

ICMS 2008

The International Crisis Management Symposium
on CBRN and Emerging Infectious Diseases

September 13th - 16th, 2008

Chiba Institute of Science (Choshi, Japan)

Programs

(Digital Version)

Organizing Committee of CIS Symposium 2008

Address: c/o Chiba Institute of Science
15-8 Shiomi-cho, Choshi, Chiba 288-0025, Japan

E-mail: sympo@cis.ac.jp

Homepage: <http://www.cis.ac.jp/~sympo/>

12:45 pm – 1:45 pm	Poster Session 1	Welfare Building
1:15 pm – 2:15 pm	Poster Session 2	Welfare Building
2:00 pm – 5:45 pm	Session “Bio-Material & Chemical Emerging Disasters”	Site 2
2:30 pm – 5:30 pm	Session “High-Risk Infectious Diseases”	Site 1

Monday, September 15th

8:30 am – 4:00 pm	Registration	Reception Desk
9:00 am – 9:30 am	Special Lecture	Site 1
9:45 am – 4:30 pm	Poster Area Open for Viewing	Welfare Building
9:45 am – 4:30 pm	Exhibits Open	Welfare Building
9:45 am – 12:45 pm	Session “Medical Malpractice”	Site 1
9:45 am – 12:45 pm	Session “Environmental Pollution”	Site 2
12:45 pm – 2:30 pm	Lunch Time and Event	Welfare Building
2:30 pm – 4:45 pm	Special Lectures	Site 1
6:30 pm – 8:30 pm	Banquet	Inubosaki Keisei Hotel

Tuesday, September 16th

8:30 am – 11:00 am	Registration	Reception Desk
9:30 am – 12:15 pm	Session “Fire and Explosion”	Site 1
9:30 am – 12:05 pm	Session “Food Safety”	Site 2
12:20 pm – 12:40 pm	Closing Ceremony	Site 1

General Information

Registration and Information

Registration will be held in the Symposium Reception Desk, Chiba Institute of Science beginning Saturday, September 13th, during the following hours:

Saturday, September 13 th	12:00 pm – 6:30 pm
Sunday, September 14 th	8:30 am – 5:00 pm
Monday, September 15 th	8:30 am – 4:00 pm
Tuesday, September 16 th	8:30 am – 11:00 am

On-Site Fees

Regular Participants	JPY 20,000 *
Student	JPY 5,000 *
Company	JPY 100,000 * (Max 10 people)
Banquet Ticket	JPY 5,000

* Does not include banquet ticket.

Scientific Sessions

All scientific sessions will be held in Chiba Institute of Science. The presentations will begin on Sunday morning, September 14th at 9:45 AM and will end on Tuesday, September 16th at 12:15 PM.

Poster Sessions

A number of scientific posters will be presented in two poster sessions to be held in Welfare Building at Chiba Institute of Science.

Setup	(Saturday, September 13 th Sunday, September 14 th	1:30 pm – 6:00 pm 8:30 am – 9:45 am
Available for Viewing	(Sunday, September 14 th ~ Monday, September 15 th	1:30 pm 4:00 pm
Remove	Monday, September 15 ^h	4:00 pm – 5:30 pm
Disucussion		
Session 1	Sunday, September 14 th	12:45 pm – 1:45 pm
Session 2	Sunday, September 14 th	1:15 pm – 2:15 pm

Program / Abstract Book

Each Symposium registrant (early and regular registration) will receive one copy of the Program / Abstract Book. Additional copies may be purchased at the Reception Desk for 1000JPY per Book, while supplies last.

Name Badges

Symposium registrants are required to wear their Symposium name badge at the time. The name badge is required for admission to all scientific sessions, exhibits and social functions.

Meal Functions

The Saturday evening Welcome Reception, lunch, and coffee breaks are included in all registration fees. In order to attend the banquet (Monday evening), tickets must be purchased by 10:00 AM Sunday, September 14th.

