

Universities Offering M.S. and Ph.D. Programs in Nuclear and Radiochemistry¹

Auburn University

Albrecht-Schmitt, Thomas Edward



e-mail: albreth@auburn.edu

Research group URL: http://www.auburn.edu/cosam/departments/chemistry/faculty_staff/albrecht-schmitt/index.htm

Research areas: Inorganic chemistry, solid state chemistry

Research interests: Structure-property correlations in new materials with extended structures containing lanthanides and actinides. We are particularly interested in preparing acentric and open-framework structures with applications in nonlinear optics and ion-exchange.

Number of graduate students in group currently: 6

Number of graduate students accepted yearly: 2

Degrees offered by university: Ph.D. and M.S.

Gorden, Anne (Annie) Elizabeth Vivian



e-mail: gordeae@auburn.edu

Research group URL: <http://www.auburn.edu/cosam/agorden>

Research areas: Inorganic chemistry, Organic chemistry

Research interests: Interests include Molecular Recognition, Environmental Chemistry, and Actinide Coordination Chemistry, in the design and synthesis of organic ligands for the selective extraction of heavy metals or other compounds of concern to environmental or health protection.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: 1 or 2

Degrees offered by university: Ph.D. and M.S.

¹ Compiled from DGRweb (<http://dgr.rints.com/index.cfm>), individual websites, and personal information

Carnegie Mellon University

Karol, Paul Jason



e-mail: pk03@andrew.cmu.edu

Research group URL: <http://www.chem.cmu.edu/groups/karol/>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Nuclear and physical chemistry. Investigation of high-energy nuclear reaction mechanisms such as spallation and fragmentation and application to ultrarelativistic cosmic-ray propagation. Development of rapid radiochemical separation techniques. Theory of column chromatography and applications to physicochemical studies. Positronium quenching models.

Number of graduate students in group currently: None

Number of graduate students accepted yearly: None

Degrees offered by university: Ph.D. and M.S.

Clemson University

DeVol, Timothy A.



e-mail: devol@clemson.edu

Research group URL: <http://www.ces.clemson.edu/ees/devol/index.html>

Research areas: Nuclear Environmental Engineering and Science, Environmental Health Physics

Research interests: Dr. DeVol's major teaching and research interests are in the detection and measurement of ionizing radiation in the environment. He teaches courses in radiation and health physics, ionizing radiation detection and radioactive waste management. His current research interests are in the areas of environmental monitoring of ionizing radiation and the usage of ionizing radiation for elemental analysis.

Number of graduate students in group currently: 4 Ph.D. and 3 M.S.

Number of graduate students accepted yearly: 2-4

Degrees offered by university: M.S. and Ph.D. in Environmental Engineering and Science (with either an Environmental Health Physics or Environmental Radiochemistry focus)

Fjeld, Robert A.



e-mail: fjeld@clermson.edu

Research group URL: <http://www.ces.clemson.edu/ees/fjeld/index.html>

Research areas: Environmental Engineering

Research interests: Dr. Fjeld's major teaching and research interests are in the environmental aspects of nuclear technologies. He teaches courses in radiation and health physics, radioactive waste management, radiation measurements, and risk assessment. In general, his research activities have focused on the transport and measurement of radionuclides in the environment. Current research projects include the development of a technique for measuring radionuclides in environmental and waste samples, studies on the behavior and sub-surface transport of radionuclides at Department of Energy sites, and the use of risk assessment in environmental decision-making.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Powell, Brian A.



e-mail: bpowell@clermson.edu

Research group URL: <http://people.clemson.edu/~bpowell/>

Research areas: Environmental Engineering, Earth Sciences, and Environmental Radiochemistry

Research interests: Dr. Powell's major teaching and research interests are in the fields of environmental radiochemistry, actinide chemistry, geochemistry, geochemical reaction modeling, and contaminant fate and transport. Dr. Powell's current research focuses on actinide interactions with natural soils and synthetic minerals through surface complexation modeling and determination of sorption/desorption and oxidation/reduction rates. He teaches courses in environmental radiation measurements, environmental actinide chemistry, and geochemical reaction modeling.

