



Message From The Chair

This year we have instituted two national awards from our division and two divisional awards to publicly recognize the exceptional contributions of our members. They are the Significant Contribution to the FCWM Mission, Lifetime Achievement, Distinguished Service on behalf of the FCWM Division, and Outstanding Published Work.

After the nomination period ended on April 1, we went through the selection and approval process. As a result, we were able to confer the Lifetime Achievement and Distinguished Service awards to two excellent candidates.

Dr. Jim C. Bresee was bestowed with the Lifetime Achievement award for his extraordinary career that expanded for over 60 years.

The award will be a plaque given at the opening of the plenary session at the ANS annual meeting in Reno on Monday June 15. An article detailing his distinguished and extraordinary career is included in this newsletter and it will be published in RadWaste Solutions and a blog on the FCWMD website or ANS Nuclear Cafe. In addition, the highlights of the award ceremony and a picture with ANS president will be advertised in Nuclear News.

Stephen Turner was honored with the Distinguished service award as a member and former officer in all of the capacities in our

division that has worked diligently over the years for our division business and in particular supporting the participation of students, young members, and the organization of the International High Level Waste Meeting.

An award plaque will be presented to Steve at the FCWMD Executive Committee Meeting during the winter meeting in Anaheim and the award will be advertised at Nuclear News and/or Rad Waste Magazine, and in a blog post on the FCWMD website or the ANS Nuclear Cafe.

The outstanding Published Work award will be selected by our program chair Jef Lucchini at the conclusion of the annual meeting in Reno. A plaque and a monetary amount of \$250 will be will presented at the FC&WMD Program Committee Meeting during the winter meeting in Anaheim and the award will be advertised at Nuclear News and/or Rad Waste Magazine.

We received no nominations for the Significant Contribution to the FCWM Mission. Hopefully, we will have some nominations by April 2015. Once again, I will also encourage nominations for Fellow of ANS, the most prestigious ANS award. Several of our members had received this highest ANS honor but probably not as many as should.

The June annual meeting at Reno is quickly approaching. We have sessions on every day, morning and afternoon; please support our FCW&D with your presence. The solicitation for papers to be presented at the winter meeting in Anaheim is underway. More details



on our division sessions related to the Reno and Anaheim are included in this newsletter.

As always, all members are welcome to contact our division officers and to attend the FCWMD Executive and Program Committee meetings on Sunday at each national meeting. We need your participation and input. Our next meetings are on Sunday June 15 at the Grand Sierra Resort in Reno Nevada starting at noon.

Your feedback on this newsletter, current topics in fuel cycle and FCWMD activities is always most welcome. Please send short articles on your field of work to share with all of our members.

Hope to see you in June in Reno,

Guillermo Daniel DelCul
FCWMD Chair

Award Announcements

Following the announcement of the new awards within the Fuel Cycle and Waste Management Division, a nomination and selection process arrived at awardees for two of the new awards. Note that nominations for the awards can be received at any time, but are due on April 1 each year. For more information, please see fcwmd.ans.org/awards.html.

Lifetime Achievement Award

We are proud to announce that Jim Bresee will be awarded with the Fuel Cycle and Waste Management Division Lifetime Achievement Award [1]. This award recognizes "individuals who have made major lifetime contributions that significantly advanced the scientific, engineering, societal, or regulatory aspects of the nuclear fuel cycle and/or the nuclear waste management mission."



Jim Bresee, right, converses with Edward Teller [2].

Jim Bresee has had a long, fruitful career and has been influential in the field of nuclear fuel cycle and waste management. From his nomination letter:



Jim's outstanding contributions to energy research, and in particular nuclear energy, over his nearly 70-year career are noteworthy. He has made significant contributions in the early days of the PUREX and THOREX process development, as well as development of a number of other alternative separation processes.

His leadership and contributions in the recovery of the 3019 pilot plant facility at ORNL were extremely important to the continued research in the nuclear separations field. Finally, nearly three decades of work directing programs for the OCRWM and Office of Nuclear Energy have resulted in numerous advances and accomplishments directly in support of nuclear fuel cycle and waste management research. Jim Bresee's career is unprecedented in not only the duration of his continued contributions to the field of energy research, but also by his leadership and vision.

