Welcome

Welcome to the Summer 2009 JMU Materials Science Research Experience for Undergraduates. We hope your time here at JMU is fun, educational, and productive.

What is the REU?

The Research Experience for Undergraduates Program is a program in which funds are given to a small number of colleges and universities throughout the United States to enable undergraduate students to participate in high level scientific research. These programs provide an immersion in research for ten weeks during the summer, direct mentoring of undergraduate students by faculty, and social and other events to encourage the development of a scholarly community engaged in scientific pursuits.

The bulk of the funding for this program comes from the Department of Defense through a program called ASSURE (Awards to Stimulate and Support Undergraduate Research Experiences and from some funds provided by James Madison University. Some of the student scholarships are being funded by other funds from grants that individual faculty members have received.

Summer 2009 Participants

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<tr>
<th>Institution</th>
<th>Advisor</th>
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<tr>
<td>Annie Bailey</td>
<td>Virginia Pierrakos</td>
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<td>Doyle Baker</td>
<td>Norfolk State Utter</td>
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<td>Michelle Beatty</td>
<td>JMU Pierrakos</td>
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<td>Yanita Boayue</td>
<td>Stevenson University Caran</td>
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<td>Matt Bradley</td>
<td>JMU Hughes</td>
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<td>Tim Brooks</td>
<td>JMU Courtier</td>
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<td>Kevin Cabaniss</td>
<td>JMU MAIC collaboration</td>
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<td>Chris Flint</td>
<td>JMU Paulson</td>
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<td>Douglas Fordham</td>
<td>JMU Amenta</td>
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<td>Smai Fullerton</td>
<td>American Paulson</td>
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<td>Laura Lee</td>
<td>High Point Hughes</td>
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<td>Ibraheem Rasoul</td>
<td>JMU Utter</td>
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<td>Brandy Schell</td>
<td>Bridgewater DeVore</td>
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<td>Hannah Shepherd</td>
<td>JMU Johnson</td>
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<td>Nora Swisher</td>
<td>JMU Utter</td>
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<td>Lidia Varga-Claros</td>
<td>Mary Washington Mohler</td>
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<td>Jon Willcox</td>
<td>JMU Hughes</td>
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What is required of You

You are taking a one credit course on research in materials science this summer and the primary requirement of that course is that you take a serious approach to solving the research problem to which you are assigned and that you use that experience to develop as a scientist. It is typical to work as much as 40 hours a week for the next 10 weeks, though the exact hours that you work are to be determined by you and your mentor in the way that best suits your research. Your attendance will also be expected at several seminars, several field trips, and group meetings. Finally, you are expected to keep a detailed notebook of your work and give a presentation of your completed work during the week ending July 31.
Your Scholarship
You will be enrolled this summer in a one credit research course here at JMU. For those of your who are not already JMU students, this means that you will be enrolled here as a special summer student and be able to receive an ID, email account, library privileges, and access to JMU facilities such as UREC. Your scholarship check is currently being processed by the JMU Financial Aid Office. Since this is being paid as a scholarship, there will be no tax withheld from this check. We strongly recommend that you determine for yourself if this is taxable income for your particular situation and pay the tax required of you next spring.

Housing
Many of you are receiving housing from the REU program on Greek Row. If you have any problems related to this housing, please contact the JMU Events and Conferences Office.

Mail Service
If you would like to receive mail while here at JMU, you may have it sent to:
  c/o Center for Materials Science MSC 4310
  James Madison University
  Harrisonburg, VA 22807

Group Meetings
It is expected that your advisor will have some type of group meeting on a weekly basis, though he or she may choose some other way of communicating with you.

Social Events
There will be social events that allow students from the different labs to get to know each other better. These are tentatively planned to include a pool party/cookout and a canoe trip.

Field Trips
We hope to take two field trips this summer. In years past, these included NIST in Gaithersburg, MD, Dominion Semiconductor in Manassas and Johnson & Johnson’s Spectacle Lens Group in Roanoke. You will be informed as soon as the trips are scheduled.

Seminars
There will be several seminars this summer involving visitors from other institutions. The dates and times for these will be listed on the web.

