

# Curriculum vitae

**Ms Iuliia Zhurakovskaia**



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**Relationship status:** single

**Academic degrees:** PhD in Computer Science, Master in Physics, Master in International Biometrics

## Education

2018-2022	<b>PhD student</b> at University Paris-Saclay, École Doctorale – Sciences et Technologies de l'Information et de la Communication, VENISE group at LISN - CNRS. Orsay (France)  The theme of the thesis: « <b>Serious immersive games for learning physics - JeSeiPa</b> »
2016-2018	<b>Master</b> in University Paris-Est Creteil Val-de-Marne, Faculty: Sciences and Technology, Field of study: Computer Science/Computer Vision/Biometrics, speciality – <b>International Biometrics</b> (Assez Bien). Creteil (France)
2015-2016	<b>Master2</b> in Physics in Université de Cergy-Pontoise, speciality – <b>Theoretical Physics and Application</b> (Student exchange program). Cergy (France)
2014-2016	<b>Master in Physics</b> in Bashkir State University, Department of Physics, speciality - Physics of modern radio-electronic technologies (with honours). Ufa (Russia)
2010-2014	<b>Bachelor's degree</b> in Bashkir State University, Department of Physics, speciality – <b>Radio-physics</b> (with honours). Ufa (Russia)
2008-2009	Tomsk State University of a control system and radio-electronics (TUSUR University), Education centre «School University», qualification - <b>PC Operator</b> . Norilsk (Russia)
2006-2007	Tomsk State University of a control system and radio-electronics (TUSUR University), Education centre «School University», qualification: <b>PC User</b> . Norilsk (Russia)

## Work experience

02.04.2018 - 21.09.2018	<b>Internship</b> at LISN, VENISE group (Virtual & augmented environments for simulation & experiments). Orsay (France).  Theme “Study on bio-physiological sensors to analyse cybersickness”
March 2015	<b>Teaching practice</b> at Bashkir State University, Department of Physics. Courses of digital signal processing and statistical radio-physics. Ufa (Russia)
07.2013- 04.2014	<b>Designer engineer</b> . Group BashInformSvyaz “Ufa plant” Promsvyaz” (Bashkir Information Coupling “Ufa plant” Industrial Communication”), Department of Development of electronic components, Chief designer management department. Ufa, (Russia)  Duties: board design, schematic drawing, recordkeeping
07.2013	<b>Familiarization Practice</b> . Electronic Engineer 2 <sup>nd</sup> category, Municipal Unitary Enterprise “Vodokanal” (“Water Canal”), Service automation systems control. Ufa (Russia)

## Research (Publications and presentations)

1. I. Zhurakovskaia. "What is energy", Conference "**Foreign language in professional communication**", Bashkir State University, materials of student scientific conference, 2013, pp.139-140. (Diploma for active participation) - *Eng.*
2. I. Zhurakovskaia, S. Gots. "**Methods for determining the lost tangent for water-oil emulsion and oil in the radio, infrared and optical ranges**", National Youth Scientific Conference "Urgent issues of science and education", 2013. (Diploma for the best report) - *Ru.*
3. I. Zhurakovskaia, S. Gots. "**Resonant absorption of electromagnetic waves bio-tissues**", XX Russia Scientific Conference of physics students and young scientists, Izhevsk, 2014, pp.373-374. (Diploma for participation) - *Ru.*
4. I. Zhurakovskaia, S. Gots. "**Computer unit for research effect of electromagnetic radiation in the visible range to the emulsion**", II National Youth Scientific Conference "Actual problems of nano- and microelectronics", Theses of reports, 2014, p.18 - *Ru.*
5. I. Zhurakovskaia, S. Gots. "**Experimental research of influence of electromagnetic radiation within the range of 0,35-0,7 mkm on bifid-bacteria**", XI Russia Scientific Conference of physics students and young scientists, Omsk, 2015, pp.353-354 - *Ru.*
6. I. Zhurakovskaia, J. Vezien, C. De Hosson, and P. Bourdot. "**Comparison of pseudo-haptic feedbacks for learning physics: the case of the mass physical parameter**", Presentation at the EuroVR 2020, 25-27 November 2020 in Valencia, Spain - *Eng.*
7. I. Zhurakovskaia, J. Vezien, C. De Hosson, and P. Bourdot. "**Immersive Serious Games for Learning Physics Concepts: The Case of Density**", In book: Virtual Reality and Mixed Reality, 18th EuroXR International Conference, Proceedings. 24-26 November 2021, Milan, Italy. DOI: 10.1007/978-3-030-90739-6\_12 - *Eng.*
8. I. Zhurakovskaia, J. Vezien, and P. Bourdot. "**Teaching with a companion: the case of gravity**", Accepted at the 22nd IEEE International Conference on Advanced Learning Technologies, 2022 – *Eng.*

## Other achievements

2010	Included in the encyclopaedia "The Gifted Children – The Future of Russia", section "The future belongs to them", 5th issue - <a href="http://www.deti.llr.ru/content/36581/?letter=%C6&amp;page=41">http://www.deti.llr.ru/content/36581/?letter=%C6&amp;page=41</a>
2014	- Participant of "Youth Information SCO Forum", Ufa (Russia) - Participant of "All-Russian Student Forum "Time to Create the Future", Moscow (Russia)
2013-2014	High academic scholarship for outstanding achievements in teaching, research, and creative activities
2015-2016	Scholarship of the French Government

## Additional information

**Computer skills:** MS Office, PyCharm, IntelliJ IDEA, Android Studio, MAMP, Altium Designer, Xara Designer, Corel Draw, Photoshop, Unity, OpenSignals (r)evolution, VirtualBox (Linux), OpenCV, Unity, LaTeX.

**Programming skills:** Matlab, Delphi, C#, Java, Python, SQL.

**Languages:** Russian (native), English (Intermediate), French (A1).

**Hobbies and interests:** Drawing, reading, yoga.

**Skills:** Driver's license (B).

**Other:** My CV in the electronic version you can see on the website <https://www.linkedin.com/in/iulijazhu/>