
국제 화재기술 교류 세미나 2022

International Fire Safety Technology Exchange Seminar 2022

2022. 07. 07.

주최 : 주식회사 페스텍 / (사)한국화재감식학회

후원: 중소조선연구원



주식회사 페스텍
FESTEC International Co., Ltd.
Fire Engineering & Science Technology



중소조선연구원
Research Institute of Medium & Small Shipbuilding

국제 화재기술 교류 세미나 2022 개최 계획

국제 화재 안전 기술의 민간시장 교류 및 확대를 목적으로 국제 화재안전기술에 대하여 「국제 화재기술 교류 세미나 2022」 개최

I 기본방향

- ◎ 국제 화재 기술에 대하여 정보 교류 세미나 개최.
; **Fire Evacuation and Human Behavior**
- ◎ Global Fire Simulator 기술에 대한 정보 공유
; **Introduction to Hot Fire Simulators**

II 행사개요

- ◎ 세미나명: 국제 화재기술 교류 세미나
- ◎ 일시 : 2022년 07월 07일 (목) 13:00 ~ 17:00
- ◎ 장소 : 안산 중소벤처기업연수원
- ◎ 주관 : 주식회사 페스텍
- ◎ 후원 : 중소조선연구원
- ◎ 참석인원 : 100여명
- ◎ 참석문의 : 주식회사 페스텍

담당자: 석명길 이사

연락처: 010-3539-1085, gilsuk@festec.co.kr

- ◎ 현장등록
※ 참석자 전원 기념품 및 환영만찬(석식) 제공

III 행사 세부내용

- ◎ 개회사 및 축사 : 주식회사 페스텍 외
(대표이사/공학박사 류상훈)
- ◎ NUS, National University of Singapore
(Dr. Ivan, SIN Siang-Meng)
- ◎ Hexcel Solutions Pte Ltd in Singapore
(CEO, Mr. Tan, Simon)

IV 세부일정

| 시간 | | 내용 | 비고 |
|---------------|------|-----------------|--------|
| ~ 13:00 | | 참가자 등록 및 행사장 입실 | |
| 13:00 ~ 13:10 | 10 분 | 행사안내 및 개회 | FESTEC |
| 13:10 ~ 13:20 | 10 분 | 개회사 | FESTEC |
| 13:20 ~ 13:30 | 10 분 | 축사 | FISK |
| 13:30 ~ 13:40 | 10 분 | 축사 | KRRI |
| 13:40 ~ 13:50 | 10 분 | 귀빈 소개 및 강사 소개 | FESTEC |
| 13:50 ~ 15:20 | 90 분 | Dr. Ivan 세미나 발표 | NUS |
| 15:20 ~ 15:40 | 20 분 | Q&A | |
| 15:40 ~ 15:50 | 10 분 | 휴식 | |
| 15:50 ~ 16:30 | 50 분 | Mr. Tan 세미나 발표 | Hexcel |
| 16:30 ~ 16:50 | 20 분 | Q&A | |
| 16:50 ~ 17:00 | 10 분 | 폐회선언 | |
| 17:00 ~ 17:10 | 10 분 | 기념촬영 및 식사장소 이동 | |

Sin Siang-Meng, Ivan 沈祥明博士

PhD, MBA, MSc, FIFireE, AFIChemE, MIES, MBCI, CFSS, CERA, CFEI
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Program Chair for Master of Science in
Safety, Health & Environmental Technology
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**TOPIC: Fire Evacuation and Human Behavior:
Are You Evacuating or Just Running Away?**

SPEAKER BIO:

About yourself (Brief summary of your education, work history, and experience relevant to your speaking topic):

As a certified and experienced emergency operation commander, crisis-emergency planner, fire-explosion Investigator, business continuity practitioner; Ivan comes with more than 28 years of experience with the Singapore Civil Defence Force (SCDF) and the Monetary Authority of Singapore (MAS). His area of focus is in infrastructural & operational risks, workplace safety & health, fire-safety & fire protection, crisis & emergency capacity building, emergency preparedness & response capability development, premises & disaster scene security, fire-rescue & hazardous materials mitigations, incident investigations, business continuity & disaster recovery. Ivan is currently an associate professor with the Department of Chemical & Biomolecular Engineering. He is the program chair for the Master of Science Degree Program in Safety, Health & Environmental Technology.

