



SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI

**TRANSLATION OF ANNOUNCEMENT FOR 3 RESEARCH POSITION  
(Decree no. 63 dated 06.02.2013)**

Art. 1

A public selection, based on the evaluation of the research project submitted and academic qualifications (titles and publications), is hereby announced for 3 research positions at the International School for Advanced Studies (SISSA) of Trieste as below mentioned, as specified in the Annex 1.

Art. 2

Candidates must be in possession of a scientific-professional curriculum which enables them to carry out research activity and meet the further requirements specified in the Annex 1. Personnel with permanent positions in Italian Universities, Astronomical and Astrophysical Observatories and Public Research Institutions (in accordance with the Italian law DPCM of 30.12.93, art. 8), E.N.E.A. and A.S.I., or in Institutions which confers scientific degrees considered equivalent to PhD (in accordance with the Italian law DPR no. 382/80, art.74) are excluded from applying.

In accordance with the Italian law 240/10, art.18, are also excluded from applying candidates having a family relationship or other degree of kinship with the following persons:

- SISSA Professors belonging to the Area which is offering the positions;
- Director of SISSA;
- Secretary General of SISSA
- Member of the Council of Administration of SISSA (see Annex A).

The research fellowship is awarded through a private contract which does not give employment status in Italian Universities.

Art. 3

The research fellowship value, as specified for each position in the Annex 1, is intended as gross per year and includes contributions to be paid by the contractor. The fellowship will be paid in monthly installments in arrears. The fellowship for research activity is exempt from IRPEF (Italian income tax) according to art. 4 of Italian law no. 476 dated 13.8.84 and subsequent modifications and integrations. Social security matters are regulated by art. 2, paragraph 26 of Italian law no. 335 dated 8.8.95 and successive modifications and integrations. The School arranges for insurance coverage against accidents in the workplace and for third party liability while carrying out his research activity. The insurance premium will be deducted from the fellowship.

Art. 4

The fellowships cannot be held contemporaneously with other fellowships of whatever kind, except those awarded by Italian or foreign Institutes with the aim of integrating the training or research activity of the fellowship holders through a period abroad. Fellowship holders can carry out other professional activities if they are compatible with the research position, not in conflict of interest with the same position and not prejudicial to the School. Fellowship holders willing to carry out external activity in a continuous way have to submit a request to the Council of the Area they belong that will be then evaluated by the Academic Senate of the School for final



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approval. Following written approval by the scientist responsible for the research project, fellowship holders can participate in research assignments commissioned by SISSA for third parties (in accordance with the art. 66 of the Italian D.P.R. 382/80) and in the division of the earnings coming from this activity, in accordance with the regulations. Fellowship holders can not be enrolled in University Degree courses, PhD courses with fellowship or medical school of specialization in Italy or in a foreign country. The research fellowship holder, who is a State employee, must be given unpaid leave for the period of the fellowship.

### Art. 5

The academic requirements for admission to the competitive selections above mentioned on art.1 are specified in the Annex 1. The examining board will proceed to the selection through the evaluation of the research project and the evaluation of the scientific-professional curriculum. Before the beginning of the evaluations the examining board will define the evaluation criteria for academic qualifications and publications. The academic qualifications evaluation criteria, which can be specified by the examining board coherently with international parameters, will value the relevance, the importance and the quality of:

- The research project submitted by the candidate;
- The proven research activity;
- The academic titles (University Degree, PhD, specialization degrees or other certificates of attendance regarding post-degree specialization courses in Italy or in foreign countries frequency);
- Other qualifications

The academic qualifications must be relevant to the position offered or to similar research field and must be possessed by the applicants at the expiring date of the public announcement.

### Art. 6

The examining board is nominated by the Director of SISSA, according to the proposal of the concerned Area Council. It is composed of at maximum five members representative for the Scientific Area. At the end of the evaluations the examining board will draw up a report, including the evaluation criteria, the total mark obtained by each candidate and a classification of those considered eligible relevant to each scientific field of interest (*Settore Concorsuale*).

The procedure results and the final classification will be approved by Director Decree. The eligible candidate will undertake a research contract with SISSA in accordance with Italian Law no. 240/10, art. 22. The classification will not give any rights to further procedures.

