

ISRP Toronto 2006 - CONFERENCE PROGRAM (August 27-31/06)

SUNDAY 27 AUGUST

0830 - 0900	Introduction
0900 - 1100	Training Seminar
1100 - 1130	Break
1130 - 1300	Training Seminar
1200 - 1730	Registration
1300 - 1400	Lunch
1400 - 1530	Training Seminar
1530 - 1600	Break
1600 - 1730	Training Seminar
1900 - 2100	Reception

MONDAY 28 AUGUST

OPENING SESSION

0830 - 0900	Opening Welcome	ISRP President ISRP Vice President
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0900 - 1000	P1	ABS 60	PLENARY LECTURE 1 The SARS Crisis - What Have We Learned?	Dr. Brian Schwartz
	P2	ABS 08	Appropriate Use of Respiratory Protective Equipment Among Health Care Workers in Singapore, China, and Japan Hospitals During the SARS Outbreak	Sin Eng Chia, David Koh, Ken Takahashi, Yishi Li, Teppei Imai, Wei Li, Calvin Fones, Vivian Ng, and Meng Kin Lim

SESSION 1

Healthcare RPE

1000 - 1100	01	ABS 53	Can surgical masks protect effectively from AVIAN INFLUENZA?	Peter Paszkiewicz
	02	ABS 22	Efficiency of Respirator Filters Against A Viral Aerosol	Paul Gardner, Aaron Richardson, Kent Hofacre, and Samy Rengasamy
	03	ABS 11	Relative Performance of a Range of Filtering Facepieces and Surgical Masks Against Ambient Particles, an Artificial Saliva Aerosol and an Attenuated Strain of Influenza Virus	Mike Clayton and Jonathan Gawn

1100 - 1120	Break
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SESSION 2

RPE Applications and Performance

1120 - 1220	04	ABS 06	New Level of Respiratory Protection against Airborne Viruses: Improved Respirator for Emergency Responders and Healthcare Workers	Stéphane Bourget, Joe Tanelli, David Ohayon, Anne-Marie Gendron, Alfredo Staffa, Marie-Ève Sans Cartier, Pierre J. Messier
	05	ABS 20	Exposure of Health Workers to Tuberculosis in inadequately Funded Public Hospitals in a Sub-urban City of Nigeria	Edeh I., Ogbo P., and Ogbo IK.
	06	ABS 58	Powered Air Purifying Respirator Use By First Receivers: Personal Performance Issues	Raymond Roberge

1220 - 1320	LUNCH
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SESSION 3		Roundtable 1 - RPE for Healthcare Workers		
1320 - 1600	RT1-1	ABS 16	Overview of Avian Influenza	Lisa Delaney
	RT1-2	ABS 35	"Dirt, Bugs and Masks" (Airborne Infectious Diseases and Respiratory Protection)	Bob Janssen
	RT1-3	ABS 3	Prevention of Airborne Contagion in the Clinical Setting -- Principles and Practices -- an International perspective	Ugis Bickis
	RT1-4	ABS 23	Respiratory Protection for Avian Flu Situations	Natalie Gaydos and Richard W. Metzler
	RT1-5	ABS 41	Filtration Efficiency of Surgical Masks and N95 Filtering Facepiece Respirators	Erik W. Johnson
	RT1-6	ABS 05	Respirator Versus Surgical Mask Use in the Health Care Setting	Beverley A. Borst
1600 - 1620		Break		
SESSION 4		RPE Programs and Guidance		
1620 - 1740	07	ABS 17	Protecting the First Responder Against CBRN Threats	E. Dickson, B H. Harrison and S. J. Smith
	08	ABS 19	Status of Respiratory Protection Programs in Kentucky Firefighters	Gregory Easterling and Scott Prince
	09	ABS 30	Firefighter Self Contained Breathing Apparatus Air Management	Drew Harvey and Geoff Boisseau
	10	ABS 47	Experience of Quality Surveillance of Filtering Respirators in Japanese Market	Yoshimi Matsumura, Katsumi Suzuki and Akio Ogawa
1830 - 2100		Evening Activity TBD		
TUESDAY 29 AUGUST				
0830 - 0900		P3	ABS 04	PLENARY LECTURE 3 NIOSH Personal Protective Technology Programs Leslie F. Boord
SESSION 5		Roundtable 2 - Breathing Rates		
0900 - 1030	RT2-1	ABS 33	Breathing Air Flow Rates during Treadmill Walking Using Respirators	Ingvar Holmér, Kalev Kuklane, Chuansi Gao
	RT2-2	ABS 02	Breathing Patterns at Different Work Rates	Göran Berndtsson
	RT2-3	ABS 38	Importance of Peak Flow Rates	Arthur T. Johnson
	RT2-4	ABS 36	The Role of Airflow Measurements in Setting Respirator Performance Criteria	Larry Janssen
1030 - 1050		Break		
1050 - 1220	RT2-5	ABS 56	Efficiency of Particulate Respirator Filters under High Flow Conditions	Aaron Richardson, Kent Hofacre, Paul Gardner, and Samy Rengasamy
	RT2-6	ABS 43	Toxic Industrial Chemical Filtration	Christopher J. Karwacki
1220 - 1320		LUNCH		
SESSION 6		Particulate Filtration		
1320 - 1500	11	ABS 25	A Novel Strapless Adhesion Face-sealed Mask with Highly Efficient Filter Material	Sergey A. Grinshpun and Takeshi Honda
	12	ABS 37	Workplace Performance of Electret Filters With and Without Exposure to Paraffin Oil	Larry Janssen and Graham Bostock
	13	ABS 46	Standard Filters for Assessment of Repeatability of Test Stands for Testing Penetration of Filtering Materials Against Solid and Liquid Aerosols	Krzysztof Makowski
	14	ABS 29	Effectiveness of Filtering Facepiece Respirator with 3-D Facepiece Cushion	Hiroki Haruta
	15	ABS 45	Protecting Healthcare Workers from Respiratory Infections	Gabor Lantos
1500 - 1930		Trade Exhibition		

