ABOUT OUR PROGRAM
Supported by an NSF Research Experience for Undergraduates (REU) grant, the Mineral Physics Institute sponsors scholarships for selected undergraduates to work at Stony Brook in a 10-week summer program of intense research. From the time of its inception in 1992 through 2004, 93 students from a variety of undergraduate major fields of study at institutions across the United States have completed individual research projects in this "Summer Scholars" program. The diversity of scientists at the Mineral Physics Institute enables us to offer exciting projects to all student participants. (For examples of recent projects see our web site at www.mpi.stonybrook.edu/SummerScholars). Each student has the opportunity to work in our state-of-the-art laboratories and facilities including the National Synchrotron Light Source at nearby Brookhaven National Laboratory. Past students’ projects have led them to use more distant research facilities such as the Advanced Photon Source at Argonne National Laboratory and others overseas. During the ten-week program, students conduct individual result-oriented projects. Their experiences cover most of the fundamental elements of academic research including reporting of the results to other scientists. The student-advisor relationship in the summer program is modeled after the relationship between the graduate students and their advisors in our affiliate, the Department of Geosciences at Stony Brook University. Thus, students are given individual projects and a good deal of independence and responsibility. At the same time, the advisors are always available for consultation and guidance. In the first weeks of the program, the advisors spend time training the students on technique and safety. During the following weeks, the students and advisors have almost daily contact in the laboratories. When not working in the laboratories, group housing in the Stony Brook residence halls and extracurricular activities provide for an excellent social experience as well. Extracurricular activities have included behind the scenes visits to: the American Museum of Natural History, the FBI, the Geophysical Laboratory of the Carnegie Institute, and the Smithsonian Institution. Other activities have included exploration of the upper Carmans River by canoe or kayak, fishing excursions on Long Island Sound, and attending a New York Yankees or Mets game.

FINANCIAL SUPPORT
Student participants receive a $3,500 stipend, travel allowance (up to $600) and paid housing on the University campus.

PREREQUISITES
To be eligible for this program, undergraduate students must be either U.S. citizens or permanent residents and have completed 60 academic credits or at least one half (1/2) of the total credits required for graduation. Students who will graduate prior to the start of the Summer Scholars Program are not eligible. Additionally, potential participants must have an interest in a research career in Earth Sciences, Physics or Chemistry.

APPLICATION PROCEDURE
Complete and submit this form along with college transcripts showing grades through Fall/Winter of the 2004-2005 academic year, and two (2) letters of recommendation to:
Summer Scholars Program Coordinator
Mineral Physics Institute
Stony Brook University
Stony Brook, N. Y. 11794-2100

Review of applications begins upon receipt. Selections begin by March 31st, 2005 and continue until all the Summer Scholars have been selected. If you have any questions or need additional assistance, please call or write to the Mineral Physics Institute:
Samantha Lin
Tele: (631) 632-8241, Fax: (631) 632-8240
E-mail: Samlin@notes.cc.sunysb.edu
or visit our web site at:
www.mpi.stonybrook.edu/SummerScholars
**Applicant Instructions:**
1. Applicants are requested to complete this form
2. Send a printed and signed hard copy via traditional mail (address on last page).

**PERSONAL INFORMATION:** (Please Print or Type)

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<th>Last Name</th>
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*Ethnicity: [ ] W=White (not Hispanic)  B=Black (not Hispanic)  A=Asian  H=Hispanic  I=American Indian  N=I prefer not to answer

*Citizenship: [ ] 1 = U.S. Citizen  2 = Non-Citizen Permanent Resident

If U.S. Permanent Resident, indicate number and date of entry

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<th>No.</th>
<th>Date of Entry <strong>/</strong>/__</th>
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Place of Birth

(State/Country) _____________________________________

Legal Residence (State/Country) _______________________

*Disability Information: Disabled How?________________________ Disabled Facilities Required: __________________

*This information is required for statistical and reporting purposes. Admission to the Summer Research Program is based on the qualifications of the applicant, without regard to sex, race, age, color, creed, national origin, sexual orientation, disability, or handicap.