Number of graduate students in group currently: 4

Number of graduate students accepted yearly: 1-2

Degrees offered by university: M.S. and Ph.D.

Dalhousie University

Chatt, Amares



e-mail: a.chatt@dal.ca

Research group URL: http://chemistry.dal.ca/Faculty/Professors/Chatt%2C_Amares.php

Research areas: Analytical chemistry, nuclear chemistry

Research interests: Nuclear analytical and speciation methods; trace elements in biological, environmental, epidemiological, nutritional, and oceanographic materials; protein-bound trace elements; americium, neptunium, plutonium and technetium species in radioactive waste.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Eastern Michigan University

Rengan, Krishnaswamy



e-mail: krish.rengan@emich.edu

Research group URL: <http://chemistry.emich.edu/people/rengan.htm>

Research areas: Nuclear chemistry

Research interests: Current research interests are in the study of short-lived fission products and in the application of neutron activation analysis to environmental samples.

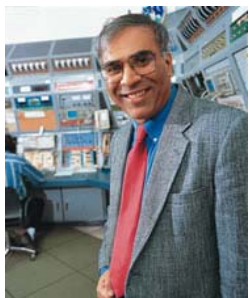
Number of graduate students in group currently:

Number of graduate students accepted yearly: 1-2

Degrees offered by university: M.S.

Indiana University

de Souza, Romualdo T.



e-mail: rdesouza@indiana.edu

Research group URL: <http://desouza.chem.indiana.edu/>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Onset of multifragmentation; nuclear eq. of state studies; nuclear temperature measurements; two particle interferometry; investigating the dynamics of intermediate energy heavy-ion reactions; study of proton-rich and neutron radioactive nuclei.

Number of graduate students in group currently: 3

Number of graduate students accepted yearly: 1 or 2

Degrees offered by university: Ph.D. and M.S.

Michigan State University

Mantica, Paul Francis



e-mail: mantica@nscl.msu.edu

Research group URL: <http://www.cem.msu.edu/~mantica/>

Research areas: Nuclear chemistry

Research interests: Study of decay processes of nuclei far from stability. Investigating shapes and structures of nuclei at and near their ground states.

Number of graduate students in group currently: We currently have 8 nuclear chemistry students in the graduate program at Michigan State

Number of graduate students accepted yearly: Our program is actively recruiting students. On average, we are looking for 3 new students each year.

Degrees offered by university: The MSU program provides both M.S. and Ph.D. degrees in both Chemistry and Chemical Physics. Students that become candidates for the Ph.D. Degree are supported year-round on research assistantships. Students enrolled in the M.S. program typically are not provided research support, but, if eligible and in good academic standing, they can be supported by the Chemistry Department by way of teaching assistantships.

Bickley, Abigail A.



e-mail: bickley@nscl.msu.edu

Research group URL: <http://www.nscl.msu.edu/~bickley/>

Research areas: Nuclear chemistry

Research interests: My research interests revolve around studying the properties of nuclear matter over a wide range of temperatures and energy densities. The relationship between the environmental conditions a nucleus is subjected to and the properties it exhibits is governed by the equation of state of nuclear matter. In the laboratory setting, collisions of heavy nuclei allow the density of the system to be controlled and provide a window through which we can observe the properties of the nucleus. The particles produced in the collision of asymmetric nuclei provide constraints on our understanding of the nuclear equation of state. Our experimental work is performed at National Superconducting Cyclotron Laboratory (NSCL), which is adjacent to the Chemistry Department. The facilities available at NSCL provide a unique opportunity for studying the symmetry energy through the collision of rare isotopes. These capabilities allow constraints to be made to the nuclear equation of state that are vital to the advancement of our understanding of astrophysical processes related to neutron stars and supernova explosions and to the understanding of the binding of nuclei away from the valley of stability.