### Art. 7

Applications, which must be consistent with the attached form ("application"), have to be addressed to

the Director of SISSA and **must reach the School**, via Bonomea, 265, 34136- Trieste, **no later than March 8, 2013, 1:00 p.m.**

The application form with the original signature must be sent:

1. by postal mail;
2. by fax (no. +39 040 3787240) if accompanied by a copy of a legible and valid identity document;
3. by delivery to Human Resources Office (Sissa, Via Bonomea 265 – Trieste, rooms 203-204, second floor). from 8:30 a.m. to 2:30 p.m., except the date of expiration at 1.00 p.m.
4. by email to the following address: [assegni.ricerca@sissa.it](mailto:assegni.ricerca@sissa.it)



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In their applications candidates will have to indicate:

- a) their full particulars, date and place of birth, home address, the address where they wish to receive communications regarding their application, the e-mail address and a telephone number. Changes in this information should be rapidly communicated to the Direction of the School;
- b) the specific position to which the applicant wishes to apply. Those who wish to apply for more than one position will have to submit a specific application for each one accompanied by relevant academic qualifications and publications. No reference to academic qualifications or publications submitted in others or previous applications is admitted.
- c) the University Degree obtained, indicating the date it was awarded, the mark obtained and the University which awarded it, the title of the degree thesis and the name of the supervisor;
- d) the title of the PhD Degree obtained, indicating the date it was awarded, the University which awarded it, the title of the PhD Degree thesis and the name of the supervisor;
- e) any other academic qualifications which prove their scientific curriculum;
- f) the complete list of the academic qualifications and publications to be submitted to the examining board. This list must be prepared in accordance with international formats and must specify all the authors. Copy of the academic qualifications (e.g. University Degree) and publications have to be included in the application or, in alternative, sent in pdf. to the following e-mail address: [assegni.ricerca@sisa.it](mailto:assegni.ricerca@sisa.it).

The candidates must attach to the application a brief research project written proposal that the candidates undertakes to carry out in case of being awarded of the research fellowship.

Please note that the application can be sent only as specified in point 1, 2, 3 and 4 of this article. The SISSA Administration does not assume any responsibility for any missing, late or incomplete transmission of documentation connected to the selection process due to postal, telegraphic or computer problems for which SISSA is not at fault.

The SISSA Administration does not assume any responsibility for the loss of correspondence due to an incorrect address indicated by the candidate or due to a late, or lack of communication of address change in the application; mistakes by third parties in delivering correspondence by post or telegramme, fortuitous events or reasons of force majeure.

Within three months of the examination, candidates must meet the expenses of the documents retrieved and of the publications submitted. After this period SISSA cannot be held responsible in any way for these documents and publications.

### Art. 8

After a budget verification has been carried out, the suitable candidate will receive notification of the award of the research contract. Within 30 days from the beginning of the research activity at SISSA, Italian and European Community citizens or non-European Community citizens resident in Italy will have to send to the Direction of SISSA the following documents:

- 1) personal declaration of birth, citizenship and residence or presentation of a valid identity document; non-European Community citizens have to show their passport;
- 2) personal declaration and copy of documents attesting: the possession of a PhD Degree or the completion of a three-year PhD course or the possession of a University Degree including



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the mark obtained and the date in which the degree was awarded or the possession of an equivalent academic qualification;

3) copy of the fiscal code issued in Italy;

Non-European Community citizens authorized to sojourn in Italy in accordance with the conventions between Italy and their own country have to send the same above-mentioned documents. Non-European Community citizens regularly sojourning in Italy can use a substitute declaration exclusively for personal details certified and attested by public Italian bodies in accordance to the Italian law 445/2000.

In any other case the above-stated information has to be documented by a personal declaration and by relative photocopies within 30 days from the beginning of the research activity at SISSA. Within 60 days from the beginning of their research activity winners have to produce a declaration concerning the information requested in points a), c) e d) issued by the foreign competent authorities with a translation in Italian authenticated by the Italian Consulate abroad. The School reserves the right to verify all personal declarations.

Should a letter of acceptance not be received, or the above documents not be presented in time or a candidate refuse the position, the research fellowship will be offered to the next candidate eligible in the classification list, through authorization by the Director, at the express request of the responsible scientist or the Area's coordinator. The starting date of the fellowship shall be agreed with the scientist responsible for the research fellowship.

### Art. 9

The fellowship holders undertake to carry out research activity as foreseen in the contract and in accordance with the research program of the Area. The research activity is carried out in the frame of the research project for which the applicant has been selected. Every year the fellowship holders must present a report of the activity carried out in the previous year to the Council of the Area.

The contract can be terminated, by decision of the Academic Senate and on proposal of the Area Council, heard the counterpart.

The contract is automatically cancelled in the following cases:

- lack or unjustified delay in the starting of the research activity;
- unjustified suspension of the activity for more than 15 days;
- serious violation of the incompatibilities established for the award of the research fellowship;
- negative evaluation of the research activity expressed by the Council of the Area.

