



Division of Nuclear Chemistry and Technology
American Chemical Society

DNCT WWW Home Page – <http://www.cofc.edu/~nuclear>

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DAWN A. SHAUGHNESSY, 2009-2011

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Members-at-Large, Executive Committee

ALICE C. MIGNEREY, 2009-2011

DAVID MORISSEY, 2007-2009

NEWSLETTER

January 2009

Newsletter Editor: Lætitia Delmau

Email: dnct.newsletter@yahoo.com

Topics

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> **UPCOMING NATIONAL MEETINGS**

> **ELECTIONS RESULTS**

> **DOE SELECTS MSU TO DESIGN AND ESTABLISH FRIB**

> **SUMMER SCHOOL**

FROM THE CHAIR – *Mark Stoyer*

As incoming chair of DNCT for 2009, I'd like to officially thank 2008 chair Roy Lacey for all of his hard work last year. Programming at the national meetings will be hard to top. I look forward to working this year on behalf of the members of DNCT.

I would like to congratulate this year's Glenn T. Seaborg Award for Nuclear Chemistry winner, Dr. Kenton J. Moody from LLNL. Ken is being recognized for his work in heavy element chemistry and nuclear forensics. A very interesting symposium has been organized in his honor at the Salt Lake City meeting in March along with a symposium on Nuclear Forensics.

The Spring 2009 program in Salt Lake City, UT is fixed with symposia found below.

As always we continue to look for programming suggestions for future meetings. Feel free to contact Silvia Jurisson with your ideas for 2010!

I look forward to seeing everyone in Salt Lake City in March.

Mark A. Stoyer
2009 Chair, DNCT

Salt Lake City, UT, March 22-26, 2009

Atom-at-a-Time Chemistry (Oral symposium #11956.) Sponsored by Division of Nuclear Chemistry & Technology, *co-sponsored with NANO*, Organizer: Roger A Henderson, Chemistry, Materials, Earth, and Life Sciences, LLNL, PO Box 808, L-236, Livermore, CA 94551, Phone: 925-422-0446, Fax: 925-423-1026, henderson55@llnl.gov

The Glenn T. Seaborg Nuclear Chemistry Award Symposium in honor of Kenton J. Moody (Oral symposium #11958) Sponsored by Division of Nuclear Chemistry & Technology. Organizers: Dawn A. Shaughnessy, Chemistry, Materials, Earth, and Life Sciences, Lawrence Livermore National Laboratory, 7000 East Avenue, L-236, Livermore, CA 94550, Phone: 925-422-9574, Fax: 925-423-1026, shaughnessy2@llnl.gov. Ken Czerwinski, Department of Chemistry, University of Nevada, Las Vegas, 4505 Maryland Parkway, Box 454003, Las Vegas, NV 89154-4003, Phone: 702-895-0501, czerwin2@unlv.nevada.edu

Nuclear Forensics (Oral symposium #11957) Sponsored by Division of Nuclear Chemistry & Technology, *co-sponsored with IEC* Organizers: Glenn A. Fugate, Savannah River Site, Savannah River National Laboratory, Building 735A, Aiken, SC 29808, Phone: 803-725-1590, Fax: 803-725-4478, Glenn.Fugate@srnl.doe.gov. Judah I Friese, National Security Division, Pacific Northwest National Laboratory, 902 Battelle BVD PO Box 999, Richland, WA 99352, Phone: 509-376-1621, judah.friese@pnl.gov

Nuclear Structure Using Rare Reactions (Oral) Organizers: I-Yang Lee, Nuclear Science Division, Lawrence Berkeley National Laboratory, Building 88, 1 cyclotron Rd, Berkeley, CA 94720, Phone: 510-486-5727, Fax: 510-486-7983, iylee@lbl.gov. Mark A. Stoyer, N Division, Lawrence Livermore National Laboratory, L-414, Livermore, CA

94550, Phone: 925-423-3079, mastoyer@llnl.gov

UPCOMING NATIONAL MEETINGS

Washington, DC, August 16-20, 2009

The Fall 2009 program in Washington, DC is shaping up nicely. Currently planned symposia include:

Actinide Chemistry, **LOOKING FOR AN ORGANIZER!!!**

Molecular Imaging

Cosponsored with INOR[†]

Alan B. Packard, Division of Nuclear Medicine and Department of Radiology, Children's Hospital Boston/Harvard Medical School, 300 Longwood Ave, Boston, MA 02115, Phone: 617-355-7539, Fax: 617-730-0619, alan.packard@childrens.harvard.edu

Nuclear Chemistry in Neutrino Research

Richard L. Hahn, Chemistry Department, Brookhaven National Laboratory,*, Building 555, Upton, NY 11973-5000, Phone: 631 344 4337, Fax: 631 344 5815, hahn1@bnl.gov. Minfang Yeh, Department of Chemistry, Brookhaven National Laboratory, Upton, NY 11973, Phone: 631-344-2870, Fax: 631-344-5815, yeh@bnl.gov

