

# Curriculum Vitæ

Klim Sladkov

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## Research interests

Nonlinear optics, magneto-optics, second harmonic generation

## Education

**2018** Master of Science (physics), Lomonosov Moscow State University, Russia

M.Sc. thesis title: Magneto-induced nonlinear optical effects in planar nanostructures with noncollinear magnetization

advisor: prof. Murzina Tatiana

**2016** B.Sc. (physics), Lomonosov Moscow State University, Russia

graduation thesis title: Magneto-optical phenomena in structures with inhomogeneous magnetization

advisor: prof. Murzina Tatiana

**2012** Basov Gymnasium (secondary school, focus on physics, maths, languages)

## Conference contributions:

**2017** Second harmonic generation in structures with noncollinear magnetization. XXI International symposium "Nanophysics and nanoelectronics", Nizhniy Novgorod, Russia.

## Education, teaching, and undergraduate research:

- All-Russian Young Physicists' Tournament, team leader and supervisor (2015-...), team member (2011-12)
- Austrian Young Physicists' Tournament, team member (2011-2012)
- Moscow Young Physicists' Tournament, Head of OC, team leader and supervisor of top rank teams since 2015
- Bryansk and Tver Young Physicists' Tournament, organizer. (2017-...)
- Voronezh Chemistry Olympiad, gold (2010-2012) winner
- International Natural Sciences Tournament, team leader of silver winner team (2019), member (2015,2017)
- All-Russian High-School Physicists Tournament, team leader of Lomonosov MSU team (2018), member (2016,2017)
- "Mysteries of big energy" show, Russian radio Deti FM. Script writer and actor of weekly program about physics for undergraduate students broadcasted nationwide (2016).

## Teaching experience

- Advanced Educational Science Center of Lomonosov Moscow State University, Physics teacher (2017-...)
- Summer camp of Sciences LaNaT, project manager, (2015-2018)
- Taught, advised and co-supervised teams of secondary and high school students preparing to regional and national science tournaments (led weekly seminars, lab sessions, discussion groups with about 5...10 students in a group, made talks and presentations, assisted students with research-based problems via long-term correspondence) since 2014

## Languages

- Native Russian
- Fluent English (FCE)

## Computer skills

- Win / Mac / Linux
- html, office and graphics software, Wolfram Mathematica; Python, Comsol (basic)

## Education, teaching, and undergraduate research:

- All-Russian Young Physicists' Tournament, team leader and supervisor (2015-...), team member (2011-12)
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## References

Dr Murzina Tatiana, Lomonosov MSU,  
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Dr Parfenov Konstantin, Lomonosov MSU,  
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## Personal and contact details

Name: Sladkov, Klim

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