

## EDUCATION

|                      |                                                                                                                                                                                                                                                                           |                        |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 09/2015 –<br>08/2019 | <b>Slovak Academy of Sciences<br/>Mathematical Institute</b>                                                                                                                                                                                                              | Bratislava<br>Slovakia |
|                      | <ul style="list-style-type: none"> <li>• PhD. in Applied mathematics</li> <li>• Thesis name: <i>Non-classical effects on generalized quantum channels</i></li> </ul>                                                                                                      |                        |
| 04/2017 –<br>11/2018 | <b>Comenius University in Bratislava<br/>Faculty of Mathematics, Physics and Informatics</b>                                                                                                                                                                              | Bratislava<br>Slovakia |
|                      | <ul style="list-style-type: none"> <li>• RNDr. in Theoretical physics (extension of the master degree)</li> <li>• Thesis name: <i>Non-classical effects in generalized Quantum Information Theory</i></li> </ul>                                                          |                        |
| 09/2013 –<br>06/2015 | <b>Comenius University in Bratislava<br/>Faculty of Mathematics, Physics and Informatics</b>                                                                                                                                                                              | Bratislava<br>Slovakia |
|                      | <ul style="list-style-type: none"> <li>• Mgr. (MSc.) in Theoretical physics</li> <li>• Finished with honor (average grade lower than 1.3 and final exams graded by A,B only, with majority of A).</li> <li>• Thesis name: <i>Symmetry in quantum mechanics</i></li> </ul> |                        |
| 09/2010 –<br>06/2013 | <b>Comenius University in Bratislava<br/>Faculty of Mathematics, Physics and Informatics</b>                                                                                                                                                                              | Bratislava<br>Slovakia |
|                      | <ul style="list-style-type: none"> <li>• Bc. (BSc.) in Physics</li> <li>• Thesis name: <i>Density of states of ideal gas</i></li> </ul>                                                                                                                                   |                        |

## INVITED LECTURES / KEYNOTE LECTURES

|                           |                                                                                                      |                    |
|---------------------------|------------------------------------------------------------------------------------------------------|--------------------|
| 21.1.2019 –<br>25.1.2019  | <b>University of Pavia</b><br>invited for a visit and to give a seminar talk                         | Pavia<br>Italy     |
| 2.12.2018 –<br>16.12.2018 | <b>Perimeter Institute for Theoretical Physics</b><br>invited for a visit and to give a seminar talk | Waterloo<br>Canada |
| 16.7.2018 –<br>20.7.2018  | <b>14<sup>th</sup> biennial IQSA Conference Quantum Structures 2018</b><br>keynote talk              | Kazan<br>Russia    |

## GRANTS / STIPENDS / FUNDING

|                   |                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01/2018 – 05/2018 | Stipend from <u>National Scholarship Programme</u> <ul style="list-style-type: none"> <li>• Amount: 5000€ (1000€ per month), 100€ for travel costs</li> <li>• Use: research stay in Turku, Finland under supervision of Teiko Heinosaari</li> </ul> |
| 07/2014 – 09/2014 | Grant <u>Študenti do sveta</u> from Nadácia Tatra Banky <ul style="list-style-type: none"> <li>• Amount: 500€</li> <li>• Use: attending summer-schools in Germany and Italy</li> </ul>                                                              |

## PROJECTS

|                   |                                                                                                                                                                                                                                     |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 07/2017 – 06/2021 | <u>PROBALGQUANT - Probabilistic, algebraic a quantum-mechanical aspect of uncertainty</u> <ul style="list-style-type: none"> <li>• Funding body: APVV</li> <li>• Project leader: prof. RNDr. Dvurečenskij Anatolij DrSc.</li> </ul> |
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## REVIEW ACTIVITIES

- Referee for international journals Physical Review Letters, Physical Review A.
- Referee for Pontis Foundation.

## SKILLS

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| <b>Languages</b> | English (fluent), French (intermediate), Russian (beginner), Czech (fluent), Slovak (native) |
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