

**31st INTERNATIONAL NUCLEAR**

**AIR CLEANING**

**CONFERENCE**

**July 19-21, 2010**

**MARRIOTT CITY CENTER CHARLOTTE**

**CHARLOTTE NC**

**CONFERENCE WELCOME**

**DR. RONALD R. BELLAMY**

**CONFERENCE CHAIR**

Good morning and I welcome each of you to the 31<sup>st</sup> International Nuclear Air Cleaning Conference, sponsored by the International Society of Air Treatment Technologies, Inc. My name is Ronald Bellamy, and I am the present President of ISNATT. It is my honor and privilege to chair this conference, the 31st in a series of biennial technical meetings started 62 years ago to review research activities at the national laboratories by the Atomic Energy Commission. Each meeting has provided a very useful and beneficial forum for air cleaning experts from around the world to establish contacts, to network, and to exchange ideas, information, and technology. Discussion topics this year will include new and old issues, and we hope that issues resolution continues to be a common theme of our conferences.

ISNATT has a group of volunteer officers, which at present also include Eric Bank as Vice-President, Curt Graves as Treasurer, and Jim Edwards as Secretary. We have a Board of Directors that include Julie Stormo, Mike Doersam and Walt Drosjack. At our ISNATT business meeting today, we will entertain a slate of officers for the next two years.

I ask that you silence your cell phones, pagers, blackberries and other electronic devices. Any messages received will be at the Registration Desk. You should have all received a copy of a CD with all of the papers and presentations for your reference both here at the conference and in the future. This CD also contains the minutes of our ISNATT business meeting from 2008, and the attendees at our 2008 conference

in Seattle, Washington. As in the past, questionnaire feedback sheets are available for your thoughts, comments and suggestions for future conferences. Please respond particularly to the issue of whether future conferences should continue to be held concurrently with ASME CONAGT meetings, and if there is benefit to meeting the same week and in the same location as NHUG meetings. CDs are available for the proceedings of the past 5 conferences, and anyone desiring to purchase a copy of the 26<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup>, 29<sup>th</sup>, or 30<sup>th</sup> conference on CD should see me.

Please take advantage of the many opportunities outside the formal presentations for interface with your colleagues. The breaks for these conferences provide an excellent opportunity for this interface. Our breaks are being sponsored by several of the corporations represented here: ATI, Camfil-Farr, Energy Solutions, Flanders Corporation,, and NUCON. These companies have also taken the opportunity to set up exhibits for all of us to look at during our conference breaks. Please express your appreciation. We are also interested in your feedback specifically on these exhibits and how we can expand and improve on our ability to provide vendor information in a useful form in future conferences.

All of you have interfaced with our administrative staff. They are an exceptionally hard-working and efficient group of volunteers and I urge you to acknowledge their excellent performance, Without them the conferences would not be held. Finally, a special thank you is due Richard Porco and Ellis & Watts for sponsoring our reception yesterday.

There are two gentlemen of note that I would like to recognize, Unfortunately only one of them is with us today. In April 2009, Fred Leckie passed away. Fred was one of the original forces behind the standards activities we are involved in today. He chaired the first ANSI committee involved in nuclear air cleaning, and was the chair of the committee that wrote and published the first edition of ANSI N510 for the in-place testing of air cleaning units and components. His contributions to nuclear air cleaning, particularly when it relates to in-place testing, will forever be a part of this industry. With us today, and we are truly honored by his presence, is Dr. Lou Kovach. Fred's in-place testing contributions are akin to Lou's iodine chemistry and activated carbon contributions. Lou's name is the first mentioned not only in the United States but also internationally when an expert is needed for carbon performance and radioiodine removal. He has forgotten more iodine chemistry and carbon principles than most of us could ever imagine we would know. His support to these conferences, training courses, and the nuclear industry continue to be a significant factor in where the nuclear industry is today, and the outstanding safety record of the nuclear industry worldwide. Simply his presence here adds stature to our conference, and we thank him for being here.

We have a very ambitious agenda, filled with exceptionally interesting and timely papers and panel discussions. Our keynote speaker this morning is from an organization that is leading the resurgence in nuclear power throughout the world. We are honored to have Mr. Lee Elder, Senior Vice President of the Shaw Group here

in Charlotte this morning to talk to us about the Nuclear Renaissance. His keynote presentation will be followed by updates for the organizations that drive nuclear air cleaning in this country, to include the ASME Committee on Nuclear Air and Gas Treatment, CONAGT, the Nuclear Heating and Ventilating Utilities Group, NHUG, and the Institute of Nuclear Power Operations, INPO. Lunch today will be provided by ISNATT, and will be a North Carolinian Barbecue buffet. We have no luncheon program today by design, so take the opportunity to interface with your peers.

Technical sessions this afternoon will include a presentation on Boiling Water Reactor steam line source terms by AREVA, who is aggressively pursuing new reactor BWR construction. We will hear about offgas systems, sand filters, how the Bechtel Corporation is supporting new air cleaning issues, activated carbon performance, and commercial dedication issues with components. Our formal agenda today concludes with an ISNATT business meeting. Tonight provides the opportunity to see downtown Charlotte in its finest and sample some local specialties.

Tomorrow there will be a continental breakfast in this location, followed by numerous papers on HEPA filter performance and associated issues.

All attendees and others with you are invited to join us on Wednesday for an Italian Buffet Lunch featuring local delicacies. Our luncheon speaker will be Norman Boyster, Vice-President for Westinghouse in the area of AP1000 development at

Vogtle, who will talk on the Global Outlook for Nuclear Power. Progress in new construction will I'm sure be a pleasant surprise to many of you. All are invited to what I am certain will be an exceptional and enlightening talk.

Following our working lunch on Wednesday, we will discuss recent development with control room habitability and inleakage concerns, hear about testing of carbon filters in Australia, some specifics on ventilation systems for the AP1000 design, and how the regulatory framework supports air cleaning.

ASME CONAGT activities are a large part of our overall program this week. There have been, and continue to be, subcommittee and other working level meetings, and the Main Committee meets Thursday. You are welcome to attend our Main Committee meeting Thursday beginning at 9 am, and consider becoming involved in committee work. Feel free to talk to any committee member, the ASME staff here, Oliver Martinez, staff secretary, the CONAGT chair Tom Vogan, or the vice-chairs Mark Pest and myself, for further details.

Please plan on a full day Wednesday, concluding with time for any followup discussions, presentations of emergent issues, and any rebuttals. We will review the accomplishments of this conference, receive any last-minute thoughts you may have, and discuss plans for future conferences.

Questions and answers, and discussions, are a key part of the information exchange we hope to achieve. Time will be allowed after each presentation for questions, and we can arrange for followup discussions if necessary. You are the key to a successful conference and we look forward to your active participation. Thank you for your attendance.

Before I introduce our keynote speaker, are there any questions, I will give you the opportunity for comments or issues from the floor that we can address at this time.