



## Curriculum Vitae

prof. dr. Saša Prelovšek Komelj

March 2026

### Employment:

Full Professor

Faculty of Mathematics and Physics, University of Ljubljana, Slovenia

Research Counsellor

Department for Theoretical Physics, Jožef Stefan Institute, Ljubljana, Slovenia

### Contact:

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#### 1. Personal information:

- born on 3rd May 1971 in Ljubljana, Slovenia
- married, three children (2004, 2006, 2006)
- nationality: Slovenian

#### 2. Education:

- 1986-1990: *Natural Sciences High School* in Ljubljana, Slovenia
- 1991-1995: B.Sc in physics, *University of v Ljubljana*, Slovenia
- 1995-1999: Ph.D., University of Ljubljana, Slovenia  
"Weak decays of heavy mesons" (defended in 2000), supervisor: prof. dr. Svjetlana Fajfer

#### 3. Employment:

- 1995-1999: young researcher, Jozef Stefan Institute, Slovenia
- 2000-2001: post-doctoral researcher, *University of Trieste*, Italy
- 2001-2002: post-doctoral researcher, *Brookhaven National Laboratory*, New York

- 2002- : Faculty of Mathematics and Physics, University of Ljubljana, Slovenia
- 2002- : Department of Theoretical Physics, Jozef Stefan Institute, Slovenia
- maternity leave from work:  
February 2004 - February 2005, October 2006 - October 2007
- Staff Scientist at *Theory Center, Jefferson Lab*, Virginia, USA  
February-August 2015
- Guest Professor, University of Regensburg, 2016-2021
- sabbatical summer semester 2025/2026: Rome TorVergata, DESY Zeuthen Berlin, University of Regensburg
- Present employment:
  - Associate Professor at *Faculty of Mathematics and Physics, University of Ljubljana*
  - Research Counsellor in the *Group for theoretical physics of Nuclei, Particles and Fields*  
Department of Theoretical Physics, Jozef Stefan Institute, Slovenia

4. Academic and research titles:

- Assistant in Physics, University of Ljubljana: 1998
- Assistant Professor in Physics, University of Ljubljana: 2006
- Associate Professor in Physics, University of Ljubljana: 2015
- Research Counsellor, Jozef Stefan Institute: 2022
- Full Professor in Physics, University of Ljubljana: 2023

**Citations** (status march 2026)

- citations: 7100, h-index: 42 (inspirehep.net)
- citations: 7300 (Google scholar)

## Awards:

- Zois Certificate of Recognition, 2018 (national award for scientific achievements)
- Excellence in Science, 2018 (among ten highest scientific achievements chosen by national research agency)
- The Jozef Stefan Golden Emblem Prize, 2002 (for PhD thesis)

## Selected invited talks at international symposia

around 120 lectures at various conferences and institutions; among those around 50 invited lectures at international conferences, many of them plenary review lectures; below a selected list of invited lectures is given

1. missing list of invited lectures during 2023-2026 ...
2. invited plenary review at *Hadron Spectrum*, Stavanger, Norway, august 2022  
*QCD confronts heavy-flavor and exotic hadrons*
3. invited talk at *Conference on Quarks and Nuclear Physics*, Florida, September 2022 (online)  
*Doubly charm tetraquark from lattice QCD*
4. invited talk at *Workshop of heavy quarkonium*, Darmstand, September 2022  
*Doubly charm tetraquark from lattice QCD*
5. invited review at *LHC Physics Conference*, Taipei, May 2022 (online)  
*Doubly charm tetraquark from lattice QCD*
6. invited review at *Conference on Quarks and Nuclear Physics*, Florida, 2021 (online)  
*Lattice QCD and Hadron Spectroscopy*
7. invited plenary review at *Lepton-Photon*, january 2021, Manchester (online)  
*Hadron physics: theory*
8. Invited talk at "Hard problems of hadron physics", Russia, november 2021 (online)  
*Lattice study of quarkonium-like states*
9. invited talk at *XYZ workshop*, GSI, April 2021 (online)  
*Heavy four-quark states*
10. invited talk at *Heavy quarkonium*, QWG, March 2021 (online)  
 *$Z_b$  tetraquarks*
11. invited review plenary talk at *FPCP 2021*, June 2021, Shanghai (online)  
*Exotic hadrons in lattice QCD*