Welcome Reception

All participants and accompanying guests are invited to the Symposium Welcome Reception on Saturday evening, September 13th. The Reception will be held in the Café Marina at Chiba Institute of Science, and will include beer, alcohols, soft drinks, foods, and desserts.

Banquet

The Symposium Banquet will be held on Monday evening, September 15th at the Inubosaki Keisei Hotel. To join the Symposium Banquet, there are shuttle bus from Symposium site to the Hotel. In order to attend the banquet (Monday evening), tickets must be purchased by 10:00 AM Sunday, September 14th.

Transportation

There are two ways to visit Choshi: 1) Access from Tokyo Station; 2) Access from Narita (Tokyo International Airport). Details are described in the Symposium website. Please contact us for questions on transportation (E-mail: sympo@cis.ac.jp).

Emergency Medical Services

In case of medical emergency, please contact the Symposium Reception Desk or the staff of the Organizing Committee.

Important Telephone

Symposium Secretariats

Masahiro MORI	0479-30-4676	mmori@cis.ac.jp
Hiroyasu OHTAKA	0479-30-4706	hohtaka@cis.ac.jp

Symposium Office

Chiba Institute of Science, Symposium Office / Symposium Reception Desk

Phone: 0479-30-4706

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Symposium Sponsors

The Organizing Committee of CIS Symposium 2008 gratefully acknowledges the following organizations and companies *for their sponsorship of the International Crisis Management Symposium on CBRN and Emerging Infectious Diseases.*

Chiba Institute of Science (学校法人 加計学園 千葉科学大学)

Fire Equipment and Safety Center of Japan (財団法人 日本消防設備安全センター)

Japan Atomic Energy Agency (独立行政法人 日本原子力研究開発機構)

Kyoritsu Seiyaku Corporation (共立製薬株式会社)

Shida Kanzume Co., Ltd. (信田缶詰株式会社)

for Travel Grants

Organization for the Prohibition of Chemical Weapons (OPCW)

for Abstract Book Advertisement

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Choshi Taxi Co., Ltd. (株式会社 銚子タクシー)

Cornes Dodwell Ltd. (コーンズ ドッドウェル株式会社)

Fuji Biomedix Co., Ltd. (株式会社 富士バイオメディックス)

Fujifilm RI Pharma Co., Ltd. (富士フイルム RI ファーマ株式会社)

Geofitness Co., Ltd., Big Bang Sports Club Choshi Branch

(株式会社 ゲオフィットネスビックバンスポーツ銚子店)

Ikeda Scientific Co., Ltd. (株式会社 池田理化)

Inubosaki Keisei Hotel (犬吠埼京成ホテル)

Iwashou Co., Ltd. (イワショウ株式会社)

Japan Atomic Energy Agency (独立行政法人 日本原子力研究開発機構)

Nippon View Hotel Business Co., Ltd. Gyoukeikan

(日本ビューホテル事業株式会社 ぎょうけい館)

Ohmoto Gumi Co., Ltd. (株式会社 大本組)

Toraya Co., Ltd. (株式会社 トラヤ)

Yakukensha Co., Ltd. (株式会社 薬研社)

Symposium Supporting Institutions

The Organizing Committee of CIS Symposium 2008 gratefully acknowledges the following governments and organizations *for their support of the International Crisis Management Symposium on CBRN and Emerging Infectious Diseases.*

Association for Education on Loss Prevention and Crisis Management (NPO)

(NPO 法人 防災・危機管理教育協会)

Chemical Society of Japan (日本化学会)

Choshi City (銚子市)

Crisis & Risk Management Society of Japan (日本危機管理学会)

Fire and Disaster Management Agency (総務省消防庁)

Institute of Social Safety Science (地域安全学会)

Japanese Association of Medical Technology Education (日本臨床検査学教育協議会)

Pharmaceutical Society of Japan (日本薬学会)

Risk Managers and Consultants Association of Japan (NPO)

(NPO 法人 日本リスクマネージャー&コンサルタント協会)

人と動物の共通感染症研究会

Exhibitors

The Organizing Committee of CIS Symposium 2008 gratefully acknowledges the following organizations and companies *for their exhibitions in the International Crisis Management Symposium on CBRN and Emerging Infectious Diseases.*