Distinguished Service on Behalf of the FCWMD Mission

We are also delighted to announce that Stephen Turner has been selected to receive the Fuel Cycle and Waste Management Award for Distinguished Service on Behalf of the FCWMD Mission [3]. This award recognizes "outstanding participation in the leadership of the Division or in public outreach activities representing the division."



Stephen L. Turner, long standing member and former FCWMD officer in all capacities.

FCWMD is lucky to have a long history of excellent leaders and members. Among these, Stephen Turner has historically been exceptionally important to the growth and vitality of the division and its mission. From his nomination:

Steve Turner has done sustained remarkable work in behalf of the Fuel Cycle and Waste Management Division. Steve as a member and former officer in all of the capacities has worked diligently over the years for the division business and in particular supporting the participation of students, young members, and the organization of the International High Level Waste Meeting.

Indeed, I am compelled to add to this announcement that Steve's support of young members is well known to me. When I (Katy Huff) was an early graduate student, Steve was the FCWMD leader who escorted me through my first ANS President's Reception, introducing me enthusiastically to the leaders in our field. This special introduction to FCWMD really jumpstarted my involvement in the division.



FCWMD Executive Committee

2014 Election Results

The FCWMD election slate for the 2014 – 2015 year included Chair and Vice-Chair roles as well as five executive committee positions. At the ANS annual meeting in Reno, we will welcome the elected members to their new roles.



Chair
Jack D. Law
Department Manager,
Aqueous Separations and
Radiochemistry
Department, Idaho
National Laboratory,
Idaho Falls, ID



Vice Chair
Jeffery R. Brault
Independent Consultant,
Part-Time at Argonne
National Laboratory



Executive Committee
Heather J. MacLean
Chichester
Senior Staff Scientist,
Idaho National
Laboratory, Idaho Falls,
ID



Executive Committee
Steven Eugene Skutnik
Assistant Professor,
Department of Nuclear
Engineering, University
of Tennessee



Executive Committee
Andrew G. Sowder
Senior Technical Leader,
Electric Power Research
Institute, Charlotte, NC



Executive Committee
Terry A. Todd
Laboratory Fellow and
Director, Fuel Cycle
Science and Technology
Division, Idaho National
Laboratory, Idaho Falls,
ID



Executive Committee
Non-US Representative
Man-Sung Yim
Professor and Head,
Department of Nuclear
and Quantum
Engineering, Korea
Advanced Institute of
Science and Technology



2013 TopFuel Conference Hosts 310 Global Fuel Leaders

Contributed By: Jeffrey Bradfute, Peng Xu



The TopFuel meeting is a premier annual global conference that focuses on nuclear fuel technology, operation and management. The meeting brings together leading specialists in the field to analyze advances in nuclear fuel, as well as to use the findings of the latest cutting-edge research to help manufacture the high-performance nuclear fuels of today and tomorrow.

The meeting has been organized by multiple organizations around the world, including the American Nuclear Society (ANS), European Nuclear Society (ENS), Korean Nuclear Society (KNS), Atomic Energy Society of Japan (AESJ), and Chinese Nuclear Society (CNS).

The 2013 TopFuel was held in the Westin Hotel at Charlotte, North Carolina (USA) in last September. The meeting was sponsored by Westinghouse Electric Company and ANS, with

co-sponsors from ENS, KNS, AESJ and CNS. The Fuel Cycle Waste Management Division was the ANS technical division sponsor for the meeting. TopFuel brought 310 leading specialists in the global fuel field to Charlotte, with more than 180 technical papers (6 technical tracks and 27 sessions) presented during the conference.

The technical program of the meeting was strong, and the plenary session was informative, where the U.S. NRC Commissioner Kristine Svinicki was among the plenary session keynote speakers. In addition to Commissioner Svinicki, Garry Miller, senior vice president (Duke Energy Nuclear), and Danny Roderick, president and chief executive officer (Westinghouse), presented during the plenary session. 2013 ANS Congressional Fellow Dr. Vinny Esposito also led a panel discussion during the opening session with leaders from the Institute of Nuclear Power Operations (INPO), U.S. Department of Energy, KEPCO Nuclear Fuel, Électricité de France, and the Idaho National Laboratory.