Number of graduate students in group currently: 3

Number of graduate students accepted yearly: ~1

Degrees offered by university: M.S. and Ph.D. degrees in both Chemistry and Chemical Physics.

Morrissey, David Joseph



e-mail: morrissey@nscl.msu.edu

Research group URL: <http://www.cem.msu.edu/~djm/>

Research areas: Nuclear chemistry

Research interests: Nuclear chemistry; experimental investigations of heavy ion induced nuclear reactions; radioactive beam production; projectile fragmentation processes; isotope production by new mechanisms.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Oregon State University

Loveland, Walter David



e-mail: lovelanw@onid.orst.edu

Research group URL: <http://oregonstate.edu/dept/nchem/>

Research areas: Nuclear chemistry

Research interests: Studies of nuclear reactions, induced by low energy, intermediate energy, and high energy heavy ions, chemistry and physics of the transuranium elements.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: No limit but usually less than 2 per year

Degrees offered by university: Ph.D. and M.S.

Paulenova, Alena



e-mail: alena.paulenova@oregonstate.edu

Research group URL: <http://oregonstate.edu/~paulenova/>

Research areas: Radiochemistry, nuclear chemistry

Research interests: Fundamental chemistry of actinides and fission products; modeling of chemical speciation in solutions; thermodynamics and kinetics of radiochemical processes; new ligands and methods for metal separations and radiochemical sensors; interface interactions in solutions and nanochemistry; new materials for waste management; radiolysis; environmental and biomedical applications of radiotracers.

Number of graduate students in group currently: 6 (4 Ph.D. and 2 M.S.)

Number of graduate students accepted yearly: 1-2

Degrees offered by university: Ph.D. and M.S.

Pittsburg State University

Blatchley, Charles C.



e-mail: cblatchl@pittstate.edu

Research group URL: <http://www.pittstate.edu/phys/Faculty/blatchley/chuckspage.htm>

Research areas: Nuclear chemistry

Research interests: Lubrication and tribology using surface layer activation (accelerator induced radioactivity markers and tracers). Currently investigating radionuclide changes in minerals induced by radiation from nearby supernova or gamma ray bursts.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: No more than 2

Degrees offered by university: M.S.

Rochester Institute of Technology

Tubbs, Laura Ellen



e-mail: letsch@rit.edu

Research group URL: <http://www.rit.edu/cos/chemistry/resources/people/faculty/tubbs.html>

Research areas: Biochemistry, nuclear chemistry

Research interests: Proteomic analysis of protein responses to environmental contaminants; development of carcinogen screening methods.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Andreoiu, Corina



e-mail: corina_andreoiu@sfu.ca

Research Group URL: <http://www.sfu.ca/chemistry/groups/andreoiu/>

Research areas: Nuclear chemistry

Research interests: Nuclear Science at Subatomic Level; Experiments with Stable and Radioactive Beams; Nuclear Chemistry of Stars (Nuclear Astrochemistry)

Number of graduates in group currently: None

Number of graduates in group accepted yearly: 1 every year

Degree offered by university: M.S. and Ph.D

Starosta, Kris



e-mail: starosta@gmail.com

Research group URL: under construction

Research areas: Nuclear chemistry

Research interests: Existence, structure, lifetimes, excitation modes, shapes and other properties of radioisotopes far from the line of stability. My intention is to initiate in the fall of 2009 an in-house experimental program at the Chemistry Department at Simon Fraser University concentrated on studies of neutron-rich isotopes populated from spontaneous and neutron-induced fission. This program will be then expanded through collaboration with the current and future leading nuclear science laboratories, first ISAC-II at TRIUMF, the National Superconducting Cyclotron Laboratory at Michigan State University and ATLAS at Argonne National Laboratory. The main goal of the program is to obtain information on isotopes which are critical to one of the most exciting question of modern nuclear science, namely "cosmo-chemistry" i.e. creation of elements beyond iron in stellar processes.

