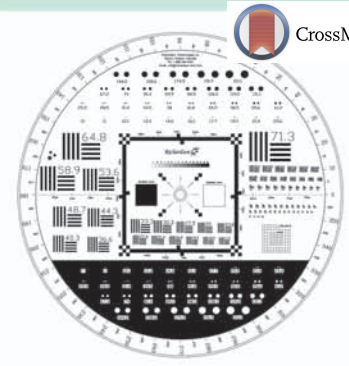
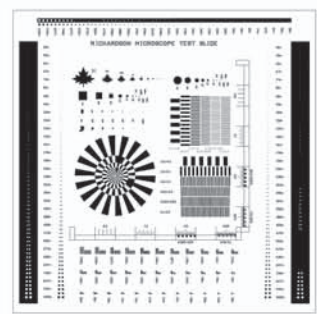




Low Magnification Image



High Magnification Image



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## Microscopy Society of America 2005 Undergraduate Research Scholarships

With this year's call for applications, the MSA Undergraduate Research Scholarship Program begins its 16th year of providing funding for undergraduate research. To date, over 86 projects covering a wide range of topics in the physical and biological sciences have received support through this program. Over the years nearly all the scholarship recipients have maintained a strong interest in the imaging sciences and have gone on to graduate school, professional school, teaching, or industry positions.

The program, which is funded by MSA and by matching funds from MSA Sustaining Members, has been able to support approximately 50% of applicants. The maximum award for the Undergraduate Scholarships is \$3000 and helps to provide student stipends, supply costs, and limited travel expenses associated with the research. Additional support in the form of instrument use time, equipment purchases, etc. is generally provided by the student's supervisor and/or through the sponsoring institution. Abstracts reporting the research results, are prepared by scholarship awardees, and published in the MSA journal *Microscopy and Microanalysis*.

The program actively seeks sources of matching funds in order to maintain the favorable levels of support both in terms of the number of projects supported and the level of support for each. We are extremely grateful for the matching support provided by MSA sustaining members and individuals. Their support over the years has enabled the program to increase both the number of awards and the maximum amount of each award. For 2004 we are particularly grateful for support provided by Oxford Instruments and EDAX, Inc.

The MSA Undergraduate Research Scholarship Program is currently soliciting applications from students interested in conducting a research project that involves the use of any microscopy technique. Students should be sponsored by a member of MSA. The maximal award is \$3000. The application deadline is Dec 31, 2004. Application forms and instructions are available on the MSA web site, <http://www.msa.microscopy.com>. Applications can also be obtained from the MSA Business Office, <http://businessoffice@msa.microscopy.com> or call toll free at (800) 538-3672.

If you have any questions or require additional information regarding the program please contact:

Dr. Ralph Albrecht, University of Wisconsin  
1675 Observatory Drive, Madison, WI 53706  
(608) 263-3952 or 263-4162; (608) 262-5157 FAX;  
[albrecht@ansci.wisc.edu](mailto:albrecht@ansci.wisc.edu)

### 2004 awardees

**Victoria Blue Tran; University of Massachusetts Lowell; Advisor, Changmo Sung** "Using SEM and Image Processing to Study Electrospun Fibers of Polycaprolactone and Polylactic Acid for Bone Tissue Regeneration."

**Eric E. Johnson; Southern Illinois University; Advisor, Karen Renzaglia**

"A Microscopic Study of Spore Wall Development in *Sphaerocarpos texanus*, an Ancient Land Plant."

Jessamine P. Winer; Carnegie Mellon University; Advisor, Marc De Graef.  
"Lorentz Microscopy of Magnetic Quasicrystals."

**Adaris Rodriguez-Cortes; University of Puerto Rico, Rio Piedras; Advisor, Eduardo Rosa-Molinar.**

"Multi-Functional Probes for Correlative Microscopy."

**Thiery Wright; Mc Gill University; Advisor, Raynald Gauvin** "Characterization of Carbon Nanotubes using Electron Microscopy."

### Alternate:

**Ephram Glass; Princeton University; Advisor, Nan Yao.**

"Electron Beam Deposition Analysis."