**СВЕДЕНИЯ**

**об официальном оппоненте**

|  |  |  |  |
| --- | --- | --- | --- |
| Фамилия, Имя, Отчество (полностью) | Место основной работы - полное наименование организации (с указанием полного почтового адреса, телефона (при наличии), адреса электронной почты (при наличии)), должность, занимаемая им в этой организации (полностью с указанием структурного подразделения) | Ученая степень (с указанием отрасли наук, шифра и наименования научной специальности, по которой им защищена диссертация) | Ученое звание (по специальности или по кафедре) |
| Федотов Сергей Петрович | Школа математика, университет Манчестера,  - Великобритания (UK), г. Манчестер, ул. Королева 1, Индекс M13 9PL,  - Tel: 44 161 306 3659,  -E-mail: [Sergei.Fedotov@manchester.ac.uk](mailto:Sergei.Fedotov@manchester.ac.uk)  <http://www.maths.manchester.ac.uk/~sf/>  - Профессор прикладной математики и теоретической физики, школа математика | Доктор физико-математических наук.  01.04.14 –«Теплофизика и молекулярная физика» | Профессор |
| Основные публикации по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15 публикаций): | | | |
| 1. J.P. Taylor-King, R. Klages, **S. Fedotov**, R.A. Van Gorder, [Fractional diffusion equation for an n-dimensional correlated Lévy walk](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:N5tVd3kTz84C) // Physical Review E, 2016, 94 (1), 012104. 2. **S. Fedotov**, [Single integrodifferential wave equation for a Lévy walk](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:JoZmwDi-zQgC) // Physical Review E, 2016, 93 (2), 020101. 3. H. Stage, S. Fedotov, V. Méndez, [Proliferating L\'evy Walkers and Front Propagation](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:9vf0nzSNQJEC) // arXiv preprint arXiv:1512.08559, 2015. 4. **S. Fedotov**, N. Korabel, [Self-organized anomalous aggregation of particles performing nonlinear and non-Markovian random walks](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:WA5NYHcadZ8C) // Physical Review E 2015, 92 (6), 062127. 5. **S. Fedotov**, N. Korabel, [Subdiffusion in an external potential: Anomalous effects hiding behind normal behavior](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:BrmTIyaxlBUC) // Physical Review E, 2015, 91 (4), 042112. 6. P. Straka, **S. Fedotov**, [Transport equations for subdiffusion with nonlinear particle interaction](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:LPZeul_q3PIC) // Journal of theoretical biology, 2015, 366, 71-83. 7. S. Falconer, A. Al-Sabbagh, **S. Fedotov**, [Nonlinear Tempering of Subdiffusion with Chemotaxis, Volume Filling, and Adhesion](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:_B80troHkn4C) // Mathematical Modelling of Natural Phenomena, 2015, 10 (3), 48-60. 8. **S. Fedotov**, S. Falconer, [Nonlinear degradation-enhanced transport of morphogens performing subdiffusion](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:4fKUyHm3Qg0C) // Physical Review E, 2014, 89 (1), 012107. 9. **S. Fedotov**, [Nonlinear subdiffusive fractional equations and the aggregation phenomenon](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:u9iWguZQMMsC) // Physical Review E, 2013, 88 (3), 032104. 10. **S. Fedotov**, S. Falconer, [Random death process for the regularization of subdiffusive fractional equations](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:SP6oXDckpogC) // Physical Review E, 2013 87 (5), 052139. 11. V. Méndez, D. Campos, I. Pagonabarraga, **S Fedotov**, [Density-dependent dispersal and population aggregation patterns](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:nb7KW1ujOQ8C) // Journal of theoretical biology, 2012 309, 113-120. 12. **S. Fedotov**, S. Falconer, [Subdiffusive master equation with space-dependent anomalous exponent and structural instability](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:bEWYMUwI8FkC) // Physical Review E, 2012, 85 (3), 031132. 13. **S. Fedotov**, A. Iomin, L. Ryashko, [Non-Markovian models for migration-proliferation dichotomy of cancer cells: Anomalous switching and spreading rate](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=LIyytfAAAAAJ&sortby=pubdate&citation_for_view=LIyytfAAAAAJ:RGFaLdJalmkC) // Physical Review E, 2011, 84 (6), 061131. | | | |