Association for Education on Loss Prevention and Crisis Management (NPO)

(NPO 法人 防災・危機管理教育協会)

Chiba Institute of Science (学校法人 加計学園 千葉科学大学)

Chiyoda Technol Corporation (株式会社 千代田テクノ)

Fuji Biomedix Co., Ltd. (株式会社 富士バイオメディックス)

Japan Atomic Energy Agency (独立行政法人 日本原子力研究開発機構)

Japan Fire Equipment Inspection Institute (日本消防検定協会)

Kansai Electric Power Company, Inc. (関西電力株式会社)

National Research Institute of Fire and Disaster

(総務省消防庁 消防大学校 消防研究センター)

Normeca Asia Co., Ltd. (株式会社 ノルメカエイシア)

Tokyo Electric Power Company, Inc. (東京電力株式会社)

Scientific Program

Saturday, September 13th

13:30-17:00 **Pre Symposium** **(Site 1)**

18:00-20:00 **Welcome Reception** **(Café Marina)**

Sunday, September 14th

9:00-9:30 **Opening Ceremony** **(Site 1)**

9:45-12:45 **Session 1: Hospital Infections** **(Site 1)**

Chairpersons: **Kunihiro MIMURA (Japan)**
 Noboru FUJITANI (Japan)

9:45-9:50 **Opening**

9:50-10:15 **[L01] Hayato MIYACHI (Tokai University School of Medicine, Japan)**
*New aspects in health-care associated infections and their control:
An important role of organizations for activity and adherence to
guidelines*

10:15-10:40 **[L02] Masashi EMOTO (Gunma University Faculty of Medicine,
Japan)**
Basic Knowledge of Host Defense Mechanism

10:40-10:50 **Coffee Break**

10:50-11:15 **[L03] Yaoko TAKANO (Keio University Hospital, Japan)**
*The Contribution to Prevention of Hospital-Acquired Infections from a
Viewpoint of Nurse's*

11:15-11:40 **[L04] Takeshi NAKAZAWA (Juntendo University Bureaus Hospital,
Japan)**
*The Contribution to Prevention of Hospital-Acquired Infections from
Medical Technologist's*

11:40-12:05	[L05]	Yukimitsu SATO (Tokyo-Kita Social Insurance Hospital, Japan) <i>The Present Status and Prospects of Nosocomial Infection Prevention in Patient Safety - from a Viewpoint of Crisis Management-</i>	
12:05-12:15		Coffee Break	
12:15-12:45		Session Discussion	
9:45-12:15		Session 2: Radiation Emerging Disasters	(Site 2)
		Chairpersons: Anthony T. TU (USA) Takamitsu KATO (Japan)	
9:45-9:55		Opening	
9:55-10:30	[L06]	Takeshi YASUDA (National Institute of Radiological Sciences, Japan) <i>The Biological Effects of Radiation Exposure and the Examples of Radiation Accidents</i>	
10:30-11:00	[L07]	Yoshitaka MATSUMOTO (National Institute of Radiological Sciences, Japan) <i>The Radiation Exposure and the Possible Biological Effects in the Clinical Therapy and the Medical Diagnosis</i>	
11:00-11:15		Coffee Break	
10:30-11:00	[L08]	Takamitsu KATO (National Institute of Radiological Sciences, Japan) <i>The Massive Radiation Exposure and its Risk Management</i>	
11:45-12:15	[L09]	Yoshikura HARAGUCHI (National Disaster Medical Center, Japan) <i>Earthquake and the Problems of the Damage to the Nuclear Plant -Focusing on the Medical System Experienced from the Chuetuoki Earthquake, 2007-</i>	
12:15-14:30		Poster Presentation and Lunch	(Welfare Building)
12:45-13:45		Poster Session 1	
13:15-14:15		Poster Session 2	

14:30-17:30 Session 3: High-Risk Infection Disease (Site 1)

