Student Awards

Edward O'Brien received an National Science Foundation (NSF) postdoctoral fellowship for three years which he'll use to continue his research at the University of Cambridge, England. Mr. O'Brien stated "This success is due to the excellent research environment here at UMD, and the collaborative relations the Chemical Physics program has with the National Institutes of Health (NIH)".

In the spring of 2008, the Graduate School awarded Mr. Rogers with the Ann G. Wylie Dissertation Fellowship for the 2008-2009 academic year. Each fellowship carries a stipend of $10,000, $800 toward health insurance and tuition remission.

On June 9, 2008 Mr. O'Brien was one of two recipients of the Graduate Poster Award at the Biopolymer Gordon Conference. "Osmolyte and denaturant effects on proteins are accurately predicted with the Molecular Transfer Model".

On February 13, 2007 (Student Alumni Profile) for his outstanding work in computing and encryption capabilities at DHS.

2008 Fall Entering Class

Ms. Hien Dao
Hanoi University
Ms. Abigail Perry
Wellesley College
Mr. Jinglei Ping
Zhongshan University
Mr. Richard Remsing
University of the Sciences
Ms. Naga Tiruvurur
Anna University
Ms. Irina Kareva
University of Maryland

New Biophysics Program Approved!

On June 20, the Board of Regents approved the proposal to establish the new M.S. and Ph.D. degree programs in Biophysics. On July 15, the Maryland Higher Education Commission gave final approval to the creation of the degree program. The approval is effective for Fall 2008.

Contact:
Dr. Dave Thirumalai, Director
biophys@umd.edu or 301-405-4803
Caricia Fisher, Program Coordinator
cjfisher@umd.edu or 301-405-4819
Keep your eye out for the upcoming announcement of the Chemical Physics (CHPH) bi-monthly student meetings. They are held in the IPST building, room 1116, starting at 5:00 P.M. The purpose of the meetings: (1) keep in contact with other CHPH students and maintain a cohesive nature of the program (2) discussion of requirements of the Program and the Graduate School. (3) discussion of research and establishing networks (4) talks given by CHPH students concerning their present research (5) invitation of speakers from other university departments and administration offices. This is an excellent opportunity to welcome and meet the current Chemical Physics students, to learn more about their

**FUTURE GRADUATES**

Lee Elberson, Ph.D.
Jianwei Liu, Ph.D.
Edward O'Brien, Ph.D.
Daniel Rogers, Ph.D.
Adrian Southard, Ph.D.

**2007/2008 GRADUATES**

Ling Cai, M.S.
Ching-Yee Chang, Ph.D.
Center of Atmospheric Sciences
Postdoctoral
University of California, Berkeley
Diane Evans, Ph.D.
Institute for Physical Science & Technology
Postdoctoral
University of Maryland
Daniel Hines, Ph.D.
Physics Department
Research Associate
University of Maryland
Ki-Chun Kim, M.S.
Institute for Physical Science & Technology
Research Assistant
University of Maryland
Jocelyn Rodgers, Ph.D.
Chemistry & Chemical Engineering
Postdoctoral
University of California, Berkeley
Lixin Wang, Ph.D. - Undecided
Xiang Wang, Ph.D.
Chemistry Department,
Research Scientist
University of North Carolina, Chapel Hill
Rui Xiao, Ph.D.
Chemistry Department
Postdoctoral
Penn State University
Qing Zhu, Ph.D.
Chemical Science Division
Postdoctoral Fellow Research Associate
Oak Ridge National Laboratory, Tennessee

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*CHEMICAL PHYSICS*
FALL 2008 - Important Graduate School Deadline

SEPTEMBER 15, 2008
All Graduate Degree Candidates: Last day electronically submit Application for Graduation to the Registrar's Office for graduation that semester.

