



ISNATT
INTERNATIONAL SOCIETY FOR NUCLEAR
AIR TREATMENT TECHNOLOGIES

**34th Annual Nuclear Air Cleaning Conference
Marriott San Antonio Riverwalk, San Antonio, Tx
June 5-7, 2016**

Agenda

Sunday, June 5, 2016 Victoria's

Registration and Welcoming Reception 5:00 – 6:00 pm

Monday, June 6, 2016 La Villita C

Registration 8:00 am Pluma and Breakfast La Villita B

Exhibits Pluma by ATI, Camfil, NUCON, and Porvair Filtration

Breakfast and breaks sponsored by ATI, Camfil, NUCON, and Porvair Filtration

Welcome and Introductions 9:00 am

9:00 – 9:30 Dr. Ronald R. Bellamy, President, ISNATT

**Keynote Presentations 9:30 – 11:45 am, Chairs, Dr. Ronald R. Bellamy, ISNATT,
and Dr. Craig Ricketts, New Mexico State University**

9:30 – 10:15 USDOE Decommissioning and Decontamination and
Waste Management Projects, Rodrigo Rimardo, USDOE

Break 10:15 – 10:45 am

10:45 – 11:15 China Nuclear Air Cleaning, Qui Danqui, Liu Qun, China
Institute of Radiation Protection

11:15 – 11:45 IAEA Waste Management Standards, JL Kovach, NUCON

Lunch 11:45 – 1:00 pm, Chair, Dr. Ronald R. Bellamy, Texas Barbecue, La Villita B

**Nuclear Filtration and Ventilation 1980-2015 A Personal Perspective, Ronald
Pratt, UK**

Design Considerations 1:00 – 4:20 pm, Chairs, Greg Pyle, KAPL, and Arthur Soma, Camfil

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| 1:00 – 1:30 | US Approach to Addressing BWR Mark I and II Containment Enhancements, Randy Bunt, Southern Nuclear Operating Co |
| 1:30 – 1:50 | Filtered Containment Venting: Reasons, Technology, Impact on the Environment, Jens Beck, AREVA Germany |
| 1:50 – 2:10 | Relationship of ASME Code on Nuclear Air and Gas Treatment with the USDOE Standards for HEPAS, Sonya Barnette, USDOE |
| 2:10 – 2:30 | Use of ASME B31.3 as ASME AG-1 Section SA Ductwork at DOE Hanford, Sharok Khabir, WRPS |
| 2:30 – 2:50 | Experience with Filter Test Facility 2015 laboratory Fire, Chris Hart, Benita Nicholson, ATI |

Break 2:50 – 3:20 pm

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| 3:20 – 3:40 | AREVA Control Room Accident Filtration System CRAFT, Jens Beck, AREVA Germany |
| 3:40 – 4:00 | Offgas Management in the Australian Nuclear Science Mo99 Facility, Stuart Brink, ANSTO |
| 4:00 – 4:20 | HEPA Filter Technology R&D Tools: The Miniature High Temperature Testing Unit, Juan Nagengast, LLNL |

ISNATT Meeting 4:20 – 4:45 pm, Dr. Ronald R. Bellamy, President, ISNATT

Reception and Student Poster Session 5:00 – 6:30 pm, Mississippi State University, Cavalier

Tuesday June 7, 2016 La Villita C

7:30 am Breakfast La Villita B

Exhibits Pluma, ATI, Camfil, NUCON, and Porvair Filtration

Testing and Inspection 8:30 – 11:40 am, Chairs, Chris Chadwick, Porvair, and Duane Adamson, SRNL

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| 8:30 - 8:50 | Evaluating Performance of a Range of Ceramic Media Filter Elements, Andrew Schemmel, Heejin Cho, Charles Waggoner, Mississippi State University |
| 8:50 - 9:10 | An Investigation of Various Alternative Tracer Gases for Measuring the Leakage in Gaseous Filtration Systems, Kevin Grot, Richard Grot, Patrick Helly, Lagus Applied Technology, John Pearson, NCS |
| 9:10 - 9:30 | Design and Performance of a Flat Media Filtering Test Stand, S. Phillips, Heejin Cho, Charles Waggoner, Mississippi State University |
| 9:30 - 9:50 | Design and Performance of an In Place Flat Media Loading Testing System, M. Wong, Heejin Cho, Charles Waggoner, Mississippi State University |

Break 9:50 – 10:20 am

10:20 – 10:40	Long-term Repeatability of Pressurization Mode Inleakage Tests, Peter Lagus, Kevin Grot, John Carlyle, Patrick Helly, Lagus Applied Technology, Kevin Fleming, NCS
10:40 – 11:00	Filter Test Facility Filter Test Data, Chris Hart, ATI
11:00 – 11:20	In Place Leak Test of HEPA Filter Banks Using a Multiple Sampling Technique for the Underground Ventilation System at the Waste Isolation Pilot Plant, Eric Rodriguez, Larry Browneller, Nuclear Waste Partnership, Eric Banks, Larry Shaffer, NUCON
11:20 – 11:40	A Review of Real Time Aerosol Measurement Techniques and their Correlation, S. Cox, Heejin Cho, Charles Waggoner, Mississippi State University

Lunch 11:45 – 1:30 pm, Chair, Dr. Ronald R. Bellamy, South Of The Border, La Villita B

USNRC – Today and Tomorrow, Marc Dapas, Regional Administrator, Region IV, USNRC

Filtration Components 1:30 – 4:40 pm, Chairs, Satish Dinakaran, Flanders, and Jim Kriskovich, Kurion

1:30 - 1:50	Plant Vogtle 3 & 4 Construction Update, Keith Dorsey, Southern Nuclear Corporation
1:50 - 2:10	ASME AG-1 Section FK Radial Flow Filters, Andrew Stillo, Camfil
2:10 - 2:30	Radial HEPA Filter Experience in AWE, Grant Hall, AWE
2:30 - 2:50	Heat Transfer in Activated Carbon, Clinton Summers, JL Kovach, NUCON

Break 2:50 – 3:20 pm

3:20 - 3:40	Innovative Waste Packaging and Associated Venting/ Hydrogen Management, Chris Chadwick, Porvair
3:40 – 4:00	Significant Aspects of Fatigue Phenomena and Related Materials Failures for Pleated Media in HEPA Filter Packs During Normal Operation, Craig Ricketts, NMSU
4:00 – 4:20	Analytical Model of HEPA Filter Loading for Use in Fire Safety Analysis in Facility Ventilation Systems, Werner Bergman, Aerosol Science

4:20 pm, Emerging Issues and Conference Wrap-up, Dr. Ronald R. Bellamy

Thank you for coming to the Conference. Safe travels home.