

Session Number	Title	Session Chair(s)	Time
1	Asbestos Definitions and Legal Consequences	Sean Fitzgerald Mickey Gunter	Monday Morning
	Title	Speaker	Time
	Introductions	Chairs	8:30
	Asbestos is not a four-letter word	Sean Fitzgerald	8:40
	Can AHERA bulk asbestos method statistically differentiate ACM from non-ACM	Shu-Chun Su	9:00
	Expanding the Capabilities of SEM - electron backscatter diffraction	Bryan Bandli et al	9:20
	A novel way to distinguish between asbestos and non-asbestos amphibole	Julie W. Pier	9:40
	US Asbestos Regulations and Method Requirements	Tom Laubenthal	10:00
	Break	Break	10:20 Break
	Asbestos Air and Bulk Analysis - Different Approaches to Controlling Asbestos Exposure	Jim Millette	10:40
	Williamsburg, Iowa truck stop demolition case study	Jim Kacer	11:00
	Viewing asbestos from a legal lense: A snapshot of recent asbestos enforcement initiatives from around the world	Ann Strickland et al	11:20
	Asbestos, biopyriboles, and phyllosilicates (Oh My!)	Sean Fitzgerald	11:40
2	Almost Asbestos and Asbestos in Talc	Julie Pier Drew Van Orden	Monday Afternoon
	Title	Speaker	Time
	Mineralogical compositional analysis, morphological relationships, and formation of asbestiform talc from the Gouverneur Mining District	Brittani McNamee et al	1:20
	Talc Regulation and Analysis at OSHA	Daniel T. Crane	1:40
	ASTM WK30024: Standard test method for polarized light microscopy (PLM) analysis of cosmetic and pharmaceutical talc for asbestos, an update on D22.07 analytical method development	Lou Solebello et al	2:00
	Update III on the XRD portion of the method for the analysis of cosmetic and pharmaceutical grade talc for asbestos under ASTM D22.07	Gary P. Tomaino	2:20
	Asbestos in Talc method: What is the detection level we can hope for?	Julie W. Pier	2:40
	The use of high precision sieves at 15, 10, and 5 micrometer to concentrate very trace level amphibole or serpentine from within a talc matrix for additional evaluations using XRD, PLM, FESEM or TEM	Gary P. Tomaino	3:00
	Break	Break	3:20 Break
	Training analysts to recognize altered amosite and chrysotile: implications for bulk asbestos analysis	Don Halterman	3:40
	Comparison of Size Distribution of Asbestos and Nonasbestos Amphibole Minerals	Drew Van Orden et al	4:00
	Morphology of amphiboles in soils from Jecheon, Korea	Jiwoon Kwon et al	4:20
	Characterization of world wide Olivine matrices for amphibole, serpentine, and asbestos	Gary P. Tomaino	4:40
That's not asbestos... that's just green Italian marble	Sean Fitzgerald	5:00	
	Reception at Sheraton		6:30
3	Asbestos Progeny (Non-asbestos particulates of interest)	Ed Cahill Owen Crankshaw	Tuesday Morning
	Title	Speaker	Time
	Nanoparticles	Ed Cahill	8:40
	NIOSH 7400 B Rules, training issues with counting refractory ceramic fibers, and legal responsibility: an OSHA case study	Don Halterman	9:00
	Erionite in the Custer National Forest and its Implications for Human Health	Martin Harper	9:20
	ASTM WK 39550: Polarized light microscopy (PLM) analysis of erionite in soils and gravels, an update on D22.07 analytical method development	Lou Solebello et al	9:40
	Fluidized bed asbestos segregator - Application of the FBAS to testing erionite-containing soils	Jed Januch et al	10:00
	Break	Break	10:20 Break
	Determining the source of talc particles or talc mineral mixtures by integrating multiple analytical methods	Marian Buzon et al	10:40
	Fibrous zeolites vs. fibrous zeolites: the significance of zeolite nomenclature proper identification methods, and regulatory issues	Kristina Pourtabib et al	11:00
	Carbon nanotubes: The emerging threat and the standard ASTM is developing to address it	Steven P. Compton	11:20
