Curriculum Vitae

Personal information

First name(s) / SURNAME(S)	**Ivana RADISAVLJEVIĆ**
Current position	**Senior Research Associate**
Affiliation	Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia
Department	Laboratory for Nuclear and plasma physics
Address(es)	P.O. Box 522, 11001, Belgrade, Serbia
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Date of birth	20/05/1972
Gender	female

Education

Dates	2008
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Physics
Name and type of organisation providing education and training	Faculty of physics, University of Belgrade
Dates	2002
Title of qualification awarded	Magister of Science
Principal subjects/occupational skills covered	Physics
Name and type of organisation providing education and training	Faculty of physics, University of Belgrade

Research interests

- **Density Functional Theory**
- **Electronic Structure**
- **Condensed Matter Physics**
- **Computational Physics**
- **Nanomaterials**
- **Photoelectron Spectroscopy**
- **Semiconductors**
- **Surface Analysis**
- **Synchrotron Radiation**
- **Synchrotron XMCD**
- **X-ray Diffraction**
- **X-ray Fluorescence**
- **X-Ray Absorption Spectroscopy**

Citations/h-index

149 / h=7

Participation in the national projects

Project title /Dates	III 45003/2011-2019
Occupation or position held	Head of the subproject entitled: Electronic principles of nanostructures formation and functioning
Project title /Dates	III 45012/2011-2019
Occupation or position held	Researcher

Participation in the international projects

Project title /Dates	COST action Solutions for Critical Raw Materials Under Extreme Conditions/2015–2019
Project title /Dates	COST action Nanostructured materials for solid state hydrogen storage/2011–2015
Project title /Dates	Synchrotron DESY (Germany) Local structures, displacements, and phase transitions in $Pb_{1-x}A_xTe_{1-y}B_y$ (A=Mn, In, Ga, B=S) semiconductors
Project title /Dates	Synchrotron DESY (Germany) Local structures in PbTe:A (A=Ni, Co, Yb) semimagnetic semiconductors

Project leadership

Project title /Dates	Bilateral scientific cooperation (Serbia-Portugal) Local electronic structure of II–VI based diluted magnetic semiconductors doped by transition metals/2013–2014
Project title /Dates	Synchrotron DESY (Germany) Magnetic impurities in $Cd_{1-x}M_xTe_{1-y}Se_y$ (M=Cr, Mn, Fe, Co, Ni) semiconductors/2011
Project title /Dates	Synchrotron Elettra (Italy) Local structure and electronic properties of transition metal ions (TM=Mn, Fe, Co) in wide gap diluted magnetic semiconductors/2011
Project title /Dates	Synchrotron DESY (Germany) Investigations of quaternary transition metal–based $Cd_{1-x}M_xTe_{1-y}Se(S)_y$ (M=Mn, Fe, Co) diluted magnetic semiconductors/2010

Reviewer of a journal

Title of the journal	Applied Surface Science
	Journal of Alloys and Compounds
	Radiation Physics and Chemistry
	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy
	Journal of Polymer Science Part B: Polymer Physics

Mentorship engagement

PhD student	Mirjana Medić Ilić
Title of the doctoral thesis	Studies of surface structure and composition of multicomponent semiconductors $Cd(Zn)_{1-x}Mn(Fe)_xTe_{1-y}(Se,S)_y$
Status of the dissertation	In progress

Membership in scientific Committees & Boards

- Joint event of the 11th Young Researchers' Conference: Materials Science and Engineering and the 1st European Early Stage Researchers' Conference on Hydrogen Storage, која је одржана у Београду, 2–5. 12. 2012.
- 3rd International symposium on materials for energy storage and conversion, 10–12. 09. 2018. (Београд, Србија).

Memberships in scientific and technical societies

- IOP
- Serbian physical society

Selected Papers in last 5 years

1. **I. Radisavljević**, N. Novaković, H.–E. Mahnke, V. Andrić, S. Kurko, D. Milivojević, N.

Romčević, N. Ivanović, **Survey of electronic properties and local structures around Fe in selected multinary chalcogenides**, Journal of Alloys and Compounds 782 **(2019)** 160–169.