Number of graduate students in group currently: The group will initiate research program in the fall of 2009. It will be built up to 3-4 graduate students.

Number of graduate students accepted yearly: No limit but usually less than 2 per year

Degrees offered by university: M.S. and Ph.D.

State University of New York at Stony Brook

Lacey, Roy A.



e-mail: roy.lacey@sunysb.edu

Research group URL: <http://www.sunysb.edu/chemistry/faculty/rlacey.htm>

Research areas: Nuclear chemistry

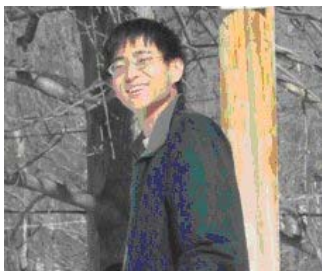
Research interests: Nuclear reaction studies; Relativistic heavy ion reactions; Equation of state for hot QCD matter.

Number of graduate students in group currently: 6

Number of graduate students accepted yearly: 1-2

Degrees offered by university: Ph.D.

Jia, Jianguo



e-mail: jjia@bnl.gov

Research group URL: <http://www.sunysb.edu/chemistry/faculty/jjia.htm>

Research areas: Nuclear Chemistry

Research interests: Our research focuses on studying the properties of Quark Gluon Plasma and is carried out at the Relativistic Heavy Ion Collider (RHIC) at Brookhaven National Laboratory and at the Large Hadron Collider (LHC) at CERN.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: ~1

Degrees offered by university: Ph.D.

Tennessee Technological University

Ensor, Dale Duvall



e-mail: densor@tntech.edu

Research group URL: http://www.tntech.edu/CHEMISTRY/faculty/dale_ensor.html

Research areas: Nuclear chemistry, separation science

Research interests: The use of separation science to remove radioactive isotopes from various waste forms; areas of investigation include the development of selective extractants for the actinides, detection of actinides in the environment, and removal of heavy metals from industrial and natural waters.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Lisic, Edward C.

e-mail: edlisic@tntech.edu

Research group URL: http://www.tntech.edu/CHEMISTRY/faculty/edward_lisic.html

Research areas: Nuclear chemistry, organometallic chemistry

Research interests: Radiopharmaceutical research involving bioinorganic metal complexes and synthesis of phosphorous ligands and phosphonate materials. Coordination chemistry and new ligand synthesis involving thiosemicarbazones.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Texas A&M University

Folden, Charles “Cody” M., III



e-mail: Folden@comp.tamu.edu

Research group URL: <http://cyclotron.tamu.edu/folden>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Production of transactinide elements; study of nuclear reaction mechanisms; chemistry of the transactinides.

Number of graduate students in group currently: 0

Number of graduate students accepted yearly: 1-2

Degrees offered by university: Ph.D.

Natowitz, Joseph Bernard



e-mail: natowitz@comp.tamu.edu

Research group URL: http://www.chem.tamu.edu/faculty/faculty_detail.php?ID=64

Research areas: Nuclear chemistry

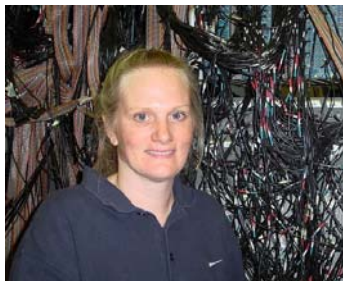
Research interests: Nuclear reaction mechanisms; thermodynamics of highly excited nuclei, limits to existence of nuclei, the nuclear equation of state; nuclear dynamics.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Yennello, Sherry J.



e-mail: yennello@comp.tamu.edu

Research group URL: <http://cyclotron.tamu.edu/sjygroup/>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Research involves using beams of exotic nuclei to investigate nuclear reaction mechanisms; altering the N/Z of the beam enables the study of Isospin equilibration and effects due to the symmetry energy.

