



## Your FCWMD Leadership Team

We all thank you for being a member of the ANS FCWMD. We look forward to meeting and working with you. Please don't hesitate to reach out to us with suggestions or if you'd like to get involved.

### Officers

Jean-Francois (Jef) Lucchini – Chair

Jared A. Johnson - Vice Chair

Maryanne Stasko – Secretary /Treasurer

Stephanie H. Bruffey – Technical Program Chair

Andrew Sowder — Immediate Past Chair

### Executive Committee *(Terms Expiring)*

Sven O. Bader (2021)

Bob Borrelli (2021)

Amanda Casella (2019)

Jack Law (2021)

Christina Legett (2019)

Fiona Rayment (2020)

Everett L Redmond II (2020)

Nicholas V. Smith (2020)

Ruth F. Weiner (2019)

Jinsuo Zhang (2019)

### Visit our Website

[fcwmd.ans.org](http://fcwmd.ans.org)

### Contact us

[fcwmd.ans.org/contact-us](http://fcwmd.ans.org/contact-us)

## A Message from the Officers

Dear FCWMD Members,

Have you ever realized all the things FCWMD provides you every year, and particularly this year?

I selected just three of these for you below. You can check the Division and/or the Society website for more benefits and opportunities your ANS FCWMD membership gives you.

- Two special Awards (Lifetime Achievement and Significant Contribution) to recognize the professional service and career achievement of exceptional individuals (or team of individuals) in our field.

You don't know any "exceptional" individuals? ...Really? ...Let's see... Maybe a professor who inspired you? A colleague or a manager who challenged you, guided you, lead you in your project, your work, your key publication? Those are certainly the people you could nominate! The nomination deadline was extended to May 24 for this year. If you missed it, be prepared for next year!

- Multiple financial supports and sponsorships: the John Randall and Michael J. Lineberry Memorial Scholarships, the ANS Student Conference, the ANS Center for Nuclear Science and Technology Information (CNSTI), etc.

See herein a few thank you letters we received. Every year, FCWMD spends more than one third of its budget to education, communication and outreach activities through the Society. Because two main objectives of the ANS are to excel in engaging and informing the public and students, and to advocate for nuclear technology. As a leading ANS Division, FCWMD is of course present in these key activities.

- Plentitude of technical sessions, at ANS Annual and Winter meetings and Topical meetings, featuring the most important and studied topics in our field!

Just at the upcoming ANS Annual meeting alone, FCWMD will again be the most prolific Division by organizing 10 different sessions! Check them out in the list provided in these newsletter or in the Annual meeting program.

This year, your Division has been particularly active with the organization of two Topicals. After the International High-Level Radioactive Waste Management 2019 in Knoxville, TN a few weeks ago, we are gearing up for the GLOBAL /Top Fuel 2019 meeting in Seattle in September. It is not too late for you to benefit from the Early Bird fee on your registration, and book your flight to the largest city of Washington State (By the way, you may want to check out the festivals that will be going on there the weekend prior to the conference... Just a friendly tip!).

Be well aware that all of these benefits and opportunities would not exist without your membership, your contribution to meetings, and the commitment of a few to serve! If you have never volunteered to help with ANS or your Division activities, it is the moment to do so: the involvement is minimum, but the recompense and the satisfaction to serve are big! Come and attend the FCWMD Program and Executive Committee meetings on June 9 at the Annual meeting in Minneapolis, MN! We are looking forward to your participation and inputs!

Best,

Jef Lucchini,  
 FCWMD Chair

## MISSION

The Fuel Cycle and Waste Management Division (FCWMD) is devoted to all aspects of the nuclear fuel cycle including waste management, worldwide. Division specific areas of interest and involvement include uranium conversion and enrichment; fuel fabrication, management (in-core and ex-core) and recycle; transportation; safeguards; high-level, low-level and mixed waste management and disposal; public policy and program management; decontamination and decommissioning environmental restoration; and excess weapons materials disposition.