Permanent Home Address: ________________________________  ________________________________

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State Resident County: ________________________________  ________________________________

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Your E-mail address at school

E-mail address that you will use after the semester ends (if different)
NAME __________________________________________

EDUCATION:
List in descending chronological order all colleges and universities attended since high school, including professional schools starting with most recent.

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<tr>
<th>Institution</th>
<th>Attendance (month/year)</th>
<th>Major</th>
<th>Credits in Major</th>
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Overall GPA for undergraduate degree to date ___________ (Use scale of A = 4 points)

GPA for major to date __________

Anticipated class standing (i.e., junior or senior) at end of spring semester ____________

Expected date of graduation ________________________________________________

TRANSCRIPTS:
Please arrange for a copy of your official transcript (showing grades through Fall/Winter of the 2004 academic year) to be sent to:

Mineral Physics Institute
Summer Scholars Program Coordinator
Stony Brook University
Stony Brook, NY 11794-2100

RECOMMENDATIONS:
Ask two persons, who know your academic qualifications well, to write a recommendation on your behalf using the form on page five (5) of this application. Please provide their names and addresses below.

Name________________________________________  Name________________________________________
Department__________________________________  Department___________________________________
College/University_____________________________   College/University ______________________________
Position_____________________________________   Position______________________________________
Tele. No. (          )____-____________     Tele. No. (          )____-____________
E-mail: _____________________________________   E-mail: _____________________________________

OTHER:
If you have held any or now hold fellowships scholarships, other honors, or authorship, please indicate source, title and applicable dates.
MINERAL PHYSICS INSTITUTE
PERSONAL STATEMENT:
What would you consider your special qualifications to be, over and above those called for on the previous pages of this application, for admission to the MPI Summer Scholar program? Discuss briefly any experience you have had in scientific research and what it has meant to you. What are your career aspirations? How will participation in this program help you realize your goals?

I hereby certify that the information given by me on this application is complete and accurate. I submit this application personally, on my own behalf and without the assistance or representation of any third party. I understand that any misrepresentation may be cause for denying admission.

SIGNATURE OF
APPLICANT __________________________________________ DATE _____________

RETURN THIS COMPLETED APPLICATION TO:
Summer Scholars Program Coordinator
Mineral Physics Institute
Stony Brook University
Stony Brook, NY 11794-2100
Letter of Recommendation
Summer Scholar Program
Mineral Physics Institute
Stony Brook University

Name of Applicant____________________________________ E-mail:_______________________________________

Current Address___________________________________________________________________________________

City_______________________________________________State_________Zip Code__________________________

Country_________________________________________________Telephone_________________________________

_________________________________________________________________________________________________

I understand that I have the right to inspect my file upon request under the Family Education Rights and Privacy Act of 1974. I hereby DO WAIVE my right of access to this letter of recommendation.

Signature of Student_________________________________________________________________________

___________________________________________________________________________________________

Writers of letters of recommendation are requested to write a statement on this form. If additional space is needed, please attach a separate page. The screening committee is grateful for any pertinent information regarding the applicant but will particularly appreciate the writer’s opinion of the candidate’s potential ability for a career in research science. A careful discrimination between strong and weak characteristics of the candidate will be more helpful than routine praise.

Please rate the applicant in comparison with others of his/her age and position whom you have known within the past five years. If possible, indicate the number of students with whom you are comparing him/her.

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<th>Academic Performance</th>
<th>Upper 1% or 2%</th>
<th>Upper 10% but not upper 1% or 2%</th>
<th>Upper 20% But not upper 10%</th>
<th>Upper half but not upper 25%</th>
<th>Lower half</th>
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<td>Motivation for Research Career</td>
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Signature__________________________________________________Position________________________________

Printed Name _____________________________________________________________________________________

Address__________________________________________________________________________________________

Address__________________________________________________________________________________________

E-mail__________________________________________________________________________________________

RETURN COMPLETED RECOMMENDATION TO:
Summer Scholars Program Coordinator
Mineral Physics Institute
Stony Brook University
Stony Brook, NY 11794-2100