Performance Assessment

RECURRING MONTHLY WEBINARS
EMERGENCY MANAGEMENT MODELS
EXPERTS AROUND THE WORLD



IMPETUS

Processes

Ethics

Technologies

European Union Flag