

## TEACHING AT FACULTIES (Branko Dragovich)

- **Physics**, Faculty of Pharmacy, University of Belgrade, Belgrade, assistant, 1971/1972.
- **Physics**, Faculty of Medicine, University of Belgrade, Belgrade, assistant, 1974/1975.
- **Physics**, Faculty of Transport and Traffic Engineering, University of Belgrade, Belgrade, assistant, 1978/1979.
- **Elementary Particle Physics**, Faculty of Sciences and Mathematics, University of Priština, Priština, Assistant Professor, 1977/78, 1978/79.
- Participation in postgraduate teaching of **Quantum Field Theory** at Department of Physics, Faculty of Sciences and Mathematics, Belgrade, since 1977 till 1986.
- Occasionally participation in teaching and supervision in **Classical, Quantum and Mathematical Physics** at postgraduate studies at the Faculty of Physics, Belgrade University, Belgrade.
- **Theoretical Physics (Classical Electrodynamics and Theory of Relativity)** Physics Department, Faculty of Philosophy, Niš University, Assistant Professor, since 15 February 1986 till June 1990.
- **Elementary Particle Physics**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. Since 1998 till 2003.
- **Astrophysics and Theory of Gravitational Field**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. Since 1998 till 2007.
- **Astrophysics and Theory of Gravity**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. 2007/2008, 2008/2009, 2009/2010.
- **Field Theory**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. 2007/2008, 2008/2009, 2009/2010.

- **Quantum Field Theory**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor.2010/2011.
- **Gravitation and Cosmology** , Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. 2011.
- **Quantum Field Theory**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor.2011/2012.
- **Gravitation and Cosmology** , Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. 2012.
- **Gravitation and Cosmology** , Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka. Professor. 2013.

#### SOME SHORT COURSES

- 1. **String Theory**, Institute for Mathematics, Statistics and Computer Science, Vaxjo University, Vaxjo, Sweden, October 1998.
- 2. **Introductory Lectures in Functional Analysis**, for students in Mathematics, University of Karlskrona, Karlskrona, Sweden, April 2000.
- **$p$ -Adic Analytic Functions**, Lectures for PhD students in Mathematics, Vaxjo University, Vaxjo, Sweden, April 2000.
- 3. **Intensive Course on Feynman Path Integrals**, School of Mathematics and System Engineering, Vaxjo University, Vaxjo, Sweden, February/March 2003.
- 4.  **$p$ -Adic Numbers, Adeles and Applications**, Institute of Physics, Belgrade, 9-13.09.2005.
- 5.  **$p$ -ADIC MATHEMATICAL PHYSICS, Short course** of 12 lectures. School of Mathematics, Shandong University, Jinan, China. May 14 – June 11, 2012.

- 6. *p-ADIC STRINGS AND RELATED TOPICS*, **Four lectures**. Center for Quantum Spacetime (CQUEST), Sogang University, Seoul, South Korea. 26 November – 5 December, 2012.

## SUPERVISION

- Co-Supervisor with Prof. M. Jurić of a few diploma works on **physics of hypernuclei** in period 1970 - 1975, Department of Physics, Faculty of Sciences and Mathematics, University of Belgrade, Belgrade.
- Diploma work: B. Sazdović, **Scalar Field Theory**, Faculty of Electrical Engineering, Belgrade, 1975.
- Master degree thesis: D. Mihajlović, **New Perturbation Approach to Scalar Quantum Electrodynamics**, Department of Physics, Faculty of Sciences and Mathematics, Belgrade, 1977.
- Master degree thesis: B. Sazdović, **Investigation of Finite Spinor Electrodynamics**, Department of Physics, Faculty of Sciences and Mathematics,, Belgrade, 1978.
- PhD thesis: B. Sazdović, **Investigation of Finite Quantum Electrodynamics**, Department of Physics, Faculty of Sciences and Mathematics, Belgrade, 1982.
- Diploma work: G. Djordjević, **Friedmann Cosmological Models**, Department of Physics, Faculty of Philosophy, University of Niš, Niš, 1989.
- Diploma work: V. Prokić **Action Invariance in Classical Field Theory**, Department of Physics, Faculty of Philosophy, University of Niš, Niš, 1991.
- Master degree thesis: G. Djordjević, **Adelic Harmonic Oscillator with Time Dependent Frequency**, Faculty of Physics, Belgrade, 1995.

- Master degree thesis: Lj. Nešić, **On  $p$ -Adic and Adelic Generalization of Wave Function of the Universe**, Faculty of Physics, Belgrade, May 1996.
- PhD thesis: G. Djordjević, **On  $p$ -Adic and Adelic Quantum Mechanics**, Faculty of Physics, Belgrade, 1999.
- PhD thesis: Lj. Nešić, **Cosmological Models in  $p$ -Adic and Adelic Quantum Mechanics**, Faculty of Physics, Belgrade, 17 April 2002.
- Master degree thesis: A. Zejak, **Noncommutative Quantum Cosmology**, Faculty of Physics, Belgrade, 2006.
- Diploma work: D. Malivuk, **Evolucija vasiona (Evolution of the Universe)**, Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka, 29. 02. 2008.
- Diploma work: Mihaela Nišević, **Tamna materija i MOND (Dark Matter and MOND)** Department of Physics, Faculty of Sciences and Mathematics, University of Banja Luka, Banja Luka, June 2011.
- PhD Thesis: Jelena Grujić, **Geometrijska modifikacija Ajnštajnovе teorije gravitacije**. Matematički fakultet, Univerzitet u Beogradu. Disertacija odbranjena 3.06.2015 .