

Award presentations on Monday and Wednesday, Symposium X talks will include prospects for molecular scale electronics, controlling the interactions of cells with materials, the materials science of food, two-photon absorbing materials and applications in three-dimensional technologies, superplasticity, and materials insights from biomineralization.

**Poster Sessions** will be held Monday through Thursday, 8:00 p.m.–11:00 p.m. in Exhibition Hall D of the Hynes Convention Center. The Meeting Chairs will sponsor a Best Poster Award competition at which a prize of \$500 will be awarded to the presenting author(s) of the winning paper(s). Award recipients will be selected on the basis of the poster's technical content, appearance, graphic excellence, and presentation quality.

Seven **Symposium Tutorial** sessions by leading experts will be given on Sunday and Monday. See page 78 for more information.

For the first time, the Hynes Convention Center will house the **MRS Equipment Exhibit** featuring more than 200 international exhibitors from all sectors of the global materials science and engineering communities. The exhibit will contain a full spectrum of equipment, instrumentation, products, software, publications, and services. Set for Tuesday, November 30,

through Thursday, December 2, on the Second Level of the Hynes Convention Center, the exhibit is convenient to the technical session rooms and scheduled to coincide with the program. Complimentary coffee will be available during morning and afternoon breaks in the exhibit hall.

**Materials MicroWorld**, a program of Interactive Traveling Displays and Educational Programs, is now in development. Prototype exhibits along with the concept drawings for the future exhibit will be displayed Sunday through Wednesday on the second floor of the Hynes Convention Center. Activities associated with these displays will consist of collecting and developing ideas for educational programs and demonstrations that would accompany a full-scale traveling science exhibit.


### Student Opportunities and Employment

The Society will present **Gold and Silver Graduate Student Awards** to graduate students who authored or co-authored symposium papers which exemplified significant and timely research. On Wednesday evening, all finalists will be honored at the Awards Ceremony.

Graduate students who are interested in assisting in the symposium rooms are

encouraged to apply for a **Symposium Assistant** position. Symposium assistants deliver essential meeting materials to and from the technical sessions, operate audio-visual equipment and room lighting, and perform other tasks requested by their session chairs. Symposium Assistants will receive a complimentary student registration, a one-year MRS student membership commencing January 1, 2000, and a stipend to help defray expenses.

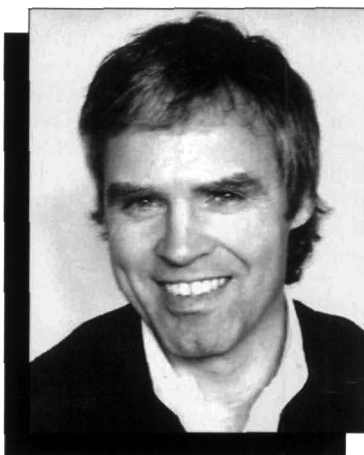
Graduate students and members of MRS University Chapters are invited to attend the **Student Mixer** reception. Also, Chapter officers and faculty advisors are invited to attend a meeting of **MRS University Chapter** representatives to compare notes on recent activities and brainstorm on new projects and issues of common concern. Those interested in starting a new chapter are also welcome. The date, time, and location of both events will be announced in the *Meeting Guide* on site.

MRS, in conjunction with the American Institute of Physics (AIP), will host an **Employment Center** for meeting attendees. The Center will operate Tuesday through Thursday, in the Exhibit Area on the second level of the Hynes Convention Center. Services include access to current job postings, resume file for prospective employers, and on-site interview opportunities. 

## Nobel Laureate Stormer to Give Plenary Talk on Fractional Quantum Numbers

Nobel laureate Horst L. Stormer of Columbia University and Bell Labs/Lucent Technologies will present the plenary talk at the 1999 Materials Research Society Fall Meeting in Boston. In his talk, "Fractional Quantum Numbers and Other Tales from Flatland," Stormer will address how "electrons moving at low temperatures in a plane and exposed to a strong magnetic field show a rich spectrum of counterintuitive behaviors." The Plenary Session is scheduled for Monday, November 29, at 6:00 p.m. in Salon E of the Boston Marriott Hotel.

Stormer has devoted his research career to the study of condensed matter physics with an emphasis on semiconductors. In particular, he is interested in the physics of lower dimensional systems at which electrons are quantum-mechanically bound to a plane, a line, or to a small dot. At very low temperatures of about 1 K and below, these quantum structures exhibit unusual new properties. He has over 200 publications in this area and has received several



Horst L. Stormer

awards including in 1998 both the Nobel Prize in physics and the Franklin Medal, each shared with Dan Tsui and Bob Laughlin. In 1984, he shared the Oliver E. Buckley Prize of the American Physical

Society with Dan Tsui and Art Gossard for the discovery of the fractional quantum Hall effect, and in 1985 Stormer received the Otto Klung Award of the Freie University of Berlin.

In 1992, Stormer was appointed director of the Physical Research Laboratory at AT&T Bell Laboratories, and became adjunct physics director in the Physical Sciences Division of Bell Labs/Lucent Technologies in 1997 and professor in the Physics and the Applied Physics Departments of Columbia University the following year. He received his BS degree from Goethe University in Frankfurt/Main, Germany in 1970. He received his PhD degree in physics from the University of Stuttgart in 1977 and worked in the high field magnet laboratory of the Max Planck Institute in Grenoble, France.

Stormer is a Bell Labs Fellow, a Fellow of the American Physical Society and of the Academy of Arts and Sciences, and a member of the National Academy of Sciences. 