	A study of the releasability of carbon nanotubes from composite materials	Andreas Saldivar et al	11:40
	4	International & Domestic Methods	Eric Chatfield Steve Compton
Title		Speaker	Time
Detection of airborne asbestos by fluorescent microscopy		Akio Kuroda	7:00

	Magnetic alignment of asbestos fibers for qualification and quantification: what's the attraction?	Don Halterman	7:15
	Status of International Standard ISO 22262 - determination of asbestos in bulk materials	Eric J. Chatfield	7:30
	Problems raised by Japan's ISO guidance asbestos definition	Eric Eguina	7:45
	Questions for presentations 1-4	Questions	8:00
	Break	Break	8:20
	Potential modifications to fiber counting methods using phase-contrast microscopy	Martin Harper et al	8:30
	Assessment of potential sample processing enhancements to Method 435 under consideration by the California Air Resources Board	R. Mark Bailey	8:45
	Qualitative TEM analysis of loose fill vermiculite, a new ASTM method	Jeanne Spencer	9:00
	Italian Guide-Lines to classify Asbestos containing wastes	Federica Paglietti et al	9:15
	Evaluation of the dark-medium objective lens in counting asbestos fibers by phase-contrast microscopy	Eun Gyung Lee et al	9:30
	Questions for presentations 5-9	Questions	9:45
5	Soils, Vermiculite Attic Insulation, and Natural Occurrences of Asbestos	Jeanne Orr Alan Segrave	Wednesday Morning
	Title	Speaker	Time
	Recent vermiculite guidance and its implications on future public health policy	William A. Esposito	8:40
	Analysis of Vermiculite and Vermiculite Containing Materials	Ed Cahill et al	9:00
	Analysis of expanded vermiculite for trace amphibole content	Rich Lee et al	9:20
	Analysis of structural fire proofing / Vermiculite containing material to verify asbestos content, a unique approach	Raymond Kennedy et al	9:40
	Reliable determination of asbestos in vermiculite and vermiculite-containing materials	Eric J. Chatfield	10:00
	Break	Break	10:20 Break
	An examination of the validation methods for the determination of suitability of new methods for the detection of asbestos in novel materials	Myron Getman	10:40
	Woodstove ash as an important exposure media for libby amphibole	David Berry et al	11:00
	Natural Occurrence of Asbestos in Germany, Estimation of Exposure Risks, Measurement of Inhalative Exposure and Limit Values; Measurement strategies and analytical methods	R. Koenig et al	11:20
	Investigation of asbestos surface/soil contamination in South Africa: analytical method comparison part II	Frank Ehrenfeld et al	11:40
Poster	Posters		12:00-12:40
6	Monitoring issues and a remediation case study	Andy Oberta Tom Laubenthal	Thursday Morning
	Title	Speaker	Time
	ASTM Standard for Asbestos Exposure Assessments	Andy Oberta	8:40
	Airborne Asbestos at a Crocidolite-cement plant	Drew Van Orden et al	8:55
	Air sampling results from an abandoned tremolite mine	Mark S. Floyd	9:10
	How little is 'safe' – a case study from the UK	Paul Nathanael	9:25
	Questions for presentations 1-4	Questions	9:40
	Break	Break	10:00 Break
	Building a dam out of naturally occurring asbestos (NOA): Challenges and Solutions at the Calaveras Dam replacement project	Bradley Erskine	10:20
	Developing and implementing an asbestos air monitoring program with risk-based monitoring criteria for the Calaveras Dam replacement project (CDRP)	D. Wayne Berman	10:35
	Geology/mineralogy of the Calaveras Dam replacement project and modification of lab test methods to optimize ability to perform project risk assessments	R. Mark Bailey	10:50
	Naturally occurring asbestos (NOA) exposures and health risks from selected construction activities at the Calaveras Dam replacement project	Daniel W. Hernandez	11:05