SEPTEMBER 22, 2008
Doctoral Students: Last day to submit Nomination of Dissertation Committee Form to the Registrar’s Office, 1113 Mitchell (Committee form must be submitted at least 6 weeks before the scheduled defense.)

OCTOBER 7, 2008
Master's Thesis Students: Last day to submit the Approved Program Form and Nomination of Thesis Committee Form to the Office of the Registrar, 1113 Mitchell Bldg. Committee form must be submitted at least 6 weeks before the scheduled defense.

Master's Non-Thesis Students:
Last day to submit the Approved Program Form to the Office of the Registrar, 1113 Mitchell.

DECEMBER 9, 2008
Master's Thesis Students: Final day to electronically submit Thesis.
Final day for Thesis Directors to send Report of Examining Committee Form to the Registrar, 1113 Mitchell.
Final day to submit Electronic Thesis and Dissertation Publication Form to the Registrar.
Master's Non-Thesis Students:
Final date to submit Certification of Master's Degree Without Thesis Form to the Registrar, 1113 Mitchell Bldg.

Graduate School Policies and Regulations

Academic Policies: Doctoral Degrees
The Graduate School requires that every student seeking the Ph.D. or D.M.A. satisfactorily complete a minimum of 12 semester hours of dissertation credits (899), a student seeking and Ed.D. must satisfactorily complete a minimum of six semester hours of dissertation credits (899). The number of research and other credit hours required in the program varies with the degree and program in question.

Advancement to Candidacy
Preliminary examinations, or such other substantial tests as the graduate programs may elect, are prerequisites for advancement to candidacy. A student must be admitted to candidacy for the doctorate within five years after admission to the doctoral program and at least six months before the date on which the degree will be conferred. It is the responsibility of the student to submit an application for admission to candidacy when all the requirements for candidacy have been fulfilled. Applications for admission to candidacy are made in duplicate by the student and submitted to the graduate program for further action and transmission to the Graduate School. Application form may be obtained at the Graduate School, Room 2123, Lee Building, or on the web. Paperwork must be received by the Graduate School prior to the 25th of the month in order for the advancement to become effective the first day of the following month.

Doctoral candidates are automatically registered for six (6) credits of Doctoral Dissertation Research (899) for which they pay the flat candidacy tuition.
Student Publications, Conference Attendance and Presentations

Kamal Baloch

Publication

Attendance

Presentations

Jie Chen

Publication

William Grimes

Attendance

Ashley Hardin

Attendance

Brooke Hester

Publication
- “Optical Trapping of Nanoshells Near Resonance”, SPIE Optics and Photonics, (2007)

Attendance
- SPIE Optics and Photonics, August 2007, Biophysical Society, February, 2008

Presentation
- “Optical Trapping of

Xiaofei Ma

Publication
- “Structure Magnetization, and NMR Studies of the Spin-glass Compound (Li_xV_1-x)BO_5 (x 0.40 and 0.33). Physical Review B: Condensed Matter and Materials Physics (2007), 76(5), 054452/054452/15

Presentation

Sandip Mitra

Publication
- “Versatile Element for Free-space Dividing and Redirect-


Adrian Southard

Publication

Presentation
- “Synthesis and Electrical Properties of Nanorods of Poly(3-hexylthiophene)” oral presentation, American Physical Society, March 2005
- “Surface Treatment for Improved Mobility in Poly(3-hexylthiophene) Thin-Film Transistors” poster presentation, American Physical Society, March 2006
- “Transfer printed organic thin-film transistors using the semiconductors P3HT or pentacene and a polymer dielectric” oral presentation, American Physical Society, March 2007
Chemical Physics and Biophysics

Fall Reception
Friday, September 26, 2008
12:00-2:00
CSS Building Room 4301

Join us for lunch, meet the new entering students, and congratulate those who passed the Qualifying Exam

All Chemical Physics and Biophysics Students Welcome

Please R.S.V.P. by
September 24, 2008

Debbie Jenkins, dajenkin@umd.edu

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