Number of graduate students in group currently: 6

Number of graduate students accepted yearly: Usually one, sometimes two. Others are taken into other groups in the lab. Students can work for any cyclotron institute faculty member, either in chemistry or physics.

Degrees offered by university: Only Ph.D. students are admitted, except in the chemical education program, which is a M.S. degree.

University of Alabama

Dixon, David A.



e-mail: dadixon@bama.ua.edu

Research group URL: <http://www.bama.ua.edu/~chem/people/faculty/dixon/dixon.html>

Research areas: Computational chemistry, physical chemistry

Research interests: Electronic structure theory, high performance computing, computational catalysis, hydrogen storage materials, fluorine chemistry, computational biochemistry and bioinformatics, computational thermochemistry and kinetics, geochemistry and biogeochemistry, environmental chemistry, relativistic effects, materials design, chemical process design, computational nanoscience.

Number of graduate students in group currently: 8

Number of graduate students accepted yearly: 1-2

Degrees offered by university: M.S. and Ph.D.

University of California, Berkeley

Cerny, Joseph



e-mail: jcerny@berkeley.edu

Research group URL: <http://chem.berkeley.edu/faculty/cerny/index.html>

Research areas: Nuclear chemistry

Research interests: Nuclear reactions with radioactive beams. Decays of proton-rich light nuclei.

Number of graduate students in group currently: None

Number of graduate students accepted yearly: None

Degrees offered by university: Ph.D.

Hoffman, Darleane Christian



e-mail: dchoffman@lbl.gov

Research group URL: <http://sheiks.lbl.gov/index.html>

Research areas: Nuclear chemistry

Research interests: Atom-at-a-time studies of the chemical and nuclear properties of the heaviest elements including first investigations of the chemical properties of seaborgium (element 106), bohrium (element 107) and hassium (element 108). Production of new neutron-rich heavy element isotopes; systematics of heavy-ion reactions.

Mechanisms of spontaneous fission; electron-capture delayed fission. Manual and automated rapid chemical separation systems. Nuclear power as clean, sustainable energy source.

Number of graduate students in group currently: None

Number of graduate students accepted yearly: None

Degrees offered by university: Ph.D.

Moretto, Luciano G.



e-mail: moretto@lbl.gov

Research group URL: <http://www.lbl.gov/~phair/>

Research areas: Nuclear chemistry

Research interests:

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D.

Nitsche, Heino



e-mail: hnitsche@berkeley.edu

Research group URL: <http://heavyelements.lbl.gov/>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Chemistry and nuclear properties of the heaviest elements: Syntheses of new elements and isotopes; chemistry of elements 104 (Rf) to 109(Mt) and 112. Fundamental research on actinides: Solution thermodynamics, kinetics and solid/solution interfacial reactions on iron and manganese oxides. Fundamental environmental behavior of the actinides and other radionuclides: Interaction with inorganic and organic groundwater ligands, minerals, and microorganisms.

Number of graduate students in group currently: 8

Number of graduate students accepted yearly: 1-3

Degrees offered by university: Ph.D.

University of British Columbia

MacFarlane, W. A.



e-mail: wam@chem.ubc.ca

Research group URL: <http://www.chem.ubc.ca/personnel/faculty/wam/index.shtml>

Research areas: Applied nuclear chemistry, solid state chemistry

Research interests: Electronic and magnetic properties of crystalline solids, thin films and nanostructures; synthesis of thin solid films (typically transition metal oxides) and heterostructures via pulsed laser deposition; analysis of local magnetic properties in thin films and near interfaces with NMR. In NMR one detects the nuclear magnetic resonance of a radioactive nucleus via the decay products, MeV energy electrons.

Number of graduate students in group currently: 3

Number of graduate students accepted yearly: 1 every other year

Degrees offered by university: Ph.D. and M.S.

