

25th APS Plasma Division meeting

Topics at this year's meeting in Los Angeles will include tokamaks, mirror confinement physics and space plasmas; there will also be a Maxwell Prize address and sessions on government funding and human rights.

The Division of Plasma Physics of the American Physical Society will hold its 25th Annual Meeting from Monday, 7 November, through Friday, 11 November, in Los Angeles. Sessions will be held at the designated headquarters for the meeting—the Biltmore Hotel, 551 South Olive Street, Los Angeles 90013. Arrangements for the meeting have been made through Donald Arnush (TRW Energy Technology Division, Redondo Beach, California), the local chairman.

The meeting activities will include five days of contributed, invited and review papers, poster sessions, industrial exhibits, tours of local plasma-

physics facilities, a guest program, a banquet with a guest speaker, and various satellite meetings.

The scientific program will be divided into nine half-days of review, invited and contributed papers. Review papers will be given in a daily plenary session, while invited papers will be presented each morning and afternoon.

Contributed papers number 1359, a slight decrease from last year. The program will include four review papers and 46 invited papers, selected by a Program Committee consisting of Richard Aamodt, Donald Arnush, Ronald C. Davidson (chairman), Frederick Coensgen, Harry Dreicer, David Fors-

lund, Richard Hazeltine, Chuan Liu, Neville Luhmann, Dale Meade, Sidney Ossakow, Richard S. Post, Frederick Ribe and Dieter Sigmar. There will be an invited paper session each morning and afternoon in the Biltmore Bowl; the review papers will be presented at 8:30 a.m. Monday, Tuesday, Wednesday and Friday, also in the Bowl.

There will be an official conference banquet at 7:30 Wednesday evening in the Biltmore Bowl; one can buy tickets at either registration or preregistration for \$15 apiece. The program will include the award of the Maxwell Prize and the Division Prize, as well as the recognition of new fellows. The after-dinner speaker will be special-effects expert John Dykstra, who will speak on "Technical design of special effects for science-fiction films."

Two special invited paper sessions have been planned, both in the Gold Room. At 8 p.m. Monday (7 November) there will be a special session on government funding of plasma-physics research; at 5:30 p.m. on Tuesday there will be a special session on human rights.

Business meeting

The format of the Annual Business Meeting, to be held Wednesday at 5:30 p.m. in the Corinthian Room, has been arranged to bring new items of business that may affect the entire Division to the attention of a large number of members. Therefore, new items of business will be considered in the following order:

- Motions which have been written out, together with any supporting arguments, and submitted to the Secretary-Treasurer (Igor Alexeff, University of Tennessee, Electrical Engineering Department, Knoxville, Tennessee 37916) before noon on the first day of the meeting. Copies of such material will be displayed on one of the bulletin boards in the registration area, giving members reasonable notice in case they wish to participate in the discussion and vote on some motions.

- Motions which have been written out and submitted to the Secretary-Treasurer prior to the start of the



business meeting.

► Other new business, not included in the above two categories.

Awards

At the official banquet on Wednesday night, Harold P. Furth, director of the Princeton Plasma Physics Laboratory, will receive the 1983 James Clerk Maxwell Prize, sponsored by the Maxwell Laboratories, Inc., "for his extraordinary scientific and intellectual leadership of research on toroidal magnetic confinement fusion."

Bruno Coppi, D. Bruce Montgomery and Ronald R. Parker (MIT), Leonardo Pieroni (CNEN Laboratory Ionizzati, Frascati, Italy) and Robert J. Taylor (UCLA) will all share the 1983 APS Division of Plasma Physics Award for Excellence in Plasma Research; they are to be honored for their pioneering research contributions on Alcator A.

Exhibition and other services

For the fifth year, there will be an equipment exhibit. This year's show, to take place in the Regency Room, will focus on diagnostic and detection devices (ir through x-ray), high-speed data-acquisition systems, rf sources, as well as innovative vacuum measure-

ment, pumping systems, and related hardware. The show will be open 8-10 November (Tuesday through Thursday of the week of the meeting).

An AIP Placement Center will be established in the Roman Room on the Conference Room level, Monday through Thursday; prospective employers are encouraged to use the service.

Ten rooms will be available for informal discussions on the small conference room floor. Rooms for satellite meetings, with or without food service, must be reserved in advance through the Local Committee Chairman.

Other activities

The UCLA Center for Plasma Physics and Fusion Engineering will have an open house on Tuesday evening, offering a look at Microtor, Macrotor, LAMEX, Basic Physics and Diagnostic Experiments, as well as other facilities. Round-trip bus transportation from the Biltmore to the UCLA campus in Westwood will be available to those who sign up in the registration area before noon on Tuesday.

There will be a tour program, focusing on some of the art and architecture of Los Angeles County, offered to the attendees' companions, assuming that

there is enough interest. An experienced tour guide will accompany participants to such places as the J. Paul Getty Museum in Malibu; Gamble House in Pasadena; the Huntington Library, Art Gallery and Botanical Gardens; Lawry's California Center; and the Norton Simon Museum of Art.

The Biltmore Hotel, constructed in 1923 near the center of downtown Los Angeles, is convenient to many local attractions (The Music Center, Chinatown, Olvera Street). It is also close to the major freeway interchanges from which one can reach other neighboring places of interest (Disneyland, Universal Studios, and the San Diego Zoo, for example). The hotel is about a 30-minute bus ride from L.A. International Airport. The Local Committee has arranged a variety of tours—both with and without guides—of cultural and plasma-physics attractions in the area.

On Thursday evening there will be an optional excursion to Magic Island. The trip package will include round-trip transportation, complimentary wines *en route*, dinner, and two formal magic shows as well as informal shows in the lounges. Attendance is limited and reservations are essential. —JJJ

Invited papers and special sessions

Monday

MORNING

Review paper: Laser particle accelerators. *A. Sessler*

Basic plasma physics applications. *Dawson, Brau, Sprangle, Musseto, Temkin*

AFTERNOON

Tokamak confinement physics—I. *Wagner, Fonck, Overskei, Isler, Ohkawa, Hwang, Meade*

EVENING

Special session: Federal support for plasma physics research—A government perspective. *Sinclair, Nelson, Roberson, Gajewski, Strosio*

Tuesday

MORNING

Review paper: Strong Langmuir turbulence: Theory and application to space and laboratory experiments. *Goldman*

Mirror confinement physics. *Grubb, Ferron, Matsuda, Lane, Samec*

AFTERNOON

Inertial confinement physics. *Mead, Spillman, Lehmberg, Seka, Mendel, Davis*

Special session: Human rights. *Coppi, Hinkley*

Wednesday

MORNING

Review paper: Recent observations of MHD activity in tokamaks. *Sauthoff*

Tokamak confinement physics—II. *Porkolab, Stevens, Ware, Jardin, Freidberg, Barnes*

AFTERNOON

Space plasmas. *Coppi, Keskinen, Papadopoulos, Winske*

Thursday

MORNING

Review paper: James Clerk Maxwell Prize address. *H. P. Furth*

Alternate concepts. *Swain, Sherwood, Nebel, An, Shaing, Renner*

AFTERNOON

Basic plasma physics. *Wong, Lonngren, Stern, Majeski, O'Neil, Waltz, Antonsen*

Friday

MORNING

Review paper: Field reversed configurations. *Hoffman*