12. invited talk at *Excited QCD 2020*, February 2020, Krnyca Zdroj, Poland  
*Lattice study of  $Z_b$  and two quarkonium-like channels*
13. invited review talk at *LHCb workshop 2019*, 16 october, CERN, Geneva  
*Lattice results on exotics with hidden charm and bottom*
14. invited lecture related to Zois recognition award, DMFA, 27.9.2019, Bled, Slovenija  
*Quarks, strong force, conventional and exotic hadrons*
15. invited review talk at *Beauty 2019*, September 2019, Ljubljana, Slovenia,  
*Lattice spectroscopy (focus on exotics)*
16. Invited talk at *Workshop on Heavy quarkonium*, may 2019, Tornio, Italy  
*"Charmonium resonances"*
17. invited talk *From Euclidian spectral densities to real time physics*, CERN, March 2019  
*"Towards understanding of charmonia and charmed pentaquarks  $P_c$ "*
18. invited plenary talk at *Conference on Quarks and Nuclear Physics*, Tsukuba, 2018  
*"Hadron spectroscopy from lattice QCD"*
19. invited talk at *QCD and Its Symmetries*, Oberwölz, September 2018.  
*"Advances in hadron interactions and spectroscopy from lattice QCD"*
20. invited talk at *Technical advances in Lattice Field Theory*, CP3-Origins, Odense, 2017  
*"Scattering of hadrons with spin and the Roper resonance"*
21. invited talk at *Hadron 2017*, 25.9-29.9.2017, Salamanca, Spain  
*"Lattice studies of charmonia and exotics"*
22. invited review talk at LHC Physics 2017 (LHCP 2017), Shanghai, 15-20 May, China  
*"Heavy flavors on the lattice"*
23. invited review talk at *QCD@Work*  
*"Hadronic spectroscopy and interactions from lattice QCD"*  
27-30- June 2016, Martina Franca, Italy
24. invited talk at *Quarkonium 2016*, PNNL, Richland, Washington, USA, 2016  
*"Charmonia above open thresholds from lattice QCD"*
25. invited talk at *Strong interactions in Quantum Field Theory*  
*"Conventional and exotic hadrons from lattice QCD"*  
7.10-9.10.2015, Leibnitz, Austria
26. invited talk at *Belle II B2TiP Workshop*, KEK, Tsukuba, Japan, October 2015  
*"Conventional and exotic charmonia from lattice QCD"*

27. invited talk at *International Workshop on Exotic Hadrons*, Istanbul, Turkey, 2015  
*"Exotic and conventional charmonia from lattice QCD"* (remote talk)
28. invited review plenary talk at *CHARM 2015*, Detroit, USA, May 2015  
*"Lattice studies of charmonia and exotics"*
29. invited review talk at *APS 2015*, Baltimore, USA, April 2015  
*"Lattice results for new hadronic states"*
30. invited talk at *Royal Society Scientific Seminar*, Chicheley Hall, UK, January 2015  
*"Charmed and beauty states from lattice QCD"*
31. invited talk at *Quarkonium 2014*, CERN, November, 2014  
*" $Z_c$  and tetraquarks with Lattice QCD"*
32. invited plenary review talk at *Lattice 2014*, Columbia University, New York, June 2014  
*"Hardon Spectroscopy"*
33. invited plenary review talk at the conference *Mesons 2014*, Cracow, June 2014  
*"Exotic and conventional mesons from lattice"*
34. invited plenary talk at *CHARM 2013*, Manchester, UK, September 2013  
*"Lattice QCD review of charmonium and open-charm spectroscopy"*
35. invited talk at STRONGnet (FP7 Marie Curie EU), Graz September 2013  
*"Extracting bound states and resonances from the scattering"*
36. invited talk at *Excited QCD 2013*, Sarajevo, February 2013  
*"Hadron resonances from lattice QCD"*
37. invited talk at  *$B \rightarrow D^{**}$  decays and related issues*, Paris, November 2012  
*"D-meson resonances in  $D\pi$  scattering from lattice QCD"*
38. invited talk at symposium of University of Maribor, Slovenia, December 2012  
*"Hadronic resonances in quantum chromodynamics on the lattice"*
39. invited talk at national yearly symposium, Rimske Toplice, Slovenia, October 2012  
*"Hadronic resonances in quantum chromodynamics on the lattice"*
40. invited talk at *Studies of multi-hadron systems*, INT, Seattle, August 2012  
*"Resonances in  $D\pi$  and  $K\pi$  scattering"*
41. invited talk at the workshop *Hadron Physics from Lattice QCD*, Graz, September, 2012  
*"Resonances in  $D\pi$  and  $K\pi$  scattering"*

