На английском языке:

<table>
<tr><td>University</td><td>Peter the Great Saint Petersburg Polytechnic University</td></tr>
<tr><td>Level of English proficiency</td><td>Upper Intermediate</td></tr>
<tr><td>Courses and fields of studies offered for applicants</td><td>03.06.01 Physics and Astronomy
03.06.01_04 Physical Electronics</td></tr>
<tr><td>Projects for potential academic supervision</td><td>Initiative Research "Materials For organic electronics".</td></tr>
<tr><td>Topics offered for prospective researches</td><td>Dielectric and optical properties of composite film materials based on polyvinyl alcohol and various dopants (allotropic modifications of carbon, metal powders, ceramics, inorganic salts, conductive polymers)
Modeling of dielectric properties of composite materials based on a polymer matrix and various dopants (allotropic modifications of carbon, metal powders, ceramics, inorganic salts, conductive polymers)</td></tr>
<tr><td rowspan="4"> 
Research supervisor:
Viktoriia M. Kapralova,
Candidate of Science in Physics and maths, from the Institute of Macromolecular Compouds RAS</td><td>Заголовок (указывается направление международной карты науки, соответствующее области исследования)</td></tr>
<tr><td>Supervisor’s research interests
Physics of polymer materials, polymer dielectrics, conductive polymers, organic electronics materials, polymer-based composite materials..</td></tr>
<tr><td>Supervisor’s specific requirements:
General physics, general chemistry, organic chemistry, and basic electronics are desirable in the background. Polymer physics is a special advantage.</td></tr>
<tr><td>Supervisor’s publications 29 in 2020-2024
1. Dielectric Properties of Organophosphorus Polyurethane Ionomers. - I.M. Davletbaeva, O.O. Sazonov, E.A. Nikitina, V.M. Kapralova, A.A. Nizamov, I.G. Akhmetov, A.V. Arkhipov, N.T. Sudar// Journal of Applied Polymer Science, - 2022, Volume139, Issue10, 51751 DOI: 10.1002/app.51751
2. A mechanism of pulse breakdown evolution in polymeric films.- Semenov S.E., Kapralova V.M.,Pakhotin V.A., Sudar N.T.// Physics of the Solid State.-2022, Issue8, p. 954 DOI: 10.21883/PSS.2022.08.54610.346
3. Electrical and optical properties of a nanocomposite based on poly(vinyl alcohol) and fullerenol.- E.A. Nikitina, V.M. Kapralova, N.T. Sudar, V.M. Studzinskii, V.I. Gerasimov// St. Petersburg Polytechnic University Journal. Physics and Mathematics. - 2024. - Vol. 17, No. 3, p.76-86 DOI: https://doi.org/10.18721/JPM.17307</td></tr>
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