



# 18TH ESA SYMPOSIUM

ON EUROPEAN ROCKET AND BALLOON  
PROGRAMMES AND RELATED RESEARCH

3-7 JUNE 2007

VISBY SWEDEN



## **First Announcement**

European Space Agency  
Programme Advisory Committee  
on the Special Project  
concerning the Launching of Sounding Rockets  
and Balloons

### **18<sup>th</sup> ESA SYMPOSIUM ON EUROPEAN ROCKET AND BALLOON PROGRAMMES AND RELATED RESEARCH**

**3 - 7 June 2007  
Visby, Sweden**

## **Introduction**

The 18th ESA Symposium on European Rocket and Balloon Programmes and Related Research is organised and sponsored by the European Space Agency (ESA) and Sweden as the hosting country. SSC/Esrange is the local organiser, supported by the Swedish National Space Board (SNSB). The symposium programme will be defined by the Programme Committee, which is composed of representatives from all five member states of the Esrange Andøya Special Project (EASP) for the launching of sounding rockets and balloons, and ESA.

## **Purpose of this Symposium**

This Symposium will be the 18th in a series of conferences initiated in 1973 by the member states of EASP to provide a platform for scientists and engineers using sounding rockets and balloons for their research, and to advance progress in related scientific disciplines. The scope of the Symposium also includes related ground-based, aircraft and satellite research, new developments in technology, and improvements of range facilities.

Symposium participants are given the opportunity to report both on their latest achievements and plans for the future in the various scientific and technical fields. These symposia have become widely recognised occasions for efficient communication between scientists, engineers from industry, project managers, range personnel and administrators, and thereby have become the starting point for intensified collaboration.

New trends and the latest developments in the use of sounding rockets and balloons for scientific research will be highlighted in this symposium. This will facilitate the establishment of a strategic and lasting roadmap towards the future of these activities.

In recent years the symposium has also covered new topics, such as space education, which has attracted a large audience.

Invited review papers will present the state of scientific and technical knowledge in fields of specific interest. Oral and poster contributions are solicited, the latter being accompanied by short oral summary presentations. There will be opportunities for special project meetings and working group discussions.

Roundtable discussions on sounding rocket- or balloon-related topics can also be arranged upon request.

The Proceedings of the Symposium will be published by ESA's Publications Division and distributed to all participants approximately three months after the Symposium.

## **Outline of the Symposium**

### ***General Topics***

- National Reports
- New Techniques and Instrumentation (incl. Range Facilities)
- New trends and the latest developments in the use of sounding rockets and balloons for scientific research
- Space-related Education
- Combined In-Situ, Ground-based and Satellite Projects

### ***Scientific Topics***

- Atmospheric Physics and Chemistry
- Magnetosphere – Ionosphere
- Life and Physical Sciences and Applications in Space
- Astrophysics, Astronomy and Cosmology

### ***Exhibition***

- Ranges
- Agencies
- Companies

The Symposium offers the opportunity to display and demonstrate hardware and software to participants. Of particular interest are service systems for balloons and sounding rockets, experiment hardware and new technologies/diagnostic tools/measurement systems.

## **Calendar of Events**

### **2006**

15 September      Deadline for ‘notification of interest’  
November          Issue of Second Announcement

### **2007**

2 February          Abstract deadline  
23 March            Notification of acceptance / instructions to Authors;  
Issue of preliminary programme  
15 April             Final registration and hotel reservation  
3 - 7 June           18<sup>th</sup> ESA/PAC Symposium; Papers to Editor  
September          Publication of Symposium Proceedings

## **Symposium Programme Committee**

### ***Chairman***

L. Nordh, SNSB Stockholm, S

### ***Members***

C. Cazaux, CNES, F  
M. Cogoli, ETH Zürich, CH  
S. Kemi, SSC/Estrange, S  
R. Kuhl, DLR Bonn, D  
M. Pearce, KTH Stockholm, S  
M. Rapp, Leibniz Institut, Kühlungsborn, D  
E. Thrane, Andøya Rocket Range, N  
W. Herfs, EASP Office, ESA/ESTEC, NL

## **Symposium Organising Committee**

### ***Chairman***

S. Kemi, SSC/Estrange, S

### ***Members***

B.-M. Lönn, SSC/Estrange, S  
B. Minde, SSC/Estrange, S  
A. Wilson, Proceedings Editor, ESA/ESTEC, NL  
M. Wolf, EASP Office, ESA/ESTEC, NL

## **Venue**

The Symposium will be held at Wisby Strand Congress & Event in Visby, located in Gotland which is Sweden's largest island. 500 years ago, the town was the centre of the Hanseatic League, a mighty trade network of 30 independent cities. Many traders sailed to Visby port and the impressive St Mary's Cathedral was originally built by German traders. Today, Visby is a living world heritage site with people living and working in beautiful, old buildings. Visby is an extremely well-preserved medieval city with a network of narrow, cobbled streets. The many ruins of churches and abbeys give Visby, "the City of Roses and Ruins", its unique charm. It has also a rich tradition of arts and crafts and is the most restaurant-intensive city in Sweden.

## **Travel**

Visby can be reached from Stockholm Arlanda in 40 minutes by air or in about 3 hours by ferry from the mainland of Sweden.

Further details about transportation will be provided in the Second Announcement.

## **Addresses**

Mr. Wolfgang Herfs  
Mrs. Michaela Wolf  
EASP Office  
ESA/ESTEC  
Postbus 299  
2200 AG Noordwijk  
The Netherlands

Tel. : +31 71 565 4129  
          +31 71 565 3365  
Fax : +31 71 565 3042

### **Symposium email address:**

pac@esa.int

### **Symposium website:**

<http://www.spaceflight.esa.int/pac-symposium2007>

### **Notification of Interest**

Notification of interests shall be completed via the Symposium website  
**by 15 September 2006.**