University of Idaho

Wai, Chien M.



e-mail: cwai@uidaho.edu

Research group URL: <http://www.chem.uidaho.edu/faculty/wai/wai.htm>

Research areas: Analytical chemistry, nuclear chemistry

Research interests: Supercritical fluid extraction, nuclear waste treatment, nanomaterials synthesis.

Number of graduate students in group currently: 6

Number of graduate students accepted yearly: 2

Degrees offered by university: Ph.D. and M.S.

University of Kentucky

Yates, Steven Winfield



e-mail: yates@uky.edu

Research group URL: <http://www.chem.uky.edu/research/yates/>

Research areas: Nuclear chemistry

Research interests: Nuclear spectroscopy; nuclear structure of deformed and transitional nuclei; inelastic scattering and transfer reactions; nuclear isomerism and high-spin phenomena; neutron reactions and scattering; applications of nuclear techniques.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: 1

Degrees offered by university: Ph.D. and M.S.

University of Maryland College Park

Mignerey, Alice Cox



e-mail: mignerey@umd.edu

Research group URL: http://www.chem.umd.edu/Faculty_Directory/faculty.php?id=30

Research areas: Environmental chemistry, nuclear chemistry

Research interests: Research programs in relativistic and ultra-relativistic heavy-ion-induced nuclear reactions, part of the PHOBOS and PHENIX experiments at RHIC at Brookhaven National Laboratory; research in advancing the technique of accelerator mass spectrometry and its application to environmental problems.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

University of Missouri - Columbia

Hoffman, Timothy J.

e-mail: hoffmant@health.missouri.edu

Research group URL:

Research areas: Medicinal and/or pharmaceutical chemistry, nuclear chemistry

Research interests: Radiolanthanide Therapy, Diagnostic Radiopharmaceuticals, Positron Emission Tomography, and Molecular Imaging.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Jurisson, Silvia S.



e-mail: jurissons@missouri.edu

Research group URL: <http://chemistry.missouri.edu/employee.php?viewuser=jurissons#research>

Research areas: Inorganic chemistry, radiochemistry

Research interests: Radiopharmaceutical chemistry research (diagnostic and therapeutic); radioactive waste management (Tc-99).

Number of graduate students in group currently: 8

Number of graduate students accepted yearly: Depends on project availability

Degrees offered by university: Ph.D.

Robertson, John David



e-mail: robertsonjo@missouri.edu

Research group URL: <http://web.missouri.edu/~robertsonjo/index.htm>

Research areas: Analytical chemistry, nuclear chemistry

Research interests: Environmental chemistry; trace elements and human disorders; application of accelerator based trace element analysis techniques to fundamental problems in biology, environmental studies, geology and material science studies.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

University of Nevada - Las Vegas

Czerwinski, Kenneth R.



e-mail: czerwin2@unlv.nevada.edu

Research group URL: <http://radchem.nevada.edu/kenczerwinski.asp>

Research areas: Nuclear chemistry

Research interests: Research is centered on determining the chemical kinetics and thermodynamics of actinide elements. Data obtained in the laboratory are incorporated into models to evaluate systems containing actinides. The results are compared to actual systems to assess the validity of the data and models. Within this broad area research is performed on the speciation of actinides in the environment, actinide separations in the nuclear fuel cycle, and actinide chemical forms in solids.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Paviet-Hartmann, Patricia D.



e-mail: patricia.paviet-hartmann@unlv.edu

Research group URL: <http://radchem.nevada.edu/>

Research areas: Radiochemistry, Actinide Chemistry

Research interests: Solution chemistry of actinides and radionuclides (Tc, Cs, Sr), Liquid-liquid extraction of actinides/radionuclides for the development of new processes, Repository sciences with the behavior and speciation of actinides under nuclear repository conditions, Radiolysis, Supercritical Fluid Extraction, Nuclear Waste-forms.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Sudowe, Ralf



e-mail: ralf.sudowe@unlv.edu

Research group URL: <http://healthphysics.unlv.edu/sudowe.html>

Research areas: Radiochemistry, Nuclear Chemistry, Health Physics

Research interests: Development of radioanalytical methods, in particular for environmental monitoring and emergency response analytics, Study of the behavior of radionuclides in the environment, Nuclear Forensics, Study of nuclear reactions relevant to Stockpile Stewardship Science, Chemistry of the heaviest elements