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# FCWMD Election Results

**Congratulations to our Incoming Officers! Thank you for volunteering to lead FCWMD!**

**Chair:**

Jared Johnson

**Vice Chair:**

Sven Bader

**Secretary/Treasurer:**

Raluca O. Scarlat

**Executive Committee:**

Christina J. Leggett (re-elected)

John H. Kessler

Benjamin B. Cipiti

April Smith

**Immediate Past Chair:** Jef Lucchini

A heart-felt thank you to those whose terms expire at the conclusion of the National Meeting:

Amanda Casella

Ruth F. Weiner

Jinsuo Zhang

Officers term begins at the conclusion of the June National Meeting. Those interested in being nominated for the Executive Committee or an officer position please email us! We are always looking for volunteers to help with governance, program suggestions, and membership engagement.

# FCWMD Support in Action

## **Congratulations to our 2019 Student Conference FCWMD winners!**

Brittany Bolz, Christopher Schenkelberg (Missouri University of Science and Technology)

Storage Solution for General Atomics Prismatic Hexagonal Block Fuel

Joseph Ferrel, James Sineath (North Carolina State University)

Manual Core Optimization Using PRISM and Coupling with FORMOSA

## Student Program Support - The Positive Impact We Bring

Dear All,

I am grateful to you all for sponsoring travel expenses of students like me for opportunity to attend such a prestigious and informative conference. I am very glad to be part of ANS Winter 2018 Conference. The conference inspired me to pursue more research work and attend many of such conferences. Being an international student, money can be a little burden. But thanks to you, for helping me further progress, gain knowledge and experience.

It is support of my University, my Professor, the U.S government grants and opportunities funded by supporters like you, which help me continue my career in academics and research work.

Thank You once again. I hope to see you in next conferences.

Yours Faithfully,

Soumitra Vadnerkar,  
Graduate Research Assistant  
Dept. of Mechanical & Industrial Eng.  
Texas A&M University- Kingsville, TX

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Dr. Lucchini

I would like to say a very big thank you for making the funding of travel grant for students who took part in the student program for this year's American Nuclear Society's Winter meeting a success through your contribution to the ANS Professional Division.

In addition to fact that it will ease the financial burden on me this semester, it gave me the chance to participate in this year's ANS Winter meeting where I got the chance to interact with intellectuals in this field from around America to expand my horizons.

Once again thank you.

Kind regards

Elizabeth Eniiwan Bahiise  
Graduate Student  
Texas A&M University-Kingsville

June 9-13, 2019  
Hyatt Regency Minneapolis  
Minneapolis, MN

## 2019 ANS Annual Meeting

### The Division has a total of 13 sessions...

1. The WIPP-20th Anniversary – Panel
2. Advances in Off-Gas Management of Fuel Cycle Operations
3. University Research in Fuel Cycle and Waste Management—I
4. University Research in Fuel Cycle and Waste Management—II
5. Advancement of On-Line Monitoring Systems for Operations in Nuclear Fuel Recycling Applications,
6. Challenges Associated with Material Transport into and Waste Removal from Hot Cell R&D Facilities Worldwide – Panel
7. Recycle and Reuse of Used Nuclear Fuel Resources
8. Progress in Consolidated Interim Storage and Next Steps – Panel
9. The Importance of Future Fuel Cycle Options in Addressing Growing Worldwide Energy Demand – Panel
10. Prospects for a Commercial High-Assay Low Enriched Uranium Supply to Support Advanced Reactors and Advanced LWR Fuel Applications – Panel
11. Molten Salt Chemistry and Corrosion
12. Fuel Cycle and Waste Management: General—I
13. Fuel Cycle and Waste Management: General—II

**... for you to attend!**

Visit: <http://www.ansannual.org>

### *How to Propose Conference Sessions*

Stephanie Bruffey of Oak Ridge National Laboratory is our Program Chair, and she welcomes your suggestions. Any member can propose, organize or chair a session at an ANS meeting, just follow the steps below. You have a great idea but don't want to chair the session? That's OK; we probably have another member willing to help out.

1. Write a title and a 100-word description about the intended session/topic. Specify if it will be a panel or paper session.

