



**INŠTITUT ZA MATEMATIKO, FIZIKO IN MEHANIKO**  
**INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS**

SLOVENIJA, 1000 Ljubljana, Jadranska ulica 19  
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Pursuant to Scientific Research and Innovation Activities Act (Official Gazette of the Republic of Slovenia No. 186/21, with amendments), Regulation on the Financing of Scientific Research Activities from the Budget of the Republic of Slovenia (Official Gazette of the Republic of Slovenia No. 35/22), General act on the stable financing of scientific research (Official Gazette of the Republic of Slovenia No. 87/22, with amendments) and Rules of the Institute of Mathematics, Physics and Mechanics on the selection and financing of young researchers of December 14, 2022, Institute of Mathematics, Physics and Mechanics, Jadranska ulica 19, Ljubljana, hereby announces the

**Public Call**  
**to Tender for Young Researchers in 2024**

The terms used in this document and appendices, written in the grammatical form of the masculine gender, are used as neutral for all genders.

The scope of the public call to tender is to select young researchers who will begin training in 2024, in order to obtain the scientific title doktor znanosti (equivalent to a PhD) in the following Research areas and with selected mentors – one available position in each:

<b>Research area</b>	<b>Programme</b>	<b>Mentor</b>
Mathematics	P1-0222 – Algebra, operator theory and financial mathematics	Doc. dr. Urban Jezernik
Mathematics	P1-0291 – Analysis and geometry	Prof. dr. Franc Forstnerič
Mathematics	P1-0297 – Graph theory	Prof. dr. Drago Bokal
Computer intensive methods and applications	P1-0294 – Computationally intensive methods in theoretical computer science, discrete mathematics, combinatorial optimization, and numerical analysis and algebra with applications in natural and social sciences	Prof. dr. Primož Potočnik
Physics	P2-0348 – New imaging and analytic methods	Prof. dr. Zvonko Jagličič

**Conditions for young researcher candidates:**

- They have not completed their PhD or obtained the scientific title, equivalent to doktor znanosti (PhD) yet;
- They have not been employed as a young researcher yet;
- No more than four years have elapsed from the year of completion of the study programme with which they have enrolled/will enrol in doctoral studies to the year of the beginning of employment. In the event of absence due to parental care after the completion of the study programme, with which they have enrolled/will enrol in doctoral studies, this period shall be extended for one year. The same applies in the case of absence due to a long-lasting illness (at least six months).

The selected young researcher, who will not have completed a second-cycle study program at the time of application, must complete the study no later than September 15, 2024.

The Institute of Mathematics, Physics and Mechanics does not employ candidates for young researchers who, upon signing the contract, are enrolling in an additional year of the third-cycle study program or have already utilized such status, candidates who have already been funded in the program of young researchers through the Public Agency for Scientific Research and Innovation of the Republic of Slovenia and candidates who already hold a Ph.D. degree.

**Criteria for assessment and evaluation of candidates:**

- Candidate interview assessment (up to 5 points);
- Articles published (up to 3 points);
- Participating in research work (up to 3 points);
- Received awards (a maximum of 1 point);
- Average grade of the Master's degree programme or study programme with which the candidate have/will enrol in the doctoral study programme (1 point for an average grade from 9 to 10 inclusive and 0.5 points for an average grade from 8 to 8.99 inclusive);
- Letters of recommendation (up to 2 points)
- Master thesis (up to 3 points)

The evaluation of the criteria listed can be checked in the attached form entitled "Confirmation and assessment sheet". The mentors will examine whether the candidates fulfil all the required conditions and will assess them in writing based on the criteria stated above.

