



### Message From the Chair By John Kelly

As you may know, ANS President Tom Sanders, has made Small and Medium-sized Reactors (SMRs) one of his priorities for this year. In January, Tom formed a special committee to address generic licensing issues associated with SMRs. The committee was tasked with identifying the important generic licensing issues and then with developing white papers to propose paths for resolving the issues. Philip Moor is chairing the committee and has been ably assisted by many NISD members. There has been tremendous interest in this committee and it currently has nearly 50 members. Issues being addressed include the following:

- Price Anderson
- NRC fee rules
- Applicability of large light water requirement to SMRs
- Staffing
- Financial Issues: insurance, financial qualifications, decommissioning
- Human factors -- operational issues
- International codes and standards
- Emergency Planning
- Physical security – aircraft impact
- Risk informed and performance based licensing approaches
- Passive Safety systems
- PRA
- Manufacturing licenses
- Multi-module facilities
- Non-electrical generation process heat application
- Prototypes - proximity to industrial processes
- ITAAC process for SMRs

The committee's work has been progressing smoothly and a number of white papers will be completed by the June meeting. We expect this activity to continue during the remainder of 2010. The committee will meet on Sunday at 12:00 pm and a panel session is scheduled on Monday at 2:30 pm to provide a status report on the white papers.

We also have a number of items of interest to our membership at the Annual Meeting. In addition to the usual technical sessions, we are co-sponsoring the Science and Technology of Nuclear Hydrogen Production topical meeting. We want to express our thanks Dan Kueter, Steve Herring, Dana Powers and the entire organizing committee for their efforts on this important topical meeting. Please note that ICAAP'10 is being held concurrently with the Annual Meeting. It is a great pleasure for me to announce that the Division will be awarding the Tommy Thompson award to Dr. David Diamond, Brookhaven National Laboratory, at the Honors and Awards luncheon on Tuesday June 15.

The Division is sponsoring a Professional Development Workshop on source term methodology on Sunday, June 13. We want to thank Jofu Mishima for his leadership in organizing this workshop. I should add that we are always looking for members to organize and teach a professional development workshop and if you have an interest in such, please contact me, and we can help with the logistics.

### Honors & Awards Committee By Phillip Ellison

The NISD will present the 2010 Theos J. (Tommy) Thompson Award for Nuclear Safety to Dr. David Diamond of Brookhaven National Laboratory at the Summer Meeting (June 13-17, 2010). Dr. Diamond's award is in recognition of a lifetime of outstanding contributions to the safe application of peaceful nuclear energy. Dr. Diamond provides leadership and a unique perspective on research and power reactor safety. His work in analyzing accidents, in which neutronics is important sets a high standard for this field. His permutation of reactor analysis and statistics led to many important insights in reactor safety.

The NISD will present the 2010 George C. Laurence Pioneering Award for Nuclear Safety to Dr. B. Raj Sehgal at the Winter Meeting (November 7-11, 2010). Dr. Sehgal is known as an expert on the mitigation of consequences of severe accidents in light water reactors. He, in collaboration with Dr. Cubicciotti, explained why iodine's presence in the containment atmosphere was limited. Dr. Sehgal was Chair of Nuclear Safety at the Royal Institute of Technology (RIT) in Stockholm. At RIT he produced several students who occupy leading positions in national laboratories in Europe and the US. He retired as a full time faculty member in 2005 remaining active in professional circles. Dr. Sehgal travels the world as an invited lecturer on severe accident mitigation.

NISD members are encouraged to attend the awards ceremonies in June and November to welcome their good friends and outstanding colleagues.

Nominations for the two NISD awards - the Theos J. (Tommy) Thompson Award and the George C. Laurence Pioneering Award - may be submitted at any time. To be considered for the NISD awards in the year 2011, the nominations must be received prior to December 1, 2010.

### Program Committee By Steve Schultz

The NISD will have four sessions at the San Diego, CA meeting, as follows:

- Proposed Solutions for SMR Generic Licensing Issues, Mon. p.m.
- Severe Accident Analyses for Current and Advanced Reactors, Tues. a.m.
- Regulatory and Safety Analyses for Severe and Design-Basis Accidents, Tues. p.m.
- Advances in Safety Assessment Methods and Programs, Wed. a.m.

The Preliminary Program for both the Annual Meeting and the embedded Science and Technology of Nuclear Hydrogen Production topical meeting can be accessed through the ANS Website at <http://www.new.ans.org/meetings/>.



## Probabilistic Safety Assessment 2011 By Phillip Ellison

This conference celebrates 30-plus years of Topical Meetings on Probabilistic Safety Assessment and Analysis (PSA) and those individuals who, through insight and individual dedication, have made PSA Technology and the ANS Topical Meetings very successful. The NISD and the Wilmington Area Local Section of the ANS are sponsoring PSA 2011.

The city of Wilmington, NC will host PSA 2011 on March 13-17th 2011. Wilmington, North Carolina, is located in the southeastern United States and has the feel and comfort of a small town but contains all the amenities of an established resort community. Visitors know Wilmington for its beautiful beaches, its historic district and the nearby estuarine reserves that provide a haven for nature lovers.

Don't miss the Wilmington PSA Conference in March 2011 and plan to attend a special panel exploring and highlighting the advances in PSA technology during the past 30 years.

For the call for papers and additional information on PSA 2011 see the conference Website at <http://www.psa2011.org/> or E-mail:

[phil@psa2011.org](mailto:phil@psa2011.org) (organization),  
[dennis@psa2011.org](mailto:dennis@psa2011.org) (technical program),  
[karen@psa2011.org](mailto:karen@psa2011.org) (Hotel/Exhibits/Workshops).

## Scheduled NISD Meetings

All NISD members are welcome to attend the following NISD committee meetings at the June 2010 Meeting in San Diego, CA:

- Executive Committee: Sunday, 7:30 P.M. – 9:00 P.M.  
LOCATION: Royal Palm Salon Six
- Program Committee: Sunday, 4:00 P.M. – 6:00 P.M.  
LOCATION: Royal Palm Salon Six

The Executive and Program Committees invite NISD members to express their interest in serving on those committees, particularly by participation in one or both of the indicated meetings.

Members may also wish to attend the Honors & Award Luncheon on Tuesday June 15, 11:30am-1:00pm in the Golden West. Tickets can be purchased in advance or on-site at the ANS Registration Desk for \$50.

## Student Scholarships Sponsored By NISD

The Saul Levine and Raymond DiSalvo Memorial Scholarships are fully funded. Descriptions of these scholarships can be accessed at the NISD Website (see below for address). Undergraduate students interested in applying for these scholarships can access the Eligibility Requirements and Application Form at <http://www.ans.org/honors/scholarships>.

## NISD 2010 Strategic Plan

The NISD 2010 Strategic Plan has been approved and may be accessed on the NISD Website via the Mission page.

## NISD Website

The NISD Website may be accessed directly at <http://nisd.ans.org> or indirectly at <http://www.ans.org>.



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