2. Submit the summary at the Program

Committee meeting or send it to anyone on the leadership team to represent it for you. Sessions are decided on a year in advance. During the upcoming ANS National meeting, we will choose sessions for the 2020 National meeting .

3. Solicit experts to submit summaries by the deadline (usually about six months in advance) of the meeting in which the session will occur.

### *Did you know?*

Among the 15 ANS Divisions that proposed sessions at the 2018 Winter meeting in Orlando, FL, your FCWM Division offered 9 sessions and 28 papers.

Our last two national meetings were also very prolific: 10 sessions and 42 papers at the 2018 Annual meeting, 11 sessions and 31 papers at the 2017 Winter meeting .

Way to go, FCWMD!

*2019 Annual Meeting  
Minneapolis Minnesota  
The Value of Nuclear*



We would love to meet you!

Please join us at the Program or Division Meeting Sunday!

Check the program for time and location.

Submit your Meeting Photos for inclusion in the  
newsletter and on the website!

Upcoming Topical Meetings

GLOBAL/TOPFUEL 2019  
September 22-27, 2019, Seattle, WA

# Hot and Sunny in Orlando!



BEWARE of  
SNAKES and  
ALLIGATORS...



# Treasurer's Report

By Maryanne Stasko

*maryanne.stasko@duke-energy.com*

The 2018 fourth quarter financials were received from ANS Headquarters. FCWMD fund balance is \$61479.

The upcoming major 2019 expenditures are:

- Navigating Nuclear support (formerly our Radwaste Magazine support)
- Congressional Fellow support
- Teacher Workshop support
- NEED Scholarship support

The first quarter FCWMD opted to add approximately \$650 to the Randall Scholarship to cover a shortfall in earnings. This is required at times when the three-year rolling average calculation includes a lower than expected investment percentage.

A draft 2020 budget will be submitted in September to ANS Headquarters.

The FCWMD financial health remains strong, thanks in part to the membership support of the topical meetings which we sponsor and co-sponsor.

It's been a pleasure serving as your Secretary/Treasurer.

Thank you!

# Membership

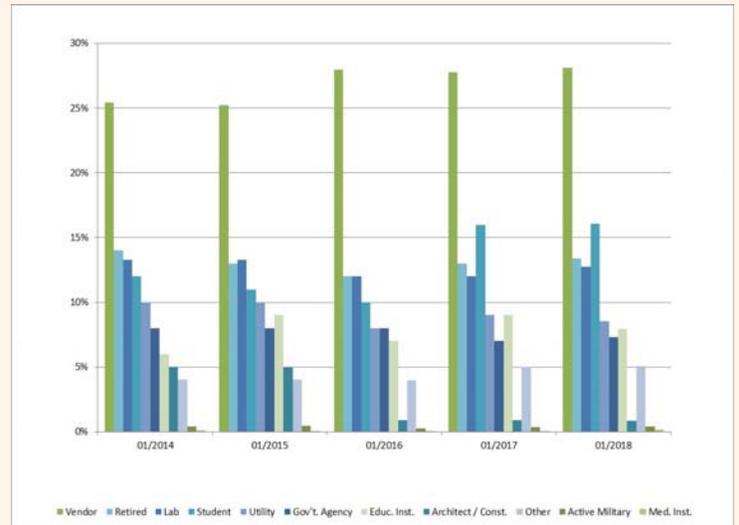
By Maryanne Stasko

*maryanne.stasko@duke-energy.com*

Membership numbers for FCWMD are produced at the end of the year. As a reminder, ANS includes two division affiliations with your annual membership. We are glad you chose FCWMD!

FCWMD membership represents 22.8% of the total ANS membership. The graph below shows the membership of FCWMD by industry since 2014. Vendors, Labs, Retired, and Students categories remain strong contributors.

We encourage you to share your ANS experience with those who are not current ANS members!



## American Nuclear Society

### Fuel Cycle & Waste Management Division

April, 2019

Fuel Cycle and Waste Management Division  
Newsletter

Maryanne Stasko, FCWMD Secretary

FCWMD website: <http://fcwmd.ans.org/>