



**34th International Nuclear Air Cleaning Conference
Marriott Plaza San Antonio, 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

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

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

1. Evaluating Performance of a Range of Ceramic Media Filter Elements, Andrew Schemmel, Heejin Cho, Charles Waggoner, Mississippi State University
2. A Review of Real Time Aerosol Measurement Techniques and their Correlation, S. Cox, Heejin Cho, Charles Waggoner, Mississippi State University
3. Design and Performance of a Flat Media Filtering Test Stand, S. Phillips, Heejin Cho, Charles Waggoner, Mississippi State University
4. Verification, Validation, and Control of Automated Computational Applications Subject to ASME NQA-1 Quality Assurance Requirements, Katie Phillips, Jaime Rickert, Charles Waggoner, Mississippi State University
5. Design and Performance of an In Place Flat Media Loading Testing System, M. Wong, Heejin Cho, Charles Waggoner, Mississippi State University
6. Wet Over Pressure test of Radial Flow Filters, William Trainor, John Wilson, Bertron Hamil, Jay McCown, and Charles Waggoner
7. Radial Flow HEPA Filter Test Stand Aerosol Instrumentation Sampling Configuration, Robert Jacks and Charles Waggoner
8. Graduate Research Program at the Institute for Clean Energy Technology, Mississippi State University

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 | Evaluation of the Performance of AG-1 FC Separator and Separatorless Axial Flow HEPA Filters and the Effects of HEPA Filter Degradation Due to Age, Christopher Boone, Julie Stormo, and Charles A. 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 | Infrastructure and Test Methods for Evaluation of AG-1 Section FK 2000 cfm Radial Flow Filters, John A. Wilson, Charles A. Waggoner, Jaime Rickert, and Jay McCown, Mississippi State University |
| 9:30 - 9:50 | Filter Autopsy and Analytical Techniques for Qualitative and Quantitative Comparison of Properties Before and After Testing and Due to Aging, Coralie B. Rose and Charles A. Waggoner, Mississippi State University |

Break 9:50 – 10:20 am

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| 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 | Effect of Elevated Temperature and Humidity on Air Flow for HEPA Filter Testing, Heejin Cho and Charles A. 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.

