

# International Seminar:

## Healthcare Resilience to Major Disasters: Learning from the Past to Design a Better Future

### Overview

The recent parliament attack in London re-highlighted the importance of major emergency planning. The event comes at a time when healthcare services continue to face major challenges related to limited resources and increasing demands, which stretch their ability to breaking point. This international seminar aims to discuss challenges from a medical, engineering and global policy point of view. It will help the audience understanding the complexity of healthcare in day to day and in major emergencies times to guide research and practice developing more integrated and resilient operational approaches.

Bringing together international speakers from multi-disciplinary backgrounds to share their recent research and lessons learnt with colleagues from medicine, engineering, management, policy makers and others. Issues such as the resilience of critical infrastructure and lifeline, crowding and large service demand, and planning to major emergencies will be thoroughly discussed and linked to the challenges that the NHS and other related agencies are currently going through.

This unique event is free to attend and designed to represent the complexity of healthcare and thus will provide information for healthcare professionals, major emergency planners, policy makers and engineers. No matter what your background is, you'll have the opportunity to ask questions to our international speakers and gain knowledge from their experience to resolve your own problem.

### Agenda

**14:00 – 14:10:** Welcome and introduction by Professor James Hampton-Till and Dr Nebil Achour

**14:10 – 14:35:** “Effects of Earthquake Damage on Performance of Hospitals” by Professor Masakatsu Miyajima.

**14:35 – 15:00:** “How Sendai Framework Links Health Care Resilience to Major Hazards” by Professor Virginia Murray.

**15:00 – 15:25:** “What is the Health Impact Caused by a Nuclear Accident? It is not Radiation that Really Matters” by Dr Sae Ochi.

**15:25 – 15:50:** “The Evolution of Hospital Disaster Preparedness in Turkey” by Dr Kurtulus Aciksari.

**15:50 – 16:00:** Close – Dr Nebil Achour

**Date:** 5 May 2017 from 14:00 to 16:00.

**Venue:** Postgraduate Medical Institute Building  
PMI004 Chelmsford Campus, Anglia Ruskin  
University. Bishop Hall Ln, Chelmsford CM1 1SQ.  
[http://web.anglia.ac.uk/estates/propertyterrier/map/map\\_chelmsford.php](http://web.anglia.ac.uk/estates/propertyterrier/map/map_chelmsford.php)

For any queries and/or registration, please let the Organiser know.

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# Biographies

## Professor Masakatsu Miyajima



Professor of Earthquake Engineering at Kanazawa University, Director of the Earthquake Laboratory and Disaster Mitigation (Kanazawa University), President of the International Consortium on Geo-Disaster Reduction, and Vice President, International Society of Lifeline and Infrastructure Earthquake Engineering. He has 35 years

of experience in the experimental analysis of critical lifeline infrastructure subjected to earthquakes, and has been involved in major developments in the theory of seismic analysis and experiments on damaged mechanisms of buried pipelines.

## Dr Sae Ochi



Principal of Clinical Research and Trials at Japan Agency for Medical Research and Development (AMED) and Adjunct MD at the Department of Internal Medicine of Soma Central Hospital in Fukushima (Japan). Director of Internal Medicine at Soma Central Hospital (2013-2017). Dr Ochi is an active researcher with

over 35 articles covering various topics from hospital resilience to nuclear risks on health. She was a Clinical Research Fellow at Imperial College London (2012-2015), and a Visitor at Public Health England. She was also a member of the WHO Hospital Safety Index revision.

## Dr Kurtulus Aciksari



Dr Aciksari is an Emergency Medicine Physician and Assistant Professor at the Istanbul Medeniyet University. He is responsible for the structural and development of the new Medeniyet University Goztepe Research and Training Hospital Emergency

Department, and for the emergency medicine residents training programme, dissertation and research projects in emergency departments. Dr Aciksari has a strong professional and research track record where he worked in various healthcare authorities and conducted research following the Marmara 1999 and Van 2011 earthquakes.

## Professor Virginia Murray



Consultant in Global Disaster Risk Reduction; Vice-chair UNISDR Scientific and Technical Advisory Group (STAG), and Member of IRDR scientific committee. Over 40 years of experience in hazards and risk reduction. She was Director of the Chemical Incident Response

Service from 1995, Head of HPA's Extreme Events and Health Protection section. Coordinator and Lead Author for the Intergovernmental Panel on Climate Change Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation. UK Government member on the UN ISDR Scientific and Technical Advisory Group since 2008 and she is also a member of the HFA Mid Term Review Advisory Group, representing science, for the UNISDR.

## Dr Nebil Achour (The Organiser)



Senior Lecturer in Healthcare Management with 16-year experience in healthcare resilience to major hazards. He gained his PhD from Kanazawa University (Japan) in Earthquake Disaster Mitigation Engineering in 2007. He was awarded three international prizes in 2010, 2015 and 2016. He published

over 50 scientific publications covering issues related to the infrastructure, management and planning of healthcare resilience. He was a member of several international investigation teams to Algeria, Iran, Japan and Turkey and has developed strong relationships with Australia, Japan, Indonesia and Turkey. He is a WHO Advisor and a member of the Global Expert Consultation on Revision of the Hospital Safety Index.