An authorized absence of up to 30 days a year does not require the fellowship to be suspended or the absence to be recuperated at a later date.

At least 30 days of advanced notice must be given in case of resignation, in which case no penalty will be applied.

### Art. 10

The total duration of the research fellowship and the eventual renewals must not exceed 4 years with the same subject. To this end, the period in which the subject has been enrolled in PhD courses (without grant) is not taken into account. In accordance with Italian Law no. 240/10 one subject can not be awarded research fellowship or temporary researcher contracts with SISSA or other universities, public, private or telematic nor with other subject as specified by art. 1 of



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the Italian law no. 240/10 for a period exceeding 12 years. To this end the periods of absence due to maternity leave or state of illness are not taken into account.

The research fellowship renewal is decided by the School Academic Senate and, as for the financial coverage, by the Council of Administration, on the basis of the evaluation of the research activity carried out by the fellowship holder, the state of the art of the research programme, following request of the scientist responsible in the Sector for the research fellowship.

### Art. 11

SISSA, in accordance with the Italian D.Lgs. 30.06.2003 n.196, undertakes to respect the privacy of all personal data provided by the candidates: all data will be used only for the purposes of the selection and for the drawing up of the relevant contract.

Trieste, 06.02.2013



## SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI

### Annex 1

#### Position 1 – **Mathematics Area**

Area: 01 – *Mathematical and Information technology Sciences*

Settore concorsuale: 01/A3 Mathematical analysis, Mathematical probability and statistics

Focus of the research activity: "Analysis and Geometry in sub-Riemannian spaces"

Scientific Area of interest: Mathematical Analysis and Applied Mathematics

Responsible scientist: prof. Andrey Agrachev

Members of the research group: Andrey Agrachev (professor), Dario Prandi (Ph.D student), Luca Rizzi (Ph.D student), Alessandro Gentile (Ph.D student), Elisa Paoli (Ph.D student), Pavel Silveira Diaz (Ph.D student).

Minimum curricular requirements:

- University Degree in Mathematics;
- Proven Experience in Differential Geometry and Partial Differential Equations.

Preferential title: Ph.D in Mathematics.

Evaluation criteria of titles: CV, publications.

Duration of the research fellowship: 12 months, renewable for further 12 months.

Annual gross employee: € 23.760,00.

Financing by School funds.

Approved by:

Mathematics Area on 13.11.2012

SISSA Academic Senate on 22.01.2013

SISSA Administration Council on 29.01.2013



## SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI

### Position 2 – **Mathematics Area**

Area: 01 – *Mathematical and Information technology Sciences*

Settore concorsuale: 01/A2 Geometry and Algebra

Focus of the research activity: “Algebraic geometry (moduli spaces of vector bundles)”

Scientific Area of interest: Algebraic Geometry

Responsible scientist: prof. Ugo Bruzzo

Members of the research group: Ugo Bruzzo (professor), Barbara Fantechi (professor), Fabio Perroni (researcher);

Minimum curricular requirements:

- Ph.D in Mathematics;
- Proven Experience in researches on the geometry of moduli spaces of vector bundles and related topics in algebraic geometry;

Evaluation criteria of titles: CV, publications.

Duration of the research fellowship: 24 months (renewable for further 12 months).

Annual gross employee: € 23.760,00.

Financing by School funds.

Approved by Mathematics Area on 13.11.2012

SISSA Academic Senate on 22.01.2013

SISSA Administration Council on 29.01.2013



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### Position 3 – **Mathematics Area**

Area: 01 – *Mathematical and Information technology Sciences*

Settore concorsuale: 01/A2 Geometry and Algebra, 01/A4 Mathematical Physics

Focus of the research activity: Noncommutative Geometry

Scientific Area of interest: Noncommutative Geometry

Responsible scientist: prof. Ludwik Dabrowski

Members of the research group: Cesare Reina (professor), Ludwik Dabrowski (professor), Gherardo Piacitelli (research fellowship holder), Fabian Belmonte (research fellowship holder), Alessandro Zucca (Ph.D student), Marco Matassa (Ph.D student).

Minimum curricular requirements:

- University Degree in Mathematics or Physics;
- Proven Experience in Noncommutative Geometry;

Preferential title: Ph.D in Mathematics.

Evaluation criteria of titles: CV, publications.

Duration of the research fellowship: 12 months (renewable for further 12 months).

Annual gross employee: € 23.760,00.

Financing by School funds.

Approved by Mathematics Area on 13.11.2012

SISSA Academic Senate on 22.01.2013

SISSA Administration Council on 29.01.2013