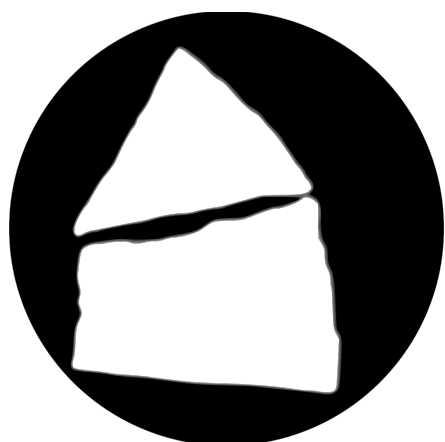


Richard Remecky



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Driving license

B, 100k+ km

Summary

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

Skill highlights

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

Experience

- 2005 - 2022, **BLTP JINR**
From Junior to Senior Researcher

Education

- 2007 - 2011
PhD., Faculty of Science, UPJŠ
- 2005 - 2007
MSc., Faculty of Science, UPJŠ
- 2002 - 2005
BSc., Faculty of Science, UPJŠ
- 1996 - 2001
Maturita Certificate, GPH Michalovce

Languages

- **English** - Professional Working Proficiency
- **Czech** - Professional Working Proficiency
- **Russian** - Limited Working Proficiency
- **French** - Elementary Proficiency
- **Polish** - Elementary Proficiency
- **Romanian** - Elementary Proficiency

¹ www.behance.net/irhcradremetsky/

² orcid.org/0000-0002-6497-7414

Experience

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**"

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

- 2007 - 2012, Junior Researcher/PhD student

Mathematical methods of field-theoretic renormalization group in study of stochastic dynamics. Analytical calculations of loop Feynman diagrams. Experienced in one-loop and two-loop approximation of the corresponding perturbation theory.

Education

Faculty of Science, Pavol Jozef Šafárik University in Košice

- 2007 - 2011, **PhD.** in **General and Mathematical Physics**
- PhD. thesis

"Fluctuating Fields in Stochastic Models of Turbulence"

Faculty of Science, Pavol Jozef Šafárik University in Košice

- 2005 - 2007, **MSc.** in **Theoretical Physics**
- MSc. thesis

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

Faculty of Science, Pavol Jozef Šafárik University in Košice

- 2002 - 2005, **BSc.** in **Physics**

Gymnázium Pavla Horova in Michalovce

- 1996 - 2001, **Maturita** Certificate
-

Selected publications

1. Evidence for enhancement of anisotropy persistence in kinematic magnetohydrodynamic turbulent systems with finite-time correlations E. Jurchisinova, 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. Jurchisinova, 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. Jurchisinova, 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. Jurchisinova, M. Jurchisin, R. Remecky, 12, Springer, **Springer Proceedings in Complexity**, **2019**
5. The International Conference Anomalous Scaling in the Kinematic Magnetohydrodynamic Turbulence, E. Jurchisinova, 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. Jurchisinova; M. Jurchisin; R. Remecky, **Physical Review E**, **93**, 033106-22, **2016**

Selected conferences

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](#)

Last but not least

- **Co-organizer**
International Conference on Precision Physics and Fundamental Physical Constants, Slovak Academy of Science, Stará Lesná, Slovakia, **2021**
- **Supervisor**, 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**
- **Supervisor**, The Summer Student Program at JINR
Quantum field theory methods in non-linear stochastic dynamics, student Andrei Butuza, University of Bucharest, Romania, **2017**
- **Supervisor**, 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**