

PERSONAL DETAILS

Title: Research professor

First name: Ljupco

Surname: Hadzievski

Date of birth: 14 August 1957

Country of birth: Macedonia

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Vinca Institute of Nuclear Sciences

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CAREER SUMMARY

Date of PhD awarded: 1996

Field of specialization: Complex and nonlinear phenomena in plasma physics and nonlinear optics.

Statement of academic qualifications and career :

2005-: Research Professor, Vinca Institute of Nuclear Sciences, Belgrade, Serbia, Head of the Atomic Physics Laboratory

1998-2005: Associate Research Professor, Vinca Institute of Nuclear Sciences, Belgrade, Serbia and Montenegro

1997-1998: Visiting Professor, IPM, Institute for Studies in Theoretical Physics Mathematics, Tehran, Iran (Course of Computational Physics for graduate students)

1997-1998: Assistant Research Professor, Vinča Institute of Nuclear Sciences, Belgrade, Serbia and Montenegro

1991-1996: PhD student, Vinca Institute of Nuclear Sciences, Belgrade, Yugoslavia

1990-1991: PhD student, University of Iowa, Iowa City, USA

1985-1989: MS student, Vinca Institute of Nuclear Sciences, Belgrade, Yugoslavia

1982-1985: Research Fellow, Center for Application of Radioisotopes in Science and Industry, Skopje, Macedonia

Research Experience

Early research (1982-85) in radioecology and applications of isotope techniques in hydrology. Numerical simulation of the transport of the radionuclides released into the surface and underground waters. Applied research of laser propagation phenomena in the atmosphere (1985-1987). Theory and simulation of nonlinear and turbulent phenomena in plasmas: soliton formation, stability and collapse in Strong Langmuir turbulence (SLT) (1987-1997). Studies of strongly nonlinear plasmas by analytic and computer simulation methods. Relativistic EM solitons in laser-plasma (1997-). Numerical studies of nonlinear depressive wave systems. Dynamical studies of the continual-discrete nonlinear systems and its application on nonlinear optics (2000-). Study of the electrical activity of the heart and inverse problems in electrocardiography (2002-).

Other:

- Active referee for the journals: Physical Review: Letters, E i B, i Journal of Plasma Physics.
- Editor for the AIP conference proceedings: Physics of Ionized Gases, AIP CP740 (2004); Physics of Ionized Gases, AIP CP876 (2006);
- Award from the Vinca Institute, for outstanding research in 2004.