

**International Academy of  
Astronautics**

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Cedex 16, France  
<http://www.iaaweb.org>

**Institute of Applied  
Astronomy RAS**

10 Kutuzova quay,  
191187 St. Petersburg, Russia  
<http://www.ipa.nw.ru>

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**Third IAA Symposium on  
SEARCHING FOR  
LIFE SIGNATURES**



Observatory Svetloe  
 $\varphi = 60^{\circ}32'$ ,  $\lambda = 29^{\circ}47'$



Observatory Zelenchukskaya  
 $\varphi = 43^{\circ}47'$ ,  $\lambda = 41^{\circ}34'$



Observatory Badary  
 $\varphi = 51^{\circ}46'$ ,  $\lambda = 102^{\circ}14'$

Photo credit: <http://ivs.nict.go.jp/mirror/publications/gm2004/finkel/>

***Call for Papers***

***St. Petersburg, Russia,  
June 27-30, 2011***

**<http://iaaweb.org/content/view/295/434/>**

The International Academy of Astronautics created a SETI committee in the seventies now established in Permanent Study Group. Its role is to develop studies, establish protocols to be followed by SETI scientists in the detection, analysis, verification, announcement, and response to signals from extraterrestrial civilizations, call for symposia and cooperate with the scientific community worldwide.

## Conference Rationale

SETI (the “Search for ExtraTerrestrial Intelligence”) refers to the experiments intended to find either radio or optical signals from extraterrestrial societies situated on planets around other stars. The largest radio telescopes world-wide have occasionally pursued SETI searches since 1960, in most cases hunting for signals near in frequency to 1420 MHz (the emission line of neutral hydrogen). Optical SETI searches have been pursued since the 1990s. These attempts to detect extraterrestrial signals are called “Passive SETI”.

In recent years, new kind of SETI, called “Active SETI”, has been discussed by radio astronomers and has actually been attempted in a few cases: it consists of deliberately transmitting signals to enhance the probability of making contact with other hypothetical galactic technological civilizations. In addition, the discovery since 1995 of more than 400 extrasolar planets makes it clear that both Passive and Active SETI may now be “targeted” towards exoplanets that are situated within habitable zones, further increasing the probability of a SETI success.



In conclusion, it is now timely to gather a large conference of experts in SETI, biosignatures, the search for terrestrial exoplanets and related disciplines from all over the globe to openly discuss the strategies of both Passive and Active SETI. These are the goals of the “Searching for Life Signatures” Conference that will take place in St. Petersburg, June 27<sup>th</sup> thru 30<sup>th</sup>, 2011, in the week just prior to the “ORIGINS” IAU Commission 55 Conference that will take place at Montpellier, France, July 3<sup>rd</sup> thru 8<sup>th</sup>, 2011.

## Tentative Program

- Monday, June 27: Morning: PASSIVE SETI - Current and Near-Future Searches.  
Afternoon: PASSIVE SETI - Technological and Societal Issues.
- Tuesday, June 28: Morning: ACTIVE SETI - Proposals and Technological Issues.  
Afternoon: ACTIVE SETI - Societal Issues.
- Wed., June 29: Morning: Radio astronomy and SETI from the Moon’s Far Side and More. Afternoon: Extrasolar Planets, Biosignatures and SETI.
- Thurs., June. 30: Morning: Future Space Missions to detect Extrasolar Habitable Planets.  
Afternoon: General Debate and "Conference Declaration".  
Evening: Conference Dinner.
- Friday, July 1st: Late morning and afternoon: Visit (by bus) to the Svetloe radiotelescope.

### **Program committee:**

Contant Jean-Michel (Chairman)	International Academy of Astronautics, France
Finkelstein Andrey (Co-chairman)	Institute of Applied Astronomy of Russian Academy of Sciences, Russia
Maccone Claudio (Scientific secretary)	International Academy of Astronautics, Italy
Kardashev Nikolay	Astro Space Center of Lebedev Physical Institute of Russian Academy of Sciences, Russia
Gindilis Lev	Sternberg State Astronomical Institute of the Moscow State University, Russia
Ventskovsky Oleg	State Enterprise "Yuzhnoye Design Office" European Representation, Belgium
Zaitsev Alexander	Kotel'nikov Institute of Radioengineering and Electronics of Russian Academy of Sciences, Russia

### **Local committee:**

Finkelstein Andrey (Chairman)  
Shuygina Nadia (Secretary)  
Lysenkov Eugene  
Talvik Alexandra  
Valyaev Valery  
Salnikov Alexander

### **Conference Venue**

The conference will take place at the Institute of Applied Astronomy of RAS, 10 Kutuzova quay, St. Petersburg, Russia.

### **Format of the Conference**

The language of the conference is English.

Contributed paper can be submitted for oral presentation or as poster. Depending upon the number of papers offered, it is hoped to provide 30 minutes for invited papers and 15 minutes for contributed ones, including discussion. For oral presentation a multimedia projector will be in your disposition. Area up to 1.2 square meters will be provided for poster. Submitted papers are reviewed by the Program Committee and selected on the basis of their suitability for inclusion in the program. The Committee reserves the right to reject paper or to change form of its presentation. It is supposed that Proceedings of the Conference will be published soon after the end of the Conference.

Abstracts of papers must be submitted by **March 31, 2011**.

## Registration

In case you are going to attend the Conference please fill in the following form and send it to the address [seti2011@ipa.nw.ru](mailto:seti2011@ipa.nw.ru) before the **31<sup>st</sup> of March, 2011**. Please, fill in the following data in the form:

Family name	
First name	
Second name	
Scientific degree	
Country	
Affiliation (in full)	
Affiliation (short form for badge)	
Position	
Postal address	
Phone	
FAX	
E-mail address	
Title of paper	
Type of presentation (oral/poster)	
Are you speaker <sup>2)</sup>	
Coauthors (enumerate)	

## Registration fee

Registration fee for the conference is 250 Euro (for foreign participants) and 150 Euro (for participants from Russia). It should be paid in cash at the registration desk. The registration fee includes conference materials, coffee breaks, welcome party, transportation and dinner while visit to “Svetloe” observatory, book of abstracts, conference program, volume of Proceedings. Registration fee accompanying persons is 150 Euro.

## Call For Papers Instructions

The SETI Permanent Study Group of the International Academy of Astronautics (IAA) invites to submit Abstracts for the Symposium. Deadline for Abstract Submission is **31.03.2011**. Abstracts (400 words max.) must be submitted to [seti2011@ipa.nw.ru](mailto:seti2011@ipa.nw.ru).

For more details see: <http://iaaweb.org/content/view/295/434/> or <http://www.setileague.org/iaaseti/index.html>

## Important dates:

01.02.2011	First announcement and call for papers
31.03.2011	Registration and abstract submission
01.05.2011	Second announcement with program
27-30.06.2011	The 3rd SETI conference