Chairpersons: **Toshiyuki MASUZAWA (Japan)**
 Toshiyuki SHIBAHARA (Japan)

14:30-15:00 **[L10] Nobuhiko OKABE (Infectious Disease Surveillance Centr., Japan)**
Influenza Pandemic

15:00-15:30 **[L11] Koichi OTSUKI (Kyoto Sangyo University, Japan)**
Avian influenza as an important zoonosis

15:30-15:45 **Coffee Break**

15:45-16:15 **[L12] Hitoshi OSHITANI (Tohoku University Graduate School of Medicine, Japan)**
Influenza Pandemic Preparedness from Global Perspective

16:15-16:45 **[L13] Mikio DOI (Ibaraki prefectural central hospital, Japan)**
Key Points of Planning for Pandemic Influenza in Ibaraki Prefecture: Lessons from the Experience of Avian Influenza A/H5N2 Infection in Poultry in 2005

16:45-17:15 **[L14] Taisuke HORIMOTO (University of Tokyo, Japan)**
Molecular mechanisms of avian influenza virus infection in humans and designing vaccines for pandemic influenza

17:15-17:30 **Session Discussion**

14:00-17:45 Session 4: Bio-Material and Chemical Emerging Disasters (Site 2)

Chairpersons: **Anthony T. TU (USA)**

14:00-14:15 **[L15] Shahriar KHATERI (Janbazan Medical & Engineering Center, Iran)**
Update on Long-Term Effects of Exposure to CW Agent -Health Status of Iranian Survivors of Iraq's Chemical Warfare-

14:15-14:55 **[L16] David TRUDIL (New Horizons Diagnostic Corp, USA)**
The Changing Scene of Bio Detection and Response from Anthrax to Avian Flu

14:55-15:35 **[L17] David R. FRANZ (Midwest Research Institute, USA)**
Biological Terrorism: Perceived Threats and Response in the United States

- 11:20-11:55 **[L29] Yoshinori INOUE (Nippon Filcon Co., Ltd., Japan)**
Development of a Novel Chelate Resin and its Application to Determination of Trace Elements in Water Samples
- 11:55-12:30 **[L30] Yoko ENDO (Tokyo Rosai Hospital, Japan)**
Risk Management in Occupational Health
- 12:30-12:45 **Closing Remarks**
- 12:45-14:30 **Poster Presentation, Lunch, and Event** (Welfare Building)
- 14:30-16:45 **Special Lectures** (Site 1)
- Chairpersons: **Toshiyuki SHIBAHARA (Japan)**
Akira SAKAI (Japan)
- 14:30-15:30 **[S02] Hiroshi KIDA (Hokkaido University, Japan)**
Ecology of Influenza Viruses in Nature, Birds, and Mammals Including Humans
- 15:30-15:45 **Coffee Break**
- 15:45-16:45 **[S03] Tetsuro MIYASHITA (Oriental Land Co., Ltd., Japan)**
Crisis Management Theme Park
- 18:30-20:30 **Banquet** (Inubosaki Keisei Hotel)

Tuesday, September 16th

- 9:30-12:15 **Session 7: Fire and Explosion** (Site 1)
- Chairpersons: **Toshisuke HIRANO (Japan)**
Lijing GAO (Japan)
- 9:30-9:40 **Introductory Remarks**
- 9:40-10:05 **[L32] S. M. LO (City University of Hong Kong, China)**
An Application of Computer Simulations for People Evacuation Management in a Complex Setting