WEDNESDAY 30 AUGUST

0830 - 0900	P4	ABS 18	PLENARY LECTURE 4	Wolfgang Drews
			ISO/TC 94/SC 15- Respiratory Protective Devices – A Progress Report	
SESSION 7				
Rountable 3 - What do we Learn from Inward Leakage Testing?				
	RT3-1	ABS 10	Inward Leakage Testing – The European Vision	Michael Clayton
0900 - 1030	RT3-2	ABS 51	Proposed Inward Leakage Testing in NIOSH Certification	William E. Newcomb
	RT3-3	ABS 27	Past, Present, and Future Use of Fit Tests in Canadian Respirator Certification	Brian H. Harrison
1030 - 1050 Break				
SESSION 7 Continued				
	RT3-4	ABS 49	Variability of Fit Testing and Its Effect on Total Inward Leakage Testing	Thomas J. Nelson
1050 - 1220	RT3-5	ABS 42	Total Inward Leakage Is Only Part of the Equation in Understanding Respirator Performance	James Johnson
	RT3-6	ABS 13	Evolution And Relationship Of Inward Leakage Testing To Workplace Testing - Have We Gone Full Circle?	Craig E. Colton
1220 - 1320 LUNCH				
1320 - 1420 General Meeting				
SESSION 8				
Fit and Leakage				
	16	ABS 01	Parameter Study for Total Inward Leakage Measurements	J. Albers; I.T. Tuinman; S. V.D Gijp
1420 - 1540	17	ABS 59	Total Inward Leakage Test During Strenuous Exercise	Lars Ronner and Pontus Ahllwy
	18	ABS 12	The Effect of Facial Hair Growth on the Performance of Loose-fitting Respirators	Mike Clayton and Bob Rajan
	19	ABS 21	Presentation of Test Results: a Demonstration of Interpretive Pitfalls	Leif A. Ekman
1540 - 1600 Break				
SESSION 8 Continued				
	20	ABS 28	Quantitative Fit Testing of Powered Air Purifying Respirators with TSI Portacount Plus Model 8020	Brian Harrison, Chantal Harrison, Septimus Liang, Simon Smith and Lisa Croll
	21	ABS 26	Measuring Protection Factors with a CBRN Blast Helmet and Bomb Suit	B H Harrison, P Bodurtha, E Dickson, L Dougherty, J White, A Leask, and E Turcotte
1600 - 1720	22	ABS 09	The Development of a Methodology to Measure Simulated Workplace Protection for High Performance Military Respirators	Alexander F. Christiansen, Grant S. Richardson, Leo Steenweg, and Graham H. Williams
	23	ABS 15	How Well Are We Actually Protected with a Gas Mask?	Menno de Jonge, Leo Steenweg, Leon Geers, Tineke Albers and Sven van der Gijp
1830 - 2230 Conference Dinner				

