

# RadioAstron Letter of Intent

## COVER PAGE

Title: Black hole discovery

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Abstract:

100 words limited.

Project science category: AGN

*Select from the following list, more than one can be selected: AGN, pulsars, masers, ISM, astrometry, gravity, other.*

Team contact name and e-mail address: Ivan Petrov (*e-mail: Ivan.Peterov@gmail.com*)

Team members' name(s) and e-mail address for the person(s) intending to attend the RadioAstron key science program consortia organization meeting in MPIfR (Bonn) on December 3-4, 2012:  
John Smith (*e-mail: John.Smith@gmail.com*)

An estimate of the total observing time request: 100 hrs

Number of independent observing segments: 20

Observing band(s) [select from P - 92cm, L - 18cm, C - 6cm, K - 1.3cm]: C and K

Source list or description of the sample selection criteria: SMBH candidates within 100 Mpc from Earth.

Ground array support

- Optimal: all GRTs around the world
- Minimal acceptable: One 100-m telescope (Effelsberg or GBT)

*Up to two pages including figures with a summary of the proposed project,  $\geq 11$  pt font size*

The letter should present

- a description of main scientific merits and critical technical aspects of the intended KSP;
- the scope and goals of the proposal, describe ground resources required for the observations;
- outline general approaches and strategies that would be employed for the observations and data reduction;
- review the team capacities warranting a timely completion of the project.