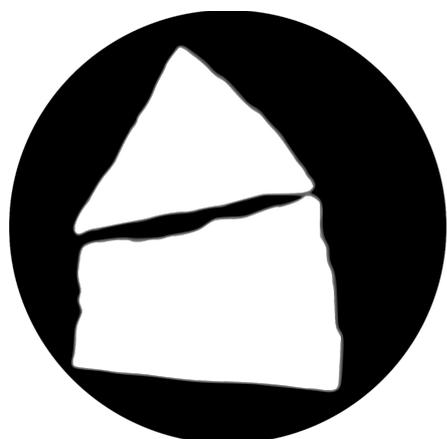


# Richard Remecky



## Adresa

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## Telefón

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## Email

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[irhrad@gmail.com](mailto:irhrad@gmail.com)

[irhradremetsky@protonmail.com](mailto:irhradremetsky@protonmail.com)

## Web stránka

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<sup>1</sup> [www.behance.net](http://www.behance.net)

<sup>2</sup> [www.orcid.org](http://www.orcid.org)

## Vodičské oprávnenie

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**B**, 100k+ km

<sup>1</sup> [www.behance.net/irhradremetsky/](http://www.behance.net/irhradremetsky/)

<sup>2</sup> [orcid.org/0000-0002-6497-7414](http://orcid.org/0000-0002-6497-7414)

## V krátkosti

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"Unsuccessful cartoonist with an overemphasis on seriousness in life to understand what's worth my time and attention"

## Kvalifikácia

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- **ANSI C/C#/Lua/Make**
- Beamer/BiBTeX/**LaTeX**
- FreeBSD/Linux/**Windows**
- **Keynote**/Pages/Word
- Mathematica/**Matlab**
- Visual Studio/**Visual Studio Code**

## Skúsenosti

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- 2005 - 2022, **BLTP JINR**  
Junior až senior vedecký pracovník

## Vzdelanie

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- 2007 - 2011  
**PhD.**, Prírodovedecká fakulta, UPJŠ
- 2005 - 2007  
**MSc.**, Prírodovedecká fakulta, UPJŠ
- 2002 - 2005  
**BSc.**, Prírodovedecká fakulta, UPJŠ
- 1996 - 2001  
**Maturita**, GPH Michalovce

## Jazyky

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- **English** - C1
- **Czech** - C1
- **Russian** - B2
- **French** - A2
- **Polish** - A2
- **Romanian** - A2

**Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russian Federation**

- 2012 - 2022 , Senior Researcher  
theme "**Fundamental Interactions of Fields and Particles**"  
theme "**Theory of Complex Systems and Advanced Materials**"
- member of **Scientific and Technical Council, BLTP JINR**

**Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russian Federation**

- 2011, Researcher  
theme "**Fundamental Interactions of Fields and Particles**"

**Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, Dubna, Russian Federation**

- 2005 - 2011, Junior Researcher  
theme "**Fundamental Interactions of Fields and Particles**"

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**Institute of Experimental Physics of the Slovak Academy of Sciences (IEP SAS) in Košice, Košice, Slovakia**

- 2007 - 2012, Junior Researcher/PhD student

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Matematické metódy kvantovej teórie poľa a renormalizačnej grupy v modeloch stochastickej dynamiky.

Analytické výpočty Feynmanových diagramov v jedno- a dvoj-slučkovej aproximácii.

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## Vzdelanie

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### **Prírodovedecká fakulta, Univerzita Pavla Jozefa Šafárika v Košiciach**

- 2007 - 2011, **PhD.** vo **Všeobecnej a matematickej fyzike**
- PhD. stupeň

**"Fluctuating Fields in Stochastic Models of Turbulence"**

### **Prírodovedecká fakulta, Univerzita Pavla Jozefa Šafárika v Košiciach**

- 2005 - 2007, **Mgr.** v **Teoretickej fyzike**
- Mgr. stupeň

**"Study of influence of anisotropy and compressibility on anomalous scaling of structure functions in models of passive scalar advection in stochastic dynamics."**

### **Prírodovedecká fakulta, Univerzita Pavla Jozefa Šafárika v Košiciach**

- 2002 - 2005, **Bc.** vo **Fyzike**

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### **Gymnázium Pavla Horova v Michalovciach**