	Applying trend and amphibole speciation analyses to distinguish CDRP and non-CDRP emission sources at the Calaveras Dam Replacement Project, California	Bradley Erskine et al	11:20
	Questions for presentations 5-9	Questions	11:35
7	Determining Health & Risk	Julie Wroble Emily Lee	Thursday Evening
	Title	Speaker	Time
	Making sense of the asbestos literature: some criteria that can be used to identify invalid studies and why this is important	D. Wayne Berman et al	7:00
	Managing Risks from Asbestos-Related Fires	John Howell et al	7:20
	Exposure of fire-fighters to Libby Amphibole in the Kootenai National Forest	Martin Harper et al	7:40
	Evaluation of cumulative human health risks from asbestos exposure	Lynn Woodbury et al	8:00
	Preventing asbestos exposures in Northeast Japan tsunami disaster areas	Naoki Toyama	8:20
	Asbestos exposure at work: risk assessment and litigation in different Italian industrial plants	Annalisa Barrancchini et al	8:40

	Libby, Montana: Past, present, and future	Owen Crankshaw	9:00
	Evaluation of the sources of uncertainty in applying PCM-based health standards to environmental air samples	Danielle Devoney et al	9:20
	An analytical method for risk assessment	John Harris	9:40
8	Medical Aspects, Dose/Response	Ron Dodson Maureen Gwinn	Friday Morning
	Pathology and demographic analysis for mesothelioma in the United Kingdom	Bruce Case	8:40
	Towards Australia National Asbestos Regulation	John Howell et al	9:00
	The UK approach to assessing and managing asbestos in soil and made ground	Paul Nathanail	9:20
	Role of Fiber Length on Phagocytosis and Inflammatory Response	Carahline M. Stark et al	9:40
	Asbestos, killer to defeat	Ezio Bonanni	10:00
	Break	Break	10:20 Break
	Variations in morphology and chemistry of asbestos observed in lung and other tissues	Sean Fitzgerald	10:40
	Crystal Structure, Growth habit and elemental composition: How the properties of a mineral influence its toxicity	Stacy Doorn	11:00
	Background investigation for Libby Amphibole in the Kootenai Valley	David Berry et al	11:20
	A Study to Determine whether elutriated Dusts mimic the Character of Field Generated Dusts Suffic	D. Wayne Berman	11:40
9	International & Domestic Methods 2		Friday Afternoon
	Lowering Uncertainty of Fiber counts by Phase Contrast Microscopy	Thomas Pang et al	1:30
	Improved analytical procedure for characterizing the sizes of populations of fibers	Rich Lee et al	1:50
	Fiber Counting Course OSHA Expectations	Daniel T. Crane	2:10
	The relationship in hydrous phyllosilicates and polysomatic hydrous biopyriboles to formation of asbestiform habit via tetrahedral/octahedral fit compensation and the molecular action of water	Sean Fitzgerald	2:30
	Examples of atypical activity-based sampling studies conducted in Libby, MT	Lynn Woodbury et al	2:50
	Break	Break	3:10
	Panel; Discussion		3:30
			3:50
			4:10

Posters			
	Title	Presenter	
	Using multiple lines of evidence for the evaluation and remediation of a vermiculite exfoliation asbestos site	Charles Nace	Poster Only
	Reference concentration for Libby Amphibole	Bob Benson et al	Poster Only
	Purity test of tremolite-asbestos standard reference material by TEM	Beom-goo Hwnag et al	Poster Only
	Comminution of rocks in modified CARB 435 protocol	Drew Van Orden et al	Either
	Why the asbestos mines may open again	Sean Fitzgerald	Either
	The OSHA reference method for asbestos and equivalence	Daniel T. Crane	Either
	Living with a plate grinder: minimizing airborne dust exposures, lab contamination and sample cross-contamination	Mark S. Floyd et al	Either
	Asbestos aerosolization from soil measured by the releasable asbestos field sampler	William Barrett et al	Either
			Either