The lead sponsors of the event, Westinghouse and ANS, worked closely to plan and execute the conference, with support from the Columbia, South Carolina section of ANS. The Executive Committee members included co-Chairs David C. Culp from Duke Energy and José Emeterio Gutiérrez from Westinghouse, the Finance Chair Jeff Bradfute and the Plenary Chair Michele DeWitt from Westinghouse, Jeff Deshon from Electric Power Research Institute (EPRI), and J.T. Kwon, KEPCO Nuclear Fuel Co., Ltd.



Fifteen corporate sponsors, nine of which had exhibits, supported the event as well.

In addition to the welcome reception, poster reception and NASCAR Hall of Fame banquet, the meeting also included a tour of the AP1000® nuclear plant construction project at SC&EG's V.C. Summer Nuclear Generating Station, the first U.S. new plant construction in more than 30 years.

The 2014 TopFuel meeting will be held in Sendai, Japan. For more information, see the conference website [4].

ANS Annual Meeting in Reno

FCWMD sponsored sessions and division meetings occur before and during the annual ANS meeting. The executive, technical, and program committee meetings are essential to division activities. All conference attendees are welcome to attend these meetings, so we hope you'll participate and bring others along.

On behalf of the ANS Fuel Cycle and Waste Management Division, we look forward to seeing you at these great events in Reno, NV.

2014 ANS Meeting: FCWMD Events

Date	Event
6/15, 12:00pm	FCWMD Program Meeting
6/15, 1:00pm	FCWMD Executive Meeting
6/15, 2:30pm	FCWMD Technical and Operating Standards Committee Meeting
6/16 p.m.	SRS Plutonium Disposition Projects Update–Panel
6/17 a.m.	Advanced Fuel Cycle Technology: Special Session in Honor of Dr. Michael Lineberry
6/17 p.m.	Experiments in Used Fuel Disposition, Storage, Transport, and Disposal
6/17 p.m.	Recycle and Reuse of Components from Used Nuclear Fuel
6/18 a.m.	Fuel Cycle Simulators and Systems Analysis
6/18 a.m.	Hybrid Energy: Combining Nuclear and Other Energy Sources
6/18 a.m.	Plutonium Disposition–The Clear and Present Danger, 20 Years Later–Panel
6/18 p.m.	Pu Disposition Alternatives–Panel
6/19 a.m.	Fuel Cycle and Waste Management: General–I, Thurs. a.m.
6/19 a.m.	Proliferation Risk and Sustainability of Nuclear Energy Systems–Panel
6/19 p.m.	Fuel Cycle and Waste Management: General–II



2015 Global Conference



The Global International Fuel Cycle Conference is a bi-annual ANS topical meeting on fuel cycle technologies. It is partially supported by FCWMD and is attended by many FCWMD members annually.

The 2013 Global meeting, chaired by FCWMD member Terry Todd, took place in Salt Lake City, Utah from September 29 – October 5. The meeting location traditionally alternates between a location in the US, a location in Europe, and a location in Asia. The 2015 conference will be held in beautiful Paris, France from September 20th to September 24th.

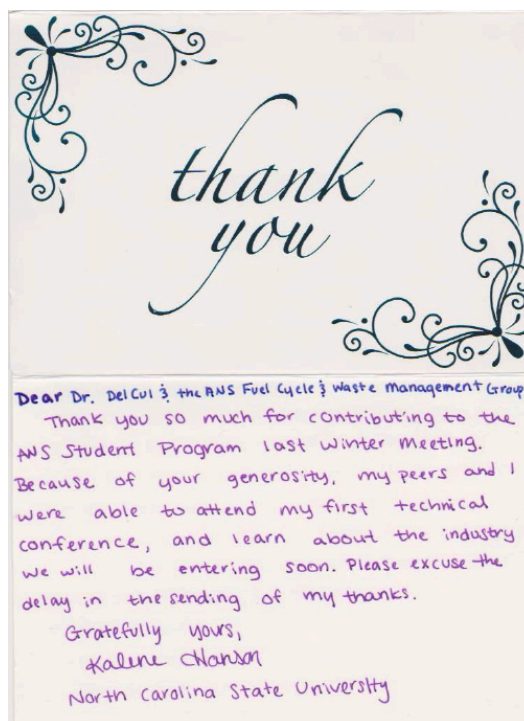
Nearly 400 speaking and poster presentations were given at the 2013 meeting, which was themed “Nuclear Energy at a Crossroads.” The 2015 meeting is organized, by SFEN, the French nuclear energy society and is expected to draw even greater attendance. For more information about Global 2015, please see the flyer, attached as an appendix, and go to the conference website for updates: www.sfen.fr/GLOBAL-2015.