42. invited talk at *Excited QCD 2010*, Stara Lesna, Slovakia, February 2010  
*"Lattice searches for tetraquarks and mesonic molecules"*
43. invited talk at workshop *Hadrons, Lattice QCD and ChPT*, Graz, September 2010  
*"Lattice QCD simulations of X,Y,Z and light scalar mesons"*

### **Lectures at international schools**

1. invited lectures on spectroscopy for members of LHCb collaboration, 2024 (online)
2. invited series of lectures for students in India, 2024 (online)
3. invited series of lectures at the school *"Bad Honnef Physics school: Methods of Effective field Theory and Lattice Field Theory"*, July 2021 (online)  
 topic: *"Spectroscopy of excited states"*
4. invited series of lectures at the school *"Europlex online school 2020"*, Horizon 2020, October 2020 (online)  
 topic: *"QCD in finite volume"*
5. invited series of lectures at the school *"Scattering from the lattice: applications to phenomenology and beyond"*, Trinity College, Dublin, Ireland, 2018  
 topic: *"Scattering of hadrons in lattice QCD: some applications"*
6. invited lectures at School within Marie Curie Initial Training Network (ITN), STRONGnet 2013, 16.9-20.9 2013, Graz, Austria  
 topic: *"Extracting bound states and resonances"*
7. invited lectures at School within Marie Curie Initial Training Network (ITN), STRONGnet 2011, 4.10-7.10. 2011, Trento, Italy  
 topic: *"Tetraquarks"*

### **Referee for**

Physics Reports  
 Physical Review Letters  
 Physical Review D  
 Journal of High Energy Physics  
 European Physical Journal A  
 Physics Letters B  
 International Journal of Modern Physics C  
 Journal of Chinese Physics Letters

### **Mentorship for PhD**

- dr. Luka Leskovec: *Hadronic resonance in lattice QCD* , 2015  
awarded The Jozef Stefan Golden Emblem Prize in 2017
- dr. Urša Skerbiš Štok: *Scattering of particles with spin in lattice QCD*, 2021
- dr. Mitja Šadl: *Exotic hadrons with heavy quark and antiquark in lattice QCD*, 2024
- Ivan Vujmilovič  
initiated PhD in October 2023

## Teaching

- permanently employed as full professor at Faculty of Mathematics and Physics

### Lectures:

- Quantum Field Theory
- Mathematical methods for physics students ("Proseminar")
- Probability and Statistics in Physics
- Seminar
- Physics 2 (for mathematics students)
- Physics (for students at Biotechnical Faculty)

### Problem solving classes for physics students:

- Quantum Field Theory
- Physics of nuclei and elementary particles
- Nuclei, quarks and leptons
- Modern Physics II [molecules, nuclei, and particles]
- Introduction to Theoretical Physics I, II, III, IV
- General course on classical physics
- Theory of elasticity
- Labs I

### Problem solving classes for non-physics students

of Mathematics, Biochemistry, Biology, students from Bio-technical Faculty, Pharmacy