Number of graduate students in group currently: 3 Ph.D. students and 3 M.S. students

Number of graduate students accepted yearly: 2-4

Degrees offered by university: Ph.D. in Radiochemistry and M.S. in Health Physics and Chemistry

University of Rochester

Schröder, Wolf-Udo



e-mail: schroeder@chem.rochester.edu

Research group URL: <http://www.chem.rochester.edu/faculty/pages/schroder.html>

Research areas: Nuclear chemistry

Research interests: Dynamics of nuclear collisions at intermediate (Fermi) and relativistic energies, phases of nuclear matter, thermodynamics of hot nuclei, preequilibrium reactions; 4.pi. experiments, theoretical modeling, development of advanced nuclear radiation detectors and digital electronics, radio chemistry of tritium cycles, energy science.

Number of graduate students in group currently: 3 Ph.D. students and 1 M.S.. student

Number of graduate students accepted yearly: 1 Ph.D. student and 1 M.S.. student

Degrees offered by university: Ph.D. and M.S.

University of Washington

Krohn, Ken



e-mail: kkrohn@u.washington.edu

Research areas: Radiochemistry and analytical chemistry

Research interests: Short-lived radionuclides for life science applications. Cyclotron targetry. Chemical effects of nuclear transformations, hot atom chemistry.

Number of grad students currently: 1

Number yearly: max of 1

Degrees offered by university: Ph.D. and M.D./Ph.D.

Zoller, William Harper



e-mail: zoller@chem.washington.edu

Research group URL: <http://depts.washington.edu/chem/people/faculty/zoller.html>

Research areas: Nuclear chemistry, atmospheric chemistry

Research interests: Atmospheric chemistry in the Northwest. Volcanic chemistry. Man's impact on the environment.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

University of Western Ontario

Shoesmith, David William



e-mail: dwshoesm@uwo.ca

Research group URL: <http://publish.uwo.ca/~ecsweb/>

Research areas: Electrochemistry, nuclear chemistry

Research interests: Development of performance assessment of models for nuclear waste forms and waste containers; development of deterministic and probabilistic models for corrosion performance; electrochemistry of nuclear fuel (UO₂); electrochemical studies of the influence of alpha/gamma radiation on materials processes; crevice corrosion and hydrogen-induced cracking of titanium alloys; a.c. impedance studies of UO₂ dissolution and the influence of intermetallic precipitates on the passivity of Ti alloys. Evolution of passive films over long exposure periods.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university:

Washington State University

Benny, Paul Douglas



e-mail: bennyp@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/bennyp>

Research areas: Medicinal and/or pharmaceutical chemistry, nuclear chemistry

Research interests: Radiopharmaceutical design, molecular imaging, radiation therapy, medical isotope production and separations, environmental remediation of ^{99}Tc

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: 1-2

Degrees offered by university: Ph.D. and M.S.

Clark, Aurora



e-mail: auclark@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/clarka>

Research areas: Environmental chemistry

Research interests: Computational environmental chemistry, computational f-element chemistry

Number of graduate students in group currently: 1

Number of graduate students accepted yearly: 2

Degrees offered by university: Ph.D. and M.S.

Clark, Sue Brannon



e-mail: s_clark@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/clarks>

Research areas: Environmental chemistry

Research interests: Environmental chemistry of the f-elements; development of radioanalytical methods; solution chemistry of the f-elements.

Number of graduate students in group currently: 6

Number of graduate students accepted yearly: 1-2

Degrees offered by university: Ph.D. and M.S.