Student Section Support

FCWMD and many other divisions traditionally support the student program for the ANS conference.

This year, the division received many thank you letters from students who attended. We were very pleased to receive these gracious notes. Many appeared in the Winter newsletter.

A recent thank you note appears below. Kalene Hanson of North Carolina State University says ANS was her first technical conference. The letter gives an indication of the impact of our efforts to support the student sections of ANS.





Michael J. Lineberry



This spring, FCWMD was saddened to lose one of its most devoted and long-standing members, Prof. Michael J. Lineberry.

He was a lively and enthusiastic contributor to nuclear fuel cycle and waste management research, a champion for education, and will be missed by all who knew him.

Additional information can be found at his online obituary [5].

Newsletter Prepared by
Katy Huff
FCWMD Secretary-Treasurer

References

- [1] FCWMD Lifetime Achievement Award.
http://fcwmd.ans.org/docs/award_lifetime.pdf
- [2] ORNL: The First 50 Years, Chapter 5:
Balancing Act. Oak Ridge Review, Vol. 25, Nos.
3 and 4.
- [3] FCWMD Distinguished Service Award
[http://fcwmd.ans.org/docs/award_dist_service.p
df](http://fcwmd.ans.org/docs/award_dist_service.pdf)
- [4] TopFuel 2014.
<http://web.apollon.nta.co.jp/WRFP2014>
- [5] Online Obituary, Michael J Lineberry.
[http://www.legacy.com/obituaries/idahostatejo
urnal/obituary.aspx?pid=170060413](http://www.legacy.com/obituaries/idahostatejournal/obituary.aspx?pid=170060413)

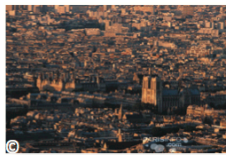


GLOBAL 2015

Paris, France

September 20-24, 2015

Announcement



Palais des Congrès de Paris
2 place de la Porte Maillot
75017 Paris - France

> **Event Contact:**
global2015@sfn.fr

> **Program Chair:**
bernard.boullis@cea.fr



Visit us at: www.sfn.fr/GLOBAL-2015

International Scientific Event

The Largest Dedicated Forum for Experts and Managers
Involved in the Nuclear Fuel Cycle from Mine to
Recycling and Disposal

Organized by **SFEN**
French Nuclear Energy Society

Sponsored by AESJ, ANS, KNS

General Chair: Christophe Béhar, CEA
Program Chair: Bernard Boullis, CEA



***"Come to Paris, The City of Light
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Fuel cycle is a key-issue in the perspective of sustainable nuclear systems, to meet tomorrow's energy needs.

After the successful French GLOBAL 2009 event, the 2015 edition will come back to Paris and will give a unique opportunity to get a complete view of nuclear fuel cycle, in line with the GLOBAL Conference series, now well-established as the most important forum in this field.

GLOBAL 2015 should provide an outstanding opportunity to get informed about the state of the art technology and most recent technical advances, to share visions with high level experts

and stakeholders from all around the world, maintaining the spirit of the Conference series... A GLOBAL approach!

All along the four days of the Conference and Exhibition, both plenary and parallel technical sessions will address a wide range of topics:

- Current industrial operation, research and innovation
- Crosscutting topics, including social and institutional issues...

We welcome your input and suggestions for Global 2015 and will need your participation in organizing and technical committees.



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