About your topic:

At home, workplace, or even at play, every location has its unique settings, dynamics, funs, and hazards. Whatever you are doing, ALL of us want to be able to go home to our loved ones safe and alive. When we read about people getting burn, or injured by fire...we always think they could be more careful. But do you even take personal interest to know how? This session will share a quick glimpse of the facts and myths of human behavior in fire evacuation and how we can be better prepared for our own safety.



Hot Fire Training Solutions

Simon Tan
Hexcel Solutions Pte Ltd

Key Client

- Opened in 1999
- Size of 11 hectares
- Train about 123 Countries student
- Train 26K students per year

Singapore Civil Defence Academy



Core Activities:
HEXCEL

- Fire Simulators
- Fire Fighting and Rescue Training
- Consultancy

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the RealSAFE™ solutions


Major Industries:
Fire Training Solutions...

- Civil Defense
- Aviation Fire
- Petrochemical
- Maritime
- Industries



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Civil Defence Industries
the Internal Simulators...



17 Simulations


KTV Fire

Chemical Storage Fire & Explosion Simulator

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Civil Defence Industries
the External Simulators...



Petrochemical

Tanker Fire

Ship

Pipe Rack

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Civil Defence Industries
the UAE Abu Dhabi Police...



Car Fire

Kitchen Fire


Compartment Fire

BAPT Training

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Civil Defence Industries
the mobile fire trainers...



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the RealSAFE™ solutions

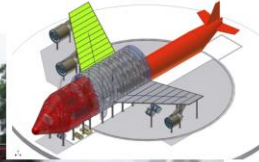
Aviation Industries

the Singapore Changi Airport...



International Aviation Fire Protection Association (IAFPA) Event - 18 Oct 2007

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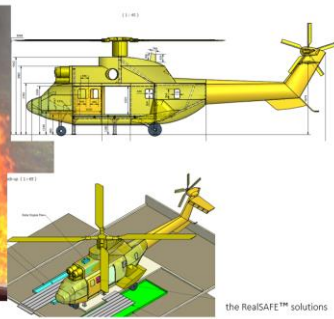
Aviation Industries

the Singapore Changi Airport...



Superpuma Helicopter Fire Simulator

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Petrochemical Industries

the Singapore Aviation Academy...



Spill Fire



Pressurised Tank Fire



Oil & Gas



Oil Tank Fire

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Maritime Industries

the Shipboard Fire Simulator...



Container Based Solutions

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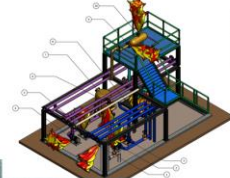
- 14 Simulations
- 25 fire points



the RealSAFE™ solutions

the Industrial

the Oil & Gas Training Facilities...



Scenario Fire Fighting



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the RealSAFE™ solutions

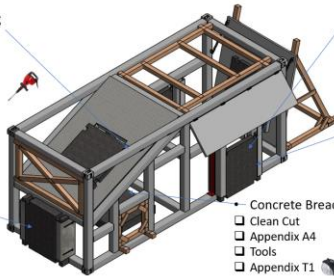
USAR

the container based...



Concrete Breaching

- Concrete Breaching
 - Overhead
 - Appendix A1
 - Tools
 - Appendix T1
- Concrete Breaching
 - Lateral
 - Appendix A2
 - Tools
 - Appendix T1
- Concrete Breaching
 - Clean Cut
 - Appendix A4
 - Tools
 - Appendix T1



- Concrete Breaching
 - Lateral
 - Appendix A2
 - Tools
 - Appendix T1
- Concrete Breaching
 - Dirty Breach
 - Appendix A3
 - Tools
 - Appendix T1

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the RealSAFE™ solutions

Our Products

the Breathing Apparatus & Physical Trainer...



Endless Ladder Station

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Impact



Bicycle



Donning



Maze Cage - Patented

the RealSAFE™ solutions

the RealSAFE™ solutions

the RealSAFE™ solutions

Thank You !

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 hexcel1010 (wechat)

VI

찾아오시는 길

① 세미나 장소



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② 환영 만찬(석식)장소



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