



**XIII Symposium on Atomic and Surface Physics
and Related Topics**

Going/Kitzbühel - Austria - February 17-23, 2002

Contributions

EDITORS: Paul Scheier and Tilmann Märk

**13th SYMPOSIUM ON ATOMIC AND SURFACE PHYSICS
AND RELATED TOPICS 2002
(SASP 2002)**

Dedicated in memoriam to Professor Werner LINDINGER

International Scientific Committee:

D. Bassi, Trento
M. Quack, Zürich
T. D. Märk, Innsbruck

Local Organizing Committee:

Monika Heigl
Tilman Märk
Sara Matt
Paul Scheier

*Institut für Ionenphysik
Universität Innsbruck*



FOREWORD

Twenty-four years ago SASP was founded as a biennial winter conference by members of the Institute for Atom Physics (now: Institute for Ion Physics) of the University of Innsbruck. Since then the format of SASP has been similar to that of a Gordon Conference, with invited lectures, poster presentations with ample time for discussions and indoor and outdoor activities. The attendance of the symposium has been kept at about 100 participants so that active communication between all members is facilitated.

The conference seeks to promote the growth of scientific knowledge and its effective exchange among scientists in the fields of atomic, molecular, cluster and surface physics and related areas, including also applied topics. The symposium deals in particular with interactions between ions, electrons, photons, atoms, molecules and clusters and their interactions with surfaces, but in fact the subject matter of SASP is really much wider than the acronym would indicate. This year there will be in addition a special session devoted to “Proton transfer reaction mass spectrometry” (PTRMS) in memoriam Werner Lindinger, the late co-founder of SASP.

Before the conference there will be a one day mini-symposium on the “Radiation action on bio-molecules” (RADAB).

SASP usually takes place in Austria, but every second time it may be held in a ski resort of another country. The SASP conferences were held at the following locations:

1978	(19 to 23 February)	Zirog
1980	(10 to 16 February)	Maria Alm
1982	(7 to 12 February)	Maria Alm
1984	(29 Jan. to 4 Feb.)	Maria Alm
1986	(9 to 15 February)	Obertraun
1988	(17 to 23 January)	La Plagne
1990	(18 to 24 March)	Obertraun
1992	(19 to 25 January)	Pampeago
1994	(20 to 26 March)	Maria Alm
1996	(21 to 26 January)	Engelberg
1998	(25 to 26 January)	Going
2000	(30 Jan. to 5 Feb.)	Folgaria
2002	(17 to 23 February)	Going

SASP Erwin Schrödinger Award

In 1992 the "SASP Erwin Schrödinger Award for Outstanding Scientific Achievement" was initiated. It is granted to scientists, chosen amongst those who have strong connections to the activities of SASP. So far the award was granted to

1992: David SMITH, Birmingham

1994: Zdenek HERMAN, Praha

1996: Werner LINDINGER and Tilmann MÄRK, Innsbruck

1998: Eldon FERGUSON, Boulder and Chava LIFSHITZ, Jerusalem

2000: Jean FUTRELL, Richland

Recipient of this year's SASP Award 2002 – in the form of the “Erwin Schrödinger Gold Medal” designed by Zdenek Herman – will be

Eugen ILLENBERGER, Berlin

Eugen ILLENBERGER will receive the award for his outstanding contributions to the field of electron molecule interactions a subject that has been in the center of interest of SASP since its beginning.