ACADEMIC CURRICULUM VITAE

SECTION A: GENERAL INFORMATION

- **Name:** Sergei S. Ospichev.

- **Position:** Researcher, Sobolev Institute of Mathematics, Novosibirsk, Russia.

- **Other position:** Lecturer, Mathematics Deaprtment, Novosibirsk State University, Russia

- **E-mail:** ospichev@gmail.com

EDUCATIONAL QUALIFICATIONS:

- 2010-2013: Ph.D. in Mathematics,
  Thesis: *Algebraic and Structure properties of Rogers semilattices in Ershov hierarchy*,
  advisor: prof. S.S. Goncharov

- 2005-2010: BA and MA, Mathematics Department, Novosibirsk State University, Russia

- 2003-2005: Mathematics Department, Kemerovo State University, Russia.

APPOINTMENTS

- 2009-present: Sobolev Institute of mathematics, Novosibirk, Russia, Researcher (from 2014),Junior Research Fellow (from 2013), Research Assistant (from 2009)

- 2009-present: Novosibirsk State University, Mathematics Department, Sub-department od Discrete Mathematics and Informatics, Lecturer(from 2016), Assistant(from 2011), Tutor(from 2009)

- 2016, 2018, 2019: Visiting Reseacrher, Nazarbaev University, Astana, Kazachstan.

- 2011 (July-August): Visiting Researcher, Siena University, Italy.

- 2011 (February): Visiting Researcher, Al-Farabi Kazakh National University, Almaty, Kazachstan.

SECTION B: RESEARCH

Primary research areas:
a)generalized computability (Goncharov-Sorbi approach)
c)computable numberings
d)computable functionals
e)m-reducibility and m-degrees
f)foundations of semantic programming
g)complexity of formulas

Conferences:

- 2009-2019: Logic Colloquium, European Summer Meeting of the ASL, contributed talks

- 2009-2011,2013-2019: Malcev Meeting, Novosibirsk, Russia, contributed talks

- 2012: Malcev Meeting, Novosibirsk, Russia, plenary talk.

- 2010,2011, 2019: Computability in Europe, contributed talks

- 2011: Lobachevsky Meeting, Kazan, Russia, contributed talk

Work in Progress:

- Project: *Computable numberings of partial computable functionals of finite types.*

- Project: *Generalized computable numberings.* Collaborators: N. Bazhenov (Sobolev Institute of Mathematics), B. Kamurzaev (Al-Farabi Kazakh National University), M. Mustafa (Nazarbayev University), M. Yamaleev (Kazan Federal University).

- Project: *Complexity of formulas in semantic programming.* Collaborators: S. Goncharov(Sobolev Institute of Mathematics), D. Ponomaryov(A.P. Ershov Institute of Informatics Systems), D. Sviridenko(Sobolev Institute of Mathematics)

Selected refereed papers:

1. S. Goncharov, S. Ospichev, S, D. Ponomaryov, D. Sviridenko, The expressiveness of looping terms in the semantic programming, Siberian Electronic Mathematical Reports, 2020, Vol. 17, pp. 380-394.

2. S. Ospichev, Friedberg numberings of families of partial computable functionals, Siberian Electronic Mathematical Reports,2019, Vol. 16, pp. 331-339.

3. N. Bazhenov, M. Mustafa, S. Ospichev, Bounded Reducibility for Computable Numberings, LNCS, 2019, Vol. 11558, pp. 96-107.

4. S. Ospichev, D. Ponomaryov, On the complexity of formulas in semantic programming, Siberian Electronic Mathematical Reports, 2018, Vol. 15, pp. 987-995.

5. S. Ospichev, Computable Families of Sets in the Ershov Hierarchy Without Principal Numberings, Journal of Mathematical Sciences, 2016, Vol. 215, Issue 4, pp. 529-536

6. S. Ospichev, Friedberg Numberings in the Ershov hierarchy, Algebra and Logic, 2015, v. 54, Issue 4, pp. 283-285

7. S. Ospichev, Infinite family of Σ_a^{-1}-sets with a unique computable numbering, Journal of Mathematical Sciences, 2013, Vol. 188, Issue 4, pp. 449-451.

8. S. Ospichev, Properties of numberings in various levels of the Ershov hierarchy, Journal of Mathematical Sciences, 2013, Vol. 188, Issue 4, pp. 441-448.

9. S. Ospichev, Computable family of Σ_a^{-1}-sets without Friedberg numberings. In *6th Conference on Computability in Europe, CiE 2010*, 6th Conference on Computability in Europe, CiE 2010, Ponta Delgada, Azores, 2010, pp. 311-315.

Books:

1. Yu.D. Korolkov, S.S. Ospichev, Algorithmic properties of computable numberings, Irkutsk State University, in Russian.

SECTION D: TEACHING

I have taught the following courses at The Novosibirsk State University:

Year	Title
2013-20	Mathematical Logic(seminars)
2009-20	Algorithms Theory(seminars)
2014	Mathematical Logic(lectures)
2014	Linear Algebra and Analytical Geometry(lectures)

Administrative work at the Novosibirsk State University:
From 2014 – academic secretary of Sub-Department of Discrete Mathematics and Informatics. This is administration duty that involves managing teaching activities of about 30 employees and students of this sub-department.

SECTION E: SERVICE

- Member of Malcev meeting organizing committees (2009–2019)

- Refereeing for the following journals: Algebra and Logic, Siberian Journal of Mathematics, Annals of Pure and Applied Logic, Mathematical Logic Quarterly, Mathematical Reviews