

## First Circular

### ISSI Workshop **Planetary Systems and Planets in Systems** Saas-Fee, Switzerland, 2–6 September 2002

- Workshop Topic
- Preliminary Programme
- Pre-registration Form

#### **Workshop topic**

The International Space Science Institute (ISSI) in Bern, Switzerland, is organizing a workshop on *Planetary Systems and Planets in Systems*, which will take place in Saas-Fee, Switzerland, from 2 to 6 September 2002. The aim of the workshop is to gather active researchers from various fields to assess the exciting new developments in the search for, and understanding of, systems with multiple planets (including our solar system) and planets in stellar systems:

With improving detection methods and passing time, multiple planetary systems are being discovered in increasing numbers. This workshop shall address the observational and theoretical issues specific to planetary systems and to planets in multiple stellar systems. The focus will be on the detection of planetary systems, of planets in binary or multiple stellar systems and on the understanding of the formation and the dynamical interactions in such systems including their observational consequences (stability, resonances, orbital evolution, etc.). This workshop is held in honor of Professor Michel Mayor's sixtieth birthday.

The workshop will be organized to have five plenary sessions with 20-, 30-, and 45-minute presentations, including ample time for discussions. Great importance will be attached to the discussions in four working groups, which should help to illuminate the subjects in greater depth through lively participation of many experts in various fields. The last day of the workshop will be devoted to conclusions and future objectives. Proceedings will be published in the Space Science Series of ISSI (Kluwer Academic Publishers).

The host and sponsor of the workshop is the International Space Science Institut (ISSI) in Bern. The convenors of the workshop are: W. Benz (U. Bern), J. Geiss (ISSI), M. Mayor (U. Geneva, honorary convenor), S. Udry (U. Geneva), and R. von Steiger (ISSI).

**Preliminary Programme**

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>themes</b>	Giant planets: general view	Multi-planetary systems: obs.	Multi-planetary systems: theory	Planets in systems	Future and conclusions
9:00–9:45	Radial velocity results M. Mayor	Solar nebula J. Lunine	Multiple planet systems W. Kley	Planets in binaries S. Udry	Theory P. Artymowicz
9:45–10:15	Transit searches: Results D. Charbonneau	Times scales in solar system A. Halliday	Chaotic interactions E. Ford	Formation in mult. sys. R. Nelson	Astrometry A. Quirrenbach
10:45–11:15	Char. of stars with planets N. Santos	Pulsar planets A. Wolszczan	Long term evolution J. Laskar	e pumping in binaries T. Mazeh	Imaging D. Rouan
11:15–12:00	Formation scenarii W. Ward	Radial velocity results G. Marcy	Dynamics of planetary systems J. Papaloizou	Dynamics in multiple sys. I. Bonnel	Conclusions & outlook A. Boss
15:30–15:50	Formation S. Ida	Disks, debris A.–M. Lagrange	<b>Excursion</b>	<b>TBD</b>	Final discussion
15:50–16:10	Planetary parameters T. Guillot	Solar system dynamics A. Morbidelli		TBD C. Terquem	Colors of planets F. Allard
16:10–16:30	In situ formation G. Wuchterl	<b>TBD</b>		Report WG 1 (30 min.) T. Brown / P. Sackett	Report WG 2 (30 min.) W. Benz / T. Owen
17:00–18:30	WG 1: Detection methods WG 2: Migration in SS WG 3: Viewing formation WG 4: Interactions	Working groups		Report WG 3 (30 min.) A. Stern / M. McCaughean	Report WG 4 (30 min.) J.–P. Zahn / J. Lissauer

## Pre-registration

### ISSI Workshop **Planetary Systems and Planets in Systems** Saas-Fee, Switzerland, 2–6 September 2002

**I accept the invitation to this workshop and plan to attend.**

Last Name:.....

First Name:.....

Affiliation:.....

Address:.....

City:.....

Country:.....

Tel:.....

Fax:.....

Email:.....

**Comments:**

.....  
.....

*Please send this form to:*  
*International Space Science Institute*  
*Hallerstrasse 6*  
*CH-3012 Bern*  
*Switzerland*  
*or fax it to:*  
*+41 31 631 4897*  
*or send this information by e-mail to:*  
*vsteiger@issi.unibe.ch*