THURSDAY 31 AUGUST

SESSION 9				
Emergency Response and Military Developments				
	24	ABS 61	Respiratory Protective Equipment Development in the Dominions – History from the McPherson Smoke Hood Onward	Simon J. Smith
	25	ABS 54	Design and Development of New Advanced US Government Military Masks and Filters	John Penton and Andy Capon

0830 - 1010	26	ABS 23	Respiratory Protection for Clandestine Methamphetamine Laboratory Seizures	Natalie Gaydos; Richard W. Metzler
	27	ABS 62	Public Use of Respiratory Protection in Nuclear Power Plant Accidents	Herschel Specter
	28	ABS 55	Integrated Respiratory and Skin Protection: An Account Of a Series of Practical Tests	Graham Powe
1010 - 1030		Break		
SESSION 10		Facepieces and Flow Handling		
	29	ABS 44	3-Dimensional Shape Analysis of Commercial Half-facepiece Respirators for Koreans: II. Statistical approach	Kangyoon Kim and Hyunwook Kim
	30	ABS 65	Anthropometrics for Developing Headforms for Testing Respiratory and Eye Protective Devices	Ziqing Zhuang and Dennis J. Viscusi
1030 - 1230	31	ABS 07	Modeling the Flow of Gas and Particulates Within a Respirator	Kathryn M. Butler
	32	ABS 40	Visualizing Flow Pathways When Overbreathing a Loose-Fitting PAPR	Arthur T. Johnson and Frank C. Koh
	33	ABS 39	Energy, Oxygen, and Air Requirements for Emergency Escape from a High-Rise Building	Arthur T. Johnson, William H. Scott, and Frank C. Koh
	34	ABS 24	Flow and Mass Transfer in a Respirator	Leon Geers, Önder Bilir, Sven van der Gijp
1230 - 1330		LUNCH		
SESSION 11		Gas/Vapour Filters and Service Life Measurement		
	35	ABS 31	New aspects in gas filter testing: Are small capacity cartridges still safe at high work rates?	Nadine Haupt and Peter Paszkiewicz
	36	ABS 66	Metal Oxide Sensors as End-of-Service-Life Indicator (ESLI)-Potential, Implementation and Limitations	M. G. Ziegler and H. Koeser
	37	ABS 32	Chemicapacitive Sensors for Gas Mask Cartridges	Stephen T. Hobson, Sanjay V. Patel, and Todd E. Misna
1330 - 1550	38	ABS 32	Thermal Regeneration Characteristics of Respirator Cartridges for Two-component Organic Vapors	Hajime Hori, Toru Ishida, Sumiyo Ishimatsu
	39	ABS 63	The Risk of Desorption from Activated Carbon Filters	Marco Linders, Leo Steenweg, Jaques van Bokhoven, Piet Baak
	40	ABS 52	Ambient Temperature Carbon Monoxide Oxidation Catalyst for Use in Respiratory Protective Devices	E. Noordally
	41	ABS 14	Unexpected Results Obtained During Hydrogen Cyanide and Cyanogen Chloride Testing of Military Carbons	L. M. Croll, S. Smith, B. Harrison, S. Narayan, M. Evans, and J. Reynolds
1550 - 1610		Break		
SESSION 12		Workplace Studies and Respirator Performance		
	42	ABS 50	Workplace Protection Factor Study Protocol	T.J. Nelson and L. Janssen
1610 - 1710	43	ABS 57	The Development of an Advanced Respirator Test System (ARTS) for the Evaluation of Respirator Performance within the UK Armed Forces	Grant S. Richardson, Graham Williams, Alexander-Flesjo Christiansen
	44	ABS 64	A Quantitative Approach to Understanding Protection Factor	Tony K. Wilson
1710 - 1730		CLOSING SPEECHES AND ANNOUNCEMENTS		
END OF CONFERENCE				
FRIDAY 01 SEPTEMBER				
0930-1200		Technical Tours		