- 1996 - 2001, **Maturita**
-

## Vybrané publikácie

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1. Evidence for enhancement of anisotropy persistence in kinematic magnetohydrodynamic turbulent systems with finite-time correlations E. Jurchisnova, M. Jurchisin, M. Menkyna, and R. Remecky, **Physical Review E**, **104**, **1**, 015101-13, **2021**
2. Anomalous Dimensions of Leading Composite Operators in the Kinematic MHD Turbulence: Two-Loop Renormalization Group Analysis E. Jurchisnova, M. Jurchisin & R. Remecky, **Physics of Particles and Nuclei**, **ISSN:1063-7796**, eISSN:1531-8559, Изд:МАИК "Nauka/Interperiodica", Pleiades Publishing, Ltd., **51**, 812–815, **2020**
3. Turbulent prandtl number in two spatial dimensions: two-loop renormalization group analysis E. Jurchisnova, M. Jurchisin, R. Remecky, **Theoretical and Mathematical Physics**, **ISSN:0040-5779**, Springer New York, **200**, **2**, 1139–1146, **2019**
4. The Chaotic Modeling and Simulation, , Chania, Greece Anisotropic MHD Turbulence Near Two Spatial Dimensions: General Field Theoretic Renormalization Group Analysis, E. Jurchisnova, M. Jurchisin, R. Remecky, **12**, Springer, **Springer Proceedings in Complexity**, **2019**
5. The International Conference Anomalous Scaling in the Kinematic Magnetohydrodynamic Turbulence, E. Jurchisnova, M. Jurchisin, R. Remecky, **4**, EDP Sciences, **EPJ Web of Conferences**, **MMCP 2019 selected papers Proceedings**, **2019**
6. Turbulent Prandtl number in the A model of passive vector admixture E. Jurchisnova; M. Jurchisin; R. Remecky, **Physical Review E**, **93**, 033106-22, **2016**

## Vybrané konferencie

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1. The 15th International Conference on Chaotic Modeling and Simulation, Athens, Greece, (video conference), [CHAOS 2022](#)
2. The 14th International Conference on Chaotic Modeling and Simulation, Athens, Greece, (video conference), [CHAOS 2021](#)
3. The 13th International Conference on Chaotic Modeling and Simulation, Florence, Italy, (video conference), [CHAOS 2020](#)
4. International Conference "Mathematical Modeling and Computational Physics" (MMCP`2019), LIT-JINR, IFIN-HH, IEP SAS, TU Košice, UPJŠ, Stará Lesná, Slovakia, [MMCP 2019](#)
5. The Chaotic Modeling and Simulation, Chania, Greece, [CHAOS 2019](#)
6. The 21th international workshop Small Triangle Meeting, Spišské Tomášovce, Slovakia, [STM 2019](#)
7. The 11th CHAOS 2018 International Conference, Sapienza Università di Roma, Rome, Italy, [CHAOS 2018](#)
8. VI International Conference, Models in quantum field theory, SPbSU, JINR, Petergof, Russia, [MQFT 2018](#)
9. Advanced Methods of Modern Theoretical Physics: Integrable and Stochastic Systems, BLTP JINR, Dubna, Russia, [AMMTP 2016](#)
10. 18th Small Triangle Meeting, IEP SAS Kosice, BLTP JINR Dubna, Ptičie, Slovakia, [STM 2016](#)
11. The 8th Chaotic Modeling and Simulation International Conference, Paris, France, [CHAOS 2015](#)
12. V International Conference, Models in quantum field theory, SPbSU, JINR, Petergof, Russia, [MQFT 2015](#)
13. 17th Small Triangle Meeting, Sveta Nedjelja, Hvar, Croatia, [STM 2015](#)

## Niečo navyiac

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- **Spolu organizátor**  
**International Conference on Precision Physics and Fundamental Physical Constants**, Slovak Academy of Science, Stará Lesná, Slovakia, **2021**
- **Školiteľ**, The Summer Student Program at JINR  
**Quantum field theory methods in non-linear stochastic dynamics**, student Mohylna Mariia, Pavol Jozef Šafárik University in Košice, Slovakia, **2018**
- **Školiteľ**, The Summer Student Program at JINR  
**Quantum field theory methods in non-linear stochastic dynamics**, student Andrei Butuza, University of Bucharest, Romania, **2017**
- **Školiteľ**, The Summer Student Program at JINR  
**Quantum field theory methods in non-linear stochastic dynamics**, student Menkyna Martin, Pavol Jozef Šafárik University in Košice, Slovakia, **2016**