10:05-10:30	[L33] Timothy J. Murphy (University of Findlay, USA) <i>Development of an Emergency Management Academic Program: A Case Study</i>	
10:30-10:55	[L34] Nobuhiko SHIRAISHI (Nuclear and Industrial Safety Agency, Ministry of Economy, Trade and Industry, Japan) <i>Current Situation of Accidents Involving Hazardous Materials in Japan and Measures taken by Organization Concerned</i>	
10:55-11:10	Coffee Break	
11:10-11:35	[L35] Takashi TSURUDA (National Research Institute of Fire and Disaster, Japan) <i>Fire Investigation for Emergency Management</i>	
11:35-12:00	[L36] Kazuhiro YAMAMOTO (Nagoya University, Japan) <i>Evacuation Simulation in Fire by Real-Coded Cellular Automata</i>	
12:00-12:15	Closing Remarks	
9:30-12:05	Session 8: Food Safety	(Site 2)
	Chairpersons: Noboru FUJITANI (Japan) Masakiyo HOSOKAWA (Japan)	
9:30-9:40	Introductory Remarks	
9:40-10:20	[L37] Fujio KAYAMA (Jichi Medical University, Japan) <i>Exposure Assessment and Health Effect Evaluations of cadmium in Japan</i>	
10:20-11:00	[L38] Ginji ENDO (Osaka City University Medical School, Japan) <i>Risk Assessment on Arsenic in Seafood</i>	
11:00-11:15	Coffee Break	
11:15-11:55	[L39] Hiroyuki SUMI (Kurashiki University of Science and the Arts, Japan) <i>The Functionality of Natto and its activity for Promoting Fibrinolysis</i>	
11:55-12:05	Closing Remarks	
12:20-12:40	Closing Ceremony	(Site 1)

Poster Presentations

Sunday, September 14th

12:45-13:45 **Poster Session 1**

(Welfare Building)

- [P01] **ABUBAKIROVA M.I.**
Toxicology of Colubridae (Rear-Fanged Snakes) Venom from Uzbekistan
- [P02] **Kazutoshi HASEGAWA, Susumu OHNO and Masaaki SEKIYA**
The Development of the Quantified Check List for Safety Management in the Poisonous and/or Deleterious Substances-handling Manufacturing Industries
- [P03] **Eri KAWASHIMA, Hideyuki YANAGIBASHI, and Shiroh HISAJIMA**
Automatic Identification of Color Change Reaction by Chemical Agent Using RGB Value
- [P04] **Naohiro MURONOI, Hideyuki HAYASHI, and Shiroh HISAJIMA**
Detection of Microorganisms by TOF-MS
- [P05] **Tadashi OKADA, Kentaroh HAYAKAWA, and Shiroh HISAJIMA**
High-Speed Sorting of Microorganism by Photomicrograph
- [P06] **Makoto UCHIDA, and Shiroh HISAJIMA**
Discrimination of Biological Agents (Analysis by High-speed Amplification of DNA)
- [P07] **Vladimir CHUPIS, Alexander KARPOV, Mikhail KURGUZKIN, Andrei LESCHEV, and Alexei LIPANOV**
Environmental Monitoring and Ecological Analysis Controlling the Running of the Facilities for Chemical Weapons Storing and Destruction
- [P08] **Miroslav POHANKA, Daniel JUN, and Kamil KUCA**
Pesticides and Nerve Agents Assay Based On Electrochemical Biosensor
- [P09] **Yumi UNE, Kotoe SOEDA, Asuka SANBE, Satoru SUZUKI, Takeshi NIWA, Hidemasa IZUMIYA, Haruo WATANABE, and Yukio KATOU**
Salmonellosis due to Salmonella Enterica Serotype Typhimurium DT40 in Sparrows (Passer montanus) in Japan
- [P10] **Jiri KASSA, Jana KARASOVA, Jiri BAJGAR, Kamil KUCA, and Kamil MUSILEK**
A Comparison of Neuroprotective Efficacy of Newly Developed Oximes (K203, K206) and Commonly Used Oximes (Obidoxime, HI-6) in Tabun-Poisoned Rats

- [P11] **Kamil KUCA, Kamil MUSILEK, Daniel JUN, and Miroslav POHANKA**
Structure-Activity Relationship as a Tool for the Development of New Promising Oximes
- [P12] **Kamil MUSILEK, Ondrej HOLAS, Veronika OPLETALOVA, Daniel JUN, and Kamil KUCA**
Novel Reactivators of Acetylcholinesterase against Paraoxon Intoxication
- [P13] **Miroslav POHANKA, Daniel JUN, and Kamil KUCA**
Aflatoxin Assay Using an Acetylcholinesterase Based Biosensors