2. **I. Radisavljević**, B. Kuzmanović, N. Novaković, H.–E. Mahnke, L.J. Vulićević, S. Kurko, N. Ivanović**, Structural stability and local electronic properties of some EC synthesized magnetite nanopowders**, Journal of Alloys and Compounds, 697 **(2017)** 409–416.
3. **I. Radisavljević**, N. Novaković, B. Matović, N. Paunović, M. Medić, N. Bundaleski, V. Andrić, O.M.N.D. Teodoro, **Comprehensive studies of structural, electronic and magnetic properties of $Zn_{0.95}Co_{0.05}O$ nanopowders**, Materials Research Bulletin, 74 **(2016)** 78–84.
4. **I. Radisavljević**, N. Novaković, N. Romčević, M. Mitrić, B. Kuzmanović, S. Bojanić, N. Ivanović**, Electronic aspects of formation and properties of local structures around Mn in $Cd_{1-x}Mn_xTe_{1-y}Se_y$**, Materials Chemistry and Physics, 167 **(2015)** 236–245.
5. **I. Radisavljević**, J. Trigueiro, N. Bundaleski, M. Medić, N. Romčević, O.M.N.D. Teodoro, M. Mitrić, N. Ivanović, **XAFS and XPS analysis of $Zn_{0.98}Fe_{0.02}Te_{0.91}Se_{0.09}$ semiconductor,** Journal of Alloys and Compounds, 632 **(2015)** 17–22.

Invited Lectures

1. Introduction to X–ray absorption spectroscopy, "Workshop on application of X–ray absorption/emission spectroscopies to material and surface science", 12–14. 11. 2013. (Belgrade, Serbia).
2. XAS data analysis, "Workshop on application of X–ray absorption/emission spectroscopies to material and surface science", 12–14. 11. 2013. (Belgrade, Serbia).
3. X–ray absorption spectroscopy (XAS) and its applications for studies of local atomic and electronic structures in multi–component semiconductors, Faculdade de Ciências e Tecnologia (Departamento de Física), 9. 10. 2013. (Lisbon, Portugal).
4. X–ray absorption spectroscopy and its application for local electronic and magnetic structures studies, National research center of geoanalysis, 30. 7. 2012. (Beijing, China).
5. Local atomic and electronic structures in complex solid–state systems, IAEA technical meeting (TM–40771) "Applications of Synchrotron Radiation Sources for Compositional and Structural Characterization of Objects in Cultural Heritage, Forensics and Materials Science", IAEA Headquarters, 17–21. 10. 2011. (Vienna, Austria).
6. An advanced strategy for x–ray absorption/emission spectroscopy data analysis, IAEA technical meeting (F1–TM–52965) "Technical Meeting on Trends in Analytical applications and instrumentation developments of synchrotron based X–ray spectrometry techniques", IAEA Headquarters, 2–6. 10. 2017 (Vienna, Austria).

Congresses and conferences attended -last 3 years

1. **I. Radisavljević**, N. Novaković, N. Ivanović, **First principle electronic structure calculations of transition metal–doped CdTe–based semiconductors**, 3rd International Symposium on Materials for Energy Storage and Conversion, Belgrade (Serbia) September 10–12 **(2018)**. Programme and the Book of Abstracts, p. 105.
2. **I. Radisavljević**, **An advanced strategy for x–ray absorption/emission spectroscopy data analysis**, IAEA technical meeting on Trends in Analytical applications and instrumentation developments of synchrotron based X–ray spectrometry techniques, IAEA Headquarters, 2–6. 10. **2017**.
3. **I. Radisavljević**, N. Novaković, M. Medić, N. Ivanović, **Local structure in multi–component semiconductors–experiment and theory**, The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, Belgrade (Serbia) October 3–4 **(2017)**. Program and the Book of Abstracts, p. 11. 2.
4. D. Mamula Tartalja, B. Kuzmanović, S. Bojanić, **I. Radisavljević**, N. Ivanović, **Calculations of optical properties of some molecules suitable for coating of nanoparticles for biological application**, V International School and Conference on Photonics PHOTONICA 2015, Belgrade (Serbia) August 24–28 **(2015)**. Book of Abstracts, p. 151.