Nash, Kenneth L.



e-mail: knash@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/nashk>

Research areas: Nuclear chemistry, inorganic chemistry

Research interests: Solution chemistry of lanthanides and actinides; thermodynamics and kinetics of reactions in solutions; solvent extraction for metal ion recovery, purification, and analysis; ion exchange; radioactive waste management and future directions for the nuclear fuel cycle; radiochemistry; nuclear chemistry; design and characterization of new reagents for chemical separations or waste management; energetics of solvation reactions in aqueous and organic solutions.

Number of graduate students in group currently: 10

Number of graduate students accepted yearly: 1-3, but will be more selective in the future to maintain a steady state of 12 graduate students

Degrees offered by university: Ph.D. and M.S.

Wall, Nathalie A.



e-mail: nawall@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/walln>

Research areas: Environmental radiochemistry, radioactive waste management

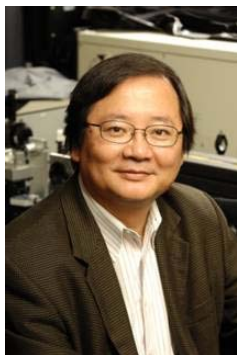
Research interests: Radionuclide behaviors in the environment, colloidal chemistry

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D. and M.S. There is no M.S. or Ph.D. in radiochemistry; the students have to choose either analytical or inorganic chemistry while training as radiochemists

Yoo, Choong-Shik



e-mail: csyoo@wsu.edu

Research group URL: <http://www.chem.wsu.edu/faculty-research/yooc>

Research areas: Physical chemistry, f-electron solid-state chemistry

Research interests: Solid-state transformations of f- and d-electron materials under extreme conditions and novel chemical bonding in f-electron intermetallics and alloys

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D. and M.S.

Anderson, Carolyn J.



e-mail: andersoncj@mir.wustl.edu

Research group URL: <http://www.chempet.wustl.edu/andersonc.htm>

Research areas: Radiological sciences

Research interests: The major focus of our research is the development, evaluation and application of radiopharmaceuticals containing metal radionuclides for diagnostic imaging and targeted radiotherapy of cancer. Another major area of research in our lab is the development of imaging agents targeting the process of cancer metastasis. Towards this goal we are investigating radiolabeled inhibitors of matrix metalloproteinases and radiolabeled integrin ligands for imaging of tumors to predict metastatic potential and radiolabeled integrin ligands for targeting bone metastases.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D. and M.S.

Sarantites, Demetrios George



e-mail: dgs@wustl.edu

Research group URL: <http://www.chemistry.wustl.edu/faculty/sarantites>

Research areas: Nuclear chemistry

Research interests: Compound nuclear reactions; photon emission from states; nuclear structure studies via in-beam particle and gamma-ray spectroscopy. Heavy-ion and intermediate energy nuclear reactions. Properties of nuclei at very high angular momenta. Nuclear Fission. Spectroscopic studies of the actinides.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D. and M.S.

Sobotka, Lee Gordon



e-mail: lgs@wuchem.wustl.edu

Research group URL: <http://www.chemistry.wustl.edu/faculty/sobotka>

Research areas: Nuclear chemistry, physical chemistry

Research interests: Heavy-ion nuclear reaction mechanisms; in-medium correlations, exotic nuclei, large scale nuclear motion; nuclear fusion, fission and related phenomena; radiation detection and advanced electronics.

Number of graduate students in group currently: 2

Number of graduate students accepted yearly: 1 every other year

Degrees offered by university: Ph.D. and M.S.

Welch, Michael John



e-mail: welchm@wustl.edu

Research group URL: <http://www.chemistry.wustl.edu/faculty/welch>

Research areas: Nuclear chemistry

Research interests: Labeling of compounds with radioisotopes for use as medical tracers.

Number of graduate students in group currently:

Number of graduate students accepted yearly:

Degrees offered by university: Ph.D. and M.S.