**Applications to the public call must include:**

- **Filled in completely and signed Application form** – Form no. MR-2024;
- **Written statement signed by the candidate confirming to graduate by September 15, 2024 and submit the diploma certificate by the same date** (only for candidates who will not complete the study programme with which they will enrol in doctoral studies by the day of application) – STATEMENT No. 1;
- **Written statement of data privacy signed by the candidate** – STATEMENT No. 2;
- **Written statement signed by the candidate, declaring that he has not been financed in a young researcher programme till now** – STATEMENT No. 3;
- **Proof of education:**
  - ❖ a photocopy of a university diploma or a photocopy of the diploma of the first and second level of the master's study program (Bologna study program);
  - ❖ proof of completed scientific master's degree;
  - ❖ an appendix to the diploma or an appendix to the diplomas, if the candidate is enrolled in the first year of the third-level study program, or a certificate of completed exams and exercises and the average grade for the

first and second levels of the master's study program, if the candidate has not yet been awarded a degree;

- **certificate of enrollment in postgraduate study and proof of completed obligations**, if the candidate is already enrolled;
- **Proof of the grade point average in undergraduate studies** (i.e. supplement to the degree or officially certified list of all examinations and exercises taken, from which the grade point average can be seen clearly - correct to two decimal places);
- **Citizenship certificate** (a photocopy of the identity card or passport, signed by the holder in his own hand - the photocopy will be returned to the holder after the procedure from this tender has been completed);
- **At least one Letter of recommendation**;
- **An electronic copy of the master's thesis** in Slovenian or English (if the candidate has already completed a master's degree), otherwise a draft of the master's thesis. If the master's thesis is not written in Slovenian or English, an extended summary in Slovenian or English must be attached.

**The application may include the following attachments:**

- Proof of awards or recognitions received, list of published scientific articles and proof of any participation in research work;
- Proof of eventual maternity or parental leave and/or of extended absence due to illness.

All personal data provided by candidates in the application will be used exclusively on the basis of laws and for the purpose of employment at the Institute of Mathematics, Physics and Mechanics.

**Foreigners or candidates who graduated abroad:**

Foreigners, who will apply to this public call, have to obtain all the necessary documents for employment in the Republic of Slovenia, no later than September 15, 2024 (STATEMENT No. 1).

In the case that the candidate for a young researcher has not completed a first-level study program or a second-level study program or a master's degree in the Republic of Slovenia, he must also submit:

- a decision/conclusion of a higher education institution in the process of recognizing foreign education for the purpose of continuing education in the Republic of Slovenia.

**Period of employment relationship:**

The Institute of Mathematics, Physics, and Mechanics will enter into an employment relationship for a specific period of training to obtain a doctoral degree with the selected candidate, as stipulated by Article 12 of the Rules on the selection and financing of young researchers at the Institute of Mathematics, Physics, and Mechanics, but for no more than four years.

**Application methods:**

Candidates should send applications with a short CV and proof of eligibility no later than Monday **April 15, 2024**:

- To e-mail address [katarina.music@imfm.si](mailto:katarina.music@imfm.si) with reference to the subject "**Call for young researchers 2024**". The e-mail must include the sender's name, surname and full address of residence (candidates must indicate the address at which they can be reached at the time of selection notification).

**Or**

- By regular mail to the address **Institute of Mathematics, Physics and Mechanics, Jadranska ulica 19, 1000 Ljubljana**, marked "**Call for young researchers 2024**". The name, surname and full address of the sender must be indicated on the envelope (candidates must indicate the address at which they can be reached at the time of notification of the selection).

**Only fully completed applications will be considered in the selection procedure, providing they have been delivered to the Institute before the deadline stated above.**

**Ensuring equal opportunities**

The call to tender ensures gender equality and prevents any discrimination of any young researcher candidate.

Institute will perform the selection of the young researchers in mutual agreement with the selected mentors. The candidates will be informed of the selection results **no later than May 20, 2024**.

**Further information and warnings:**

The candidates chosen for young researchers have to apply separately for the call for enrolment in postgraduate study programmes in the study year 2024/25 at the chosen faculty of postgraduate studies.

Ljubljana, 15.03.2024

Director  
prof. dr. Peter Šemrl

**Documentation for Call for Applications:**

- Entire text of public call
- Application form No. MR-2024
- Statement No. 1
- Statement No. 2
- Statement No. 3
- Confirmation and assessment sheet (not to be enclosed in application).

**INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS**

Jadranska ulica 19, 1000 Ljubljana

MR-2024

**APPLICATION FORM**

<b>1. CANDIDATE</b>	
Name:	
Surname:	
Date of birth:	
Citizenship:	
Permanent residence:	
Temporary residence:	
Correspondence address:	
Mobile phone number:	
E-mail address (write legibly):	

<b>2. EDUCATION</b>	
University:	
Faculty:	
Date of graduation: (filled in by candidates who already completed the Master's degree)	
Expected date of graduation: (filled in by candidates who have not completed the Master's degree yet)	

<b>3. MENTOR AND FIELD OF RESEARCH</b>	
Name and surname of mentor	Field of research

Place and date: \_\_\_\_\_

\_\_\_\_\_

Candidate's signature:

**To be filled by the Institute of Mathematics, Physics and Mechanics**

Date of application received: \_\_\_\_\_

Applied in due time:      YES      NO

Application is complete:      YES      NO

**INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS**

Jadranska ulica 19, 1000 Ljubljana

STATEMENT No. 1

**STATEMENT No. 1**

(Only for candidates who will not complete the study programme with which they will enrol in doctoral studies by the day of application)

As a candidate for the position of a young researcher I, the undersigned \_\_\_\_\_ hereby declare that I will complete Master's studies or present the decision/conclusion regarding the recognition and assessment of education for educational purposes in the Republic of Slovenia, together with the conversion of the average grade point of post-graduate studies.

I will submit supporting documents **no later than September 15, 2024.**

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(Signature of candidate for young researcher)

**INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS**

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STATEMENT No. 2

**STATEMENT No. 2**

As a candidate for the position I, the undersigned \_\_\_\_\_ hereby declare that my personal data provided in the application for the 2024 Public Call for young researchers, announced by the Institute of Mathematics, Physics and Mechanics may be used for the records and registers as stipulated by the Article 6 (b) of the General Data Protection Regulation.

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(Signature of candidate for young researcher)

**INSTITUTE OF MATHEMATICS, PHYSICS AND MECHANICS**

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STATEMENT No. 3

**STATEMENT No. 3**

As a candidate for the position of a young researcher I, the undersigned

\_\_\_\_\_ hereby declare not to have been financed in a young  
research programme thus far.

\_\_\_\_\_  
(Place and Date)

\_\_\_\_\_  
(Signature of candidate for young researcher)



**CONFIRMATION AND ASSESSMENT SHEET**  
of candidate for young researcher (YR)  
Public Call published on **March 15, 2024**

1. Research organization: **Institute of Mathematics, Physics and Mechanics**
2. Name and surname of mentor: \_\_\_\_\_
3. Name and surname of candidate: \_\_\_\_\_
4. Research Area: \_\_\_\_\_

**I. Fulfilment of conditions of YR candidate (circle)**

1. He has completed a doctorate in science (PhD) or has the scientific title of doctor of science.	Yes	No
2. He has completed a Master's degree and he meets all the conditions for enrolment in postgraduate studies and no more than four years have elapsed from the year of completion of the study programme	Yes	No
3. The candidate has already been financed through a young research programme.	Yes	No

**The candidate fully meets the conditions required** **Yes**    **No**

**II. Assessment of YR candidate (assessed by the mentor)**

1. Candidate interview assessment	(up to 5 points)	
2. Articles published	(up to 3 points)	
3. Participating in research work	(up to 3 points)	
4. Received awards	(a maximum of 1 point)	
5. Average grade of the Master's degree programme or study programme with which the candidate have/will enrol in the doctoral study programme	(1 point for an average grade from 9 to 10 inclusive and 0.5 points for an average grade from 8 to 8.99 inclusive)	
6. Letters of recommendation	(up to 2 points)	
7. Master thesis	(up to 3 points)	

**Total assessment:** \_\_\_\_\_

**The candidate is selected** (mentor circles accordingly) **Yes / No**

**Mentor:** (date) \_\_\_\_\_ (signature) \_\_\_\_\_

**Head of Division:** \_\_\_\_\_

**Director:** \_\_\_\_\_

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