

FIRST ANNOUNCEMENT

EVOLUTION IN ASTROPHYSICS

IUE Astronomy in the Era of New Space Missions

29 May - 1 June 1990

in Toulouse, France

Organized by ESA,NASA,SERC and CNES

co-sponsored by Universite Paul Sabatier

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SCOPE OF THE CONFERENCE:

The International Ultraviolet Explorer (IUE) satellite, a joint undertaking of the NASA, ESA and the SERC, was launched January 26, 1978. During its twelve years of highly successful orbital operations, this first general user Space Observatory has made unequalled contributions to almost every field in Astrophysics, from Solar System studies to Cosmology. IUE also amassed a treasury of nearly 70000 ultraviolet low and high resolution spectra of about 10000 different astronomical sources. These archives, the first of their kind, can easily be accessed by any scientists who wishes to use them for such purposes as statistical or temporal variability studies.

To highlight the latest results obtained, not only from recent observations but also from archival studies, a common NASA/ESA/SERC IUE conference, co-sponsored by the French CNES and the University Paul Sabatier, will be held on 29,30,31 May and June 1, 1990. The venue of the meeting will be the campus of the University in Toulouse, southern France. Toulouse, a picturesque city with churches and buildings dating from the middle-age, is also a high technology center where the Ariane rocket, the Hermes space plane and the Airbus jets are assembled.

TOPICS:

- Comets
- The outer solar system
- Pre-main sequence objects
- Luminous hot stars
- Abundances in chemically peculiar stars
- Chromospheres in cool stars
- Mass loss in cool stars
- Multifrequency studies of flare stars
- Symbiotic stars unravelled
- Mass flows and accretion in Algol's
- Nucleosynthesis: Novae and SNR's
- Dwarf Novae
- Emission line objects in the Magellanic Clouds
- Supernova 1987a: recent results and perspective
- Globular clusters
- Dynamics of the Interstellar Medium in galaxies
- Starbursts: evolutionary effects in nearby galaxies
- Seyferts and QSO's: probing the inner nucleus
- Are quasars different ?
- Horizon 2000
- NASA Space Science programme
- National Space Science plans
- Final IUE archive
- IUE after HST (panel discussion)

FORMAT OF THE MEETING AND CONTRIBUTED PAPERS:

The conference will be centered around invited review talks of about 30 to 45 minutes each. Ample space and time will nevertheless be set aside for contributed POSTER presentations addressing more specific results. Abstracts must be sent by regular or electronic mail (28843::IUEOBS or IUEHOT@DDAESA10) to reach the conference chairman by February 15, 1990. A preliminary programme will be circulated in early March.

PRELIMINARY REGISTRATION:

Those planning to attend should register by returning a registration form to:

IUE Conference: Evolution in Astrophysics
ESA IUE Observatory
P.O. Box 54065
28080 - Madrid
SPAIN

Registration fees will be around US\$ 50. We expect to be able to provide extremely inexpensive accommodations for students. Hotel booking and registration fee-payment details will be given in the second announcement.

SYMPOSIUM PROCEEDINGS:

The proceedings will be published by ESA Publications Division (ESA SP-310) in September 1990. They will include the reviews and the poster papers. Kits for the camera-ready preparation will be sent to authors in April 1990. Authors are encouraged to bring their manuscripts to the meeting. To ensure prompt publication the final deadline will be one month after the meeting. Manuscripts received after July 1, 1990 will not be published. All registered participants will receive a complementary copy of the proceedings and 50 reprints of their own paper(s).

CALENDAR OF EVENTS:

Deadline of abstracts	15 February 1990
Second Announcement	March 1990
Conference	29 May - 1 June 1990
Final deadline for manuscripts	1 July 1990
Publication of Proceedings	September 1990

PRELIMINARY REGISTRATION FORM

EVOLUTION IN ASTROPHYSICS

Toulouse, France, 29 May - 1 June 1990

Name:

Institute:

Postal address:

Telephone:

Telex:

E-mail:

- I will attend the Symposium.
- I will be accompanied by ___ guest(s).
- I intend to contribute a poster paper on:

Please return this form no later than 1 December 1989 to:

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ESA IUE Observatory
P.O. Box 54065
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