Nuclear Chemistry's Academic Infrastructure

Jeffrey C. Bryan, Department of Chemistry, University of Wisconsin – La Crosse, La Crosse, WI 54601, Phone: 608-785-8271, bryan.jeff@uwlax.edu

Nuclear Diagnostics in Fusion Energy Research

T. Craig Sangster, Laboratory for Laser Energetics, Rochester, NY 14623, Phone: (585) 273-2350, csan@lle.rochester.edu. Mark A. Stoyer, Physics Division, Lawrence Livermore National Laboratory, L-414,

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Nuclear Energy and the Environment

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Bruce J. Mincher, Aqueous Separations and
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533-4207, bruce.mincher@inl.gov. Marsha J.
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Falls, ID 83403, Phone: 208-533-7051, Fax:
208-533-7755, Marsha.Lambregts@inl.gov

Radioactive Nuclear Beams **ALSO LOOKING FOR AN ORGNIZER!**

Recent Advances and Future Directions in Modern Nuclear Science: Graduate Student Research

Brian A. Powell, Department of
Environmental Engineering and Science,
Clemson University, 342 Computer Court,
Anderson, SC 29625, Phone: (864)656-1004,
bpowell@clemson.edu. Corina Andreoiu,
Nuclear Science, Simon Fraser University,
8888 University Drive, Vancouver, BC V5A-
1S6, Phone: 778-782-3946, Fax: 778-782-
3765, corina_andreoiu@sfu.ca. Jiangyong Jia,
Department of Chemistry, State University
of New York at Stony Brook, Stony Brook,
NY 11794-3400, Phone: 631-632-7905,
jjia@bnl.gov

Symposium in Honor of P. Jeffrey Hay

Aurora Clark, Department of Chemistry,
Washington State University, PO Box
644630, Pullman, WA 99164-4630, Phone:
(509) 335-3362, auclark@wsu.edu

ELECTIONS RESULTS – Frank Kinard

Nearly 150 Division members voted in the
2009 election. The following new officers
were elected:

Vice-Chair Elect, 2009 / Program Chair, 2011

Michael G. Bronikowski

Savannah River National Laboratory
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Aiken, SC 29808
Phone: 803-725-1669
michael.bronikowski@srnl.doe.gov

Alternate Councilor, 2009 - 2011

Dawn A. Shaughnessy

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Chemistry, Materials, Earth, and Life Sciences
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*Member-at-Large, Executive Committee,
2009 - 2011*

Alice C. Mignerey

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A listing of all officers and their contact
information can be found on the Division web
page at

<http://www.cofc.edu/~nuclear/officers.html>.

DOE SELECTS MSU TO DESIGN AND ESTABLISH FRIB

From Paul Mantica:

The planned Facility for Rare Isotope Beams
(FRIB) will be a world leading research
facility to advance understanding of rare
isotopes and the evolution of the cosmos. The
U.S. Department of Energy (DOE) has
selected Michigan State University (MSU) to

design and establish FRIB. The new facility – expected to take about a decade to design and build and to cost an estimated \$550 million - will provide research opportunities for an international community of approximately 1000 university and laboratory scientists, postdoctoral associates, and graduate students. Additional details regarding the FRIB facility are available from the official DOE press release: <http://www.energy.gov/news/6794.htm>

SUMMER SCHOOL

From Paul Mantica:

1. 2008 Outstanding Students

Nick Sharp from the University of Missouri (SJSU) and Julie Spector from Brown University were named the Outstanding Students for the 2008 Nuclear and Radiochemistry Summer Schools. Nick and Julie have been invited to attend the 237th National Meeting of the ACS in Salt Lake City in March 2009.

They will be recognized for their accomplishments at the DNCT Business Meeting on Monday Evening, March 23rd. Congratulations Julie and Nick!

2. Recruiting for 2009 Summer Schools

Recruiting activities for the 2009 Summer Schools are in full swing. The application deadline is February 1, 2009.

The six-week Summer School program is an INTENSIVE undergraduate introduction to nuclear science and applied technologies. The programs will be held at Brookhaven National Laboratory and San Jose State University from Sunday, June 14, 2009 through Saturday, July 25, 2009.

Application materials are available on-line at the Summer School website:

<http://www.cofc.edu/~nuclear/nukess.html>

A recruiting poster can be downloaded in .pdf format for printing at:

http://www.nsl.mscl.edu/~mantica/2009_SummerSchoolFlyer.pdf

The Summer Schools are limited to 12 students at each site. Announcement of awards will be made in mid March 2009.

Fellowships include a stipend (\$3,700), all tuition and fees, transportation to and from the Summer School locations, housing, books, and laboratory supplies. Transferable college credit will be awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

Candidates should be undergraduates who will be starting their junior or senior year in the Fall of 2009. They should have completed at least two years of chemistry, one year of physics, and one year of calculus. Preference will be given to rising seniors. Applicants must be U.S. citizens. Please encourage your undergraduate students to apply to this very rewarding preparatory program.

Questions, comments, or concerns regarding the summer school program should be directed to:

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Radiochemistry Summer Schools
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