Future Publications
We hope that after the summer ends you all keep in touch with us and let us know how your career progresses. One thing that we do request is that you acknowledge the support of the Department of Defense ASSURE program (grant #0851367) and inform us of any publications or presentation that arise from your work this summer. In addition, please check with your advisor about other grants that you may need to acknowledge.
What To Do In And Around Harrisonburg

There are things to do in Harrisonburg in the summer. While this is not a comprehensive list and should not be considered an endorsement of any sort, here are some of the more popular regularly scheduled activities:

Fridays on the Square

An event each Friday of the summer on Court Square in downtown H'burg alternating between bands and movies. Bands perform on the lawn of the courthouse every other Friday evening from 7 to 9 pm. On the other weeks, movies will be shown starting around 8:30 pm on the square (pre-show events start at 8 pm). All events free and open to the public. ((http://www.fridaysonthesquare.com)

June 5 ................. Concert: Charlottesville Drum Choir
June 12 ............... Film: Dirty Rotten Scoundrels
June 19 ............... Concert: Jan Smith and the Honeybirds
June 26 ............... Silent Film: Grandma’s Boy
July 10 .............. Film: Casablanca
July 17  ............... Concert: Chris Knight
July 24 ................. Film: Second Hand Lions
July 31 ............. Concert: Midnight Spaghetti & the Chocolate G-Strings
Aug. 7 .................. Film: Runaway Bride
Aug. 14 ............... Concert: Tom Principato
Aug. 21 ................. Film: The Incredibles
Aug. 28 ............... Concert: Emily Brass Band
Sep. 4  ................. Film: Nacho Libre

Fundfest

Bands perform on the lot across from the Daily News Record offices on South Liberty Street every other Wednesday evening from 6 to 9 pm. Admission is charged to assist the Harrisonburg-Rockingham SPCA & a local charity.

May 27 ............ JAH Works (Healthy Families of the Blue Ridge)
June 10 ........... Hacken's Boy's (Knights of Columbus)
June 24 .......... The Worx (Community Ministry Food Pantry)
July 8 .............. Standing Room Only (Harrisonburg-Rockingham Child Daycare Center)
July 22 ............ Mirage (H'burg Downtown Renaissance)
Aug. 5 ............ Southpaw (March of Dimes)
Aug. 19 ............ Hacken's Boy's (Shenandoah Valley Autism Partnership)

Green Valley Book Fair

Cheap, cheap books. Open only a few times a year – this summer from June 27 to July 12 (http://www.gvbookfair.com).

Independence Day Celebrations


Kline’s Dairy Bar
A must part of any summer in the valley. One of a kind ice cream Only three flavors at a time: vanilla, chocolate, and the flavor of the week.

Wolfe Street South Main St.
May 28 - Banana May 28 - Cherry Nut
June 4 - Blueberry June 4 - Red Raspberry
June 11 - Cookies and Cream June 11 - Cake Batter
June 18 - Black Raspberry June 18 - Choc. Peanut Butter
June 25 - Peach June 25 - Cherry Choc. Chip
July 2 - Choc. Peanut Butter July 2 - Black Raspberry
July 9 - Choc. Chip Cookie Dough July 9 - Banana
July 16 - Black Raspberry July 16 - Cookies and Cream

Summer Concerts on the Lawn
Concerts on the lawn in front of Duke Hall at 7 pm. Picnic baskets, lawn chairs, and blankets are welcome.

May 31 .............. Just Jazzin’
June 7 .............. The Ovation Singers
June 14 .............. Harrisonburg-Rockingham Concert Band
June 21 .............. Vocalists Offering Inspirational Community Enrichment
June 28 .............. The 29th Infantry Division Army Band

Harrisonburg Turks (http://www.harrisonburgturks.com/)
The Harrisonburg Turks are one of eight teams in the Shenandoah Valley League, a summer college developmental league sanctioned by the NCAA. The Turks are playing this season at Long Field Mauck Stadium on campus. Games start at 5:00 pm.

Saturday, June 6 New Market Sunday, July 5 Fauquier
Sunday, June 7 Woodstock Tuesday, July 7 Woodstock
Tuesday, June 9 Fauquier Thursday, July 9 Covington
Wednesday, June 10 Luray Saturday, July 11 Luray
Sunday, June 21 Haymarket Saturday, July 18 New Market
Friday, June 26 Front Royal Sunday, July 19 Haymarket
Saturday, June 27 Waynesboro Saturday, July 25 Woodstock
Sunday, June 28 Luray Sunday, July 26 New Market
Wednesday, July 1 Rockbridge Tuesday, July 28 Woodstock
Thursday, July 2 Staunton Wednesday, July 29 New Market