

Approved at the Meeting of
the School of Applied Mathematics
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National Research University Higher School of Economics

HSE Tikhonov Moscow Institute of Electronics and Mathematics
School of Applied Mathematics

**Portfolio contents and assessment criteria
for applicants for the
Master's programme in Supercomputer Simulations in Science and Engineering**

Programme Academic Supervisor

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Portfolio competition:

1) interview with the Admissions Committee - up to 60 points.

Interviews with international applicants, as well as those from other cities, can be held online.

2) individual achievements - up to 40 points.

Applicants shall submit their degree certificates (Bachelor's, Specialist, and/or Master's diplomas) with respective supplements in order to assess their individual achievements. Field-specific education, as well as diplomas with honours, shall be given particular consideration.

When the Committee reviews documents, the following research experience shall be considered:

- reports at international and Russian conferences, research seminars, etc., as confirmed by a certificate of participation issued to participants in such events, or the programme of an academic event
- publications or research papers (articles, key notes) accepted for publication. Web of Science, Scopus, VAC, and RSCI-indexed publications will be considered. Originals, or references to open sources, or a confirmation from the publisher must be submitted
- participation in research projects, and academic grants - to be confirmed by the project's details and an abstract explaining the focus of the applicant's paper
- diplomas held by winners and prizewinners of international student competitions/olympiads (diplomas in the relevant field of study shall be considered)
- personal scholarships (as confirmed by a statement issued by a foundation or dean's office, or a list with winners of a scholarship competition from an open source).

When assessing individual achievements:

1) Total scores for individual achievements shall not exceed 40 points. The points shall be counted as per the Table of Individual Achievements. An applicant's achievements for the 4 (four) years before their admission shall be counted, unless otherwise specified in the Table;

2) Extra points for each individual achievement shall be granted only if relevant confirmations have been submitted;

3) Individual achievements, as specified in p. 4 and p. 6 hereof (Table of Individual Achievements), will be counted only once;

4) Reports presented at online-conferences shall not be viewed as individual achievements;

5) A conference shall be considered international if English is its working language. In all other cases, the conference shall be referred to p. 2 (Table of Individual Achievements);

6) With total points being equal, an applicant having at least 1 (one) individual achievement shall have priority for admission.

7) Up to 5 (five) points shall be granted for the total number of certificates and diplomas (p. 10 of the Table of Individual Achievements).

Table of Individual Achievements

No.	Portfolio Section	Terms for adding points
1	Report at an international conference	presentation — 10 points; poster presentation — 7 points;
2	Report at a home conference	presentation — 5 points; poster presentation — 3 points;
3	Publication in a research journal	15 points for Web of Science or Scopus-indexed journals, in Q1 or Q2; 10 points for Web of Science or Scopus-indexed journals, in Q3 or Q4; 5 points – for non-indexed journals, included in the VAC/RSCI list.
4	Winners and prizewinners of hackathons	4-10 points
4	One of the following certificates available: TOEFL, IELTS, FSE, CAE or CPE	4 points, provided that the result was obtained at least within two years before the application date
5	An application for a patent	2 points
6	A patent	4 points
7	Bachelor's, Specialist or Master's diploma	4-10 points (taking into account the field of study, average score, diplomas with honours, etc.)
8	Participation in research projects in a relevant field of study	10 points
9	Practical experience in a relevant field	10 points
10	Personal achievements (certificates, diplomas, scholarships, etc.)	0-5 points