



8th Singapore International Symposium on Protection Against Toxic Substances

21-23 March 2017

Marina Bay Sands

www.sispat.sg

Organised by:



8TH SISPAT

SINGAPORE INTERNATIONAL SYMPOSIUM
ON PROTECTION AGAINST TOXIC SUBSTANCES

The 8th Singapore International Symposium for Protection Against Toxic Substances (SISPAT) is a technical forum that aims to share the latest knowledge and technology with regards to defence against unconventional threats amongst scientists and operations managers (military and public health) from the academia, government and other relevant industries. Asymmetrical threats posed by the use of unconventional agents transcend international boundaries and is constantly evolving to circumvent existing defence measures. Henceforth, defence measures against CBRN threats must leverage on bilateral and multi-lateral cooperation to remain effective. The theme for the 8th SISPAT, “Staying One Step Ahead of Evolving CBRNe Threats Through International Cooperation”, reinforces the importance of continuing this tradition of information sharing, scientific exchange and close-knit interactions between international communities to counter such asymmetric threats.

The Symposium will be held in conjunction with the 24th edition of NCT CBRNe Asia and the 25th edition of NCT eXplosive Asia.

Symposium Topics

a. Chemical, Biological (including Toxins), Radiological and Nuclear (CBRN) Threat Prediction and Analysis

- i. CBRN Terrorism – Past, Current and Future
- ii. Emerging Technologies – Threats and Opportunities
- iii. Hybrid Warfare – Role Of Unconventional Threats

b. CBRN Hazard Modelling and Simulation

- i. Dispersion Modelling And Characterisation of Dispersion Processes in Urban Environment
- ii. Infectious Disease Modelling and Prediction

c. CBRN Verification and Forensics

- i. Advanced Analytical Techniques for Unambiguous Identification of Agents in Environmental and Clinical Samples
- ii. CBRN Forensics - Threat Attribution
- iii. Verification Case Studies (Traditional and Non-Traditional Threats)

d. CBRN Protection, Decontamination and Remediation

- i. Emerging Concepts and Technologies for Chem-Bio Self-Decontaminating Materials
- ii. Challenges in Development and Testing of Personal Protective Equipment
- Need For New and/or Revised Test Standards
- iii. Case Studies and Research on Large Scale CBRN Cleanup Efforts

e. CBRN Diagnostic and Surveillance

- i. Recent Advances In Technologies For Triage in CBRN Events
- ii. Innovative Diagnostic Technologies for CBRN Threats
- iii. Infectious Disease Surveillance in the Military

f. CBRN Biologics-Based Therapeutics

- i. Advances in Recombinant Enzymes
- ii. Advances in Recombinant Antibodies
- iii. Advances in Phage Therapy



Registration

Registration is open to all professionals interested in CBRNe defence and security. Online registration is available at www.sispat.sg under the following registration segments.

a. Singapore Government pass **\$115 SGD**

Full access to all three conferences: SISPAT, CBRNe Asia and eXplosive Asia. This pass is only available for government employees from Singapore. The deposit of \$115 SGD is returned if the registered delegate attends the event. In case of a no-show, the deposit is not refunded.

b. Government Delegates pass **€699**

Full access to all three conferences: SISPAT, CBRNe Asia and eXplosive Asia. This pass is only available for government employees.

c. Delegates pass **€1,199**

Full access to all three conferences: SISPAT, CBRNe Asia and eXplosive Asia. The Delegate Pass is meant for all professionals working in any company or organisation outside governmental service.

Call for Papers

Presentations that fall within the general objectives of the Symposium outline above are invited. Platform presenters and poster presenters are required to submit an abstract typed in English, no later than **15 November 2016**.

The following instructions will assist you in preparing your poster and/or platform presentation abstract.

- Metric units must be used.
- Body of abstract: A maximum of five keywords should be inserted before the first paragraph. Tables and figures may be attached as an image file during submission.
- All abstracts must be submitted via <https://www.judgify.me/SISPAT>, and must adhere to the fields and instructions stated there.

The Scientific Committee of the Symposium will review all contributions and make the final decision on the selection and placement of papers. Presenters whose abstracts are accepted will be notified no later than 31 December 2016.

Important Dates

15th November 2016	Deadline for Abstract Submission
31st December 2016	Notification of Abstract Acceptance
15th January 2017	Distribution of Final Circular
21st to 23rd March 2017	8th SISPAT Held in conjunction with the 24th edition of NCT CBRNe Asia and 25th edition of NCT eXplosive Asia.

Symposium Organiser

DSO National Laboratories

DSO National Laboratories (DSO) is Singapore's national defence research and development organisation. It undertakes indigenous development of advanced defence and weapon systems that provide the Singapore Armed Forces (SAF) with the technological edge in the battlefield. While its primary focus is to support the SAF, DSO also extends her defence R&D capabilities to support homeland security.

With more than 1,200 research scientists and engineers, DSO researches into emerging technologies, matures promising ones and integrates them into innovative system concepts to meet Singapore's defence and security needs.

Visit us at <http://www.dso.org.sg>

Address: DSO National Laboratories, 20 Science Park Drive, Singapore 118230

Symposium Partner

IB Consultancy

IB Consultancy is an independent defence and security company dedicated to making this world a safer and more secure place. To achieve this, the company provides rapid, innovative defence and security services to government, trade and industry. Her services are always fully tailored to meet customer requirements to help the customer reach their objectives. The company connects business, governments and NGOs from different continents in a common goal to make this world a safer and more secure place. Their services include:

- Defence and Security Research
- Organisation of worldwide Defence and Security events
- Business Consultancy and Public Affairs
- Threat Assessment Report