13:15-14:15 Poster Seeion 2 (Welfare Building)

- [P14] **Koji MORITA, Noboru WATANABE, and Mitsuhiro OKAZAKI**
Molecular Genetical Analysis of Nosocomial Infections Caused by blaCTX-M-3-harboring Strains of Enterobacteriaceae
- [P15] **Yoshikura HARAGUCHI, Hosei NISHI, Yozo TOMOYASU, Tohru ISHIHARA, Masami HOSHINO, Shinji HOSOTSUBO, Kaori HIRAGO, and Nathane L ROHDEN**
Medical Measurement against Flue Pandemic-including the social measurement
- [P16] **Tsuyoshi HAYASHI, Yuko UCHIDA, Chiaki WATANABE, Nobuhiro TAKEMAE, Masaji MASE, Shigeo YAMAGUCHI, and Takehiko SAITO**
Characterization of Highly Pathogenic Avian Influenza Viruses Isolated During 2006-2007 in Myanmar
- [P17] **Kazuya I.P.J. HIDARI, Yoshimasa TANAKA, Yo-Hei MINAMIJIMA, Makoto OGATA, Takeomi MURATA, Yoshinobu MIWA, Taiichi USUI, and Takashi SUZUKI**
Characterization and Application of Glycopolymers Carrying Sialyl Lactosamine Repeats for Inhibition against Influenza Virus Infection
- [P18] **Kai INOUE, Soichi MARUYAMA, Hidenori KABEYA, Yumi UNE, and Yasuhiro YOSHIKAWA**
Small Exotic Animals as Potential Reservoirs of Zoonotic Bartonella Species
- [P19] **Keita KAWATANI, Toshiyuki MASUZAWA, Marija MILUTINOVIĆ, Takashi FUKUI, and Yoshihiro OKAMOTO**
Detection of the Borrelia Burgdorferi Sensu Lato and Anaplasma Phagocytophilum in Host-seeking Adult Ixodes Ricinus Ticks Collected in Serbia

- [P20] **Norio OHASHI, GAOWA, WURITU, Fumihiko KAWAMORI, Hiromi FUJITA, Toshiro HONDA, and Tsuyoshi KURAMOTO**
Characterization of Rickettsial DNA (Spotted Fever Group) From Ticks Collected In Kagoshima Prefecture, Japan
- [P21] **Yoshihiro OKAMOTO, Yumi UNE, Takahiro TAKEUCHI, Keiko TSUKAGOSHI, Nobuo KOIZUMI, Hiroki KAWABATA, Yasuhiro YOSHIKAWA, and Toshiyuki MASUZAWA**
Leptospirosis in Squirrels Imported from United States to Japan
- [P22] **Yasuo SUZUKI**
Mutation mechanism of the highly pathogenic avian influenza virus into humans
- [P23] **Akiko TSUBOUCHI and Takeshi NARA**
A Study on the Preventive Law for Influenza (H5N1) In Japan
- [P24] **Hideaki YOSHIDA, Ryuichi YAJIMA, Nobuto HAYASHIMOTO, Akira TAKAKURA, Takeshi FUKUI, Yoshihiro OKAMOTO, and Toshiyuki MASUZAWA**
Detection of Leptospira Antigen by ELISA and Immunochromatographic Assay
- [P25] **H. KIKEGAWA, N. MATSUMOTO, T. NOHARA, and K. HOSHINO**
Treatment of Implants in the Oral Surgery Which Prevents Medical Malpractice
- [P26] **Masaaki KOBAYASHI**
Measures to Prevent Medical Malpractice Related to Radiopharmaceuticals
- [P27] **Nagayasu MATSUMOTO**
Statistical Consideration of Incident Report Case in Dental Medic
- [P28] **Tohru NOHARA, Hirohito KIKEGAWA, and Nagayasu MATUMOTO**
It Fries Medical Care Cooperation and A Second Opinion About The Oral And Maxillofacial Surgery

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