CURRICULUM VITAE

1. **Personal identification**

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| Surname: | *Rizak* |
| Name: | ***Vasyl*** |
| Date and place of birth: | ***10.07.63*** |
| Nationality: | ***Ukrainian*** |
| Civil Status: | ***Married*** |
| Contact (e-mail): | ***vrizak@bigmir.net******;*** ***vasyl.rizak@teib.info*** |
| Present employment at: | ***Uzhgorod Nationale University*** |
| Present position | ***head of department of solid-state electronics*** |
| Years of professional experience at the company | ***31*** |
| Civil servant (yes/no) | ***No*** |

1. **Education**:

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|  Institution  Date) |  Qualifications, Diploma  |
| ***Uzhgorod State University*** ***(1980-1985)*** | ***Master degree in Physics, physicist, teacher*** |
| ***Uzhgorod State University******(1985-1988)*** | ***Post-graduation course*** |
| ***Uzhgorod State University*** ***(1989)*** | ***PhD, thesis entitled: " Ferroelectric properties and mechanisms of phase transitions of crystals Sn(Pb)2P2S(Se)6"*** |
| ***L’viv National University*** ***(1996)*** | ***Doctor of Physics, thesis entitled: " Influence izovalent replacements on static and dynamic properties of proper ferroelectrics (PbySn1-y)2P2(SexS1-x)6 "*** |

1. **Professional experience:**

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| Date from - to  | Location | Organisation | Position | Job Description |
| *1985* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***Engineer of department of semiconductor physics*** | ***Research*** |
| *1985-1988* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***post - graduate student of department of semiconductor physics*** | ***Research*** |
| *1988-1990* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***junior research worker of department of semiconductor physics*** | ***Research*** |
| *1990-1991* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***research worker of department of semiconductor physics*** | ***Research*** |
| *1991-1992* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***senior research worker of department of semiconductor physics*** | ***Research*** |
| *1992-1993* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***senior research worker of Institute of Solids Physics and Chemistry*** | ***Research*** |
| *1993-1994* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***lecturer of department of semiconductor physics*** | ***Research and lecturing*** |
| *1994-1997* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***assistant professor of department of semiconductor*** | ***Research and lecturing*** |
| *1997-2002* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***professor of department of semiconductor physics*** | ***Research and lecturing*** |
| *2002- present time* | ***Uzhgorod, Ukraine*** | ***Uzhgorod State University*** | ***head of department of solid-state electronics*** | ***Research and lecturing*** |

1. **Membership in Professional Bodies:**

I am the headof the Zakarpatye branch of Federation of scientists of Ukraine and head Transcarpathian branch of Ukrainian Physical Society. In May, 2003 I was elected as the actual member of Ukraine Engineering Sciences Academy. Since 2003 – I has been a Foreign member of scientific council of an academy of sciences of Hungary and since 2004 I has been Member of the Coordinating Council of Ukrainian Physical Society. In 2004 I was awarded by the honorary rank «Honoured worker of science and technique of Ukraine». Since 2006 I has been a managing editor of the journal «Uzhhorod University Scientific Herald. Series Physics».

With my help and scientific support such scientists as S. Perechynsky , I.Rizak, O.Bokotey and Syrian K. Al-Shufi became physic-mathematical sciences candidates. Under my direct leadership are protected two dissertations (O.I. Chobal’, I.I.Trykur).

And I was awarded with a wrist-watch by the Prime-Minister of our country for my winning in the nomination «Young scientist of the year” of the All-Ukrainian action “Young people of Ukraine for the future”.

 Together with a scientifically-pedagogical activity in Uzhhorod University I have made huge efforts to organize a regional science support. I am a director of a public organization of fund of support of a science Zakarpatye which was set up by me. Its main task is to conserve the region scientific schools, to support foreground scientific courses, to involve young people into the investigating activity. The Fund has helped to edit more than 30 schoolbooks, methodical research works, monographs of both natural and humanitarian profile. The Fund organizes conferences, round tables, supports international conferences and seminars. The assets of the Fund keep the financial help for schools, Internet payments for students of the medical faculty of the Uzhhorod National University, supporting of the scientists’ and other representatives of creative intellectuals' official journeys. So in 1998 I was rewarded by the Certificate of Merit of the head of the Regional State Administration for the considerable contribution in the science development as well as for the active participation in the civil and political life of our region and by the anniversary medal on the occasion of the 80th anniversary of Ukraine National Science Academy.

1. Others:

Iindividual grant  **of the International Scientific Fund** (1998)..

*Team leader of the pro****ject "*Modernization of the Uzhgorod Universitety and Region Research Institution Network*", Reg.No CN.NIG 976326 (***2000-2001)

Iindividual grant **of Ministry of Education of Slovakia ( 2003) - \_\_\_\_\_\_\_;**

*Team leader of the project* ***"* Necessary additional activities concerning expanding, integration of Transcarpatian science-technical networks*.", Reg. CN.NIG 979923 (***2003- 2006***;***

*Team leader of the project* ***The Hungarian fund of support of a science of name Oron ' Yanoshi Academies of sciences of Hungary and the Ministry of Education of Hungary*** “**Development of a measuring complex for an estimation of a condition of river waters of pool of the Tisa of Karpatskogo region**” (2004) - \_\_\_\_\_\_\_\_;

*Senior Local Expert for the EU Tacis Project* ***“*Flood risk assessment and management in Zakarpatska oblast, Ukraine project” (**2004-2005**).**

Team leader of the project “**Base infrastructure of Western Branch of Ukrainian Scientific-Practical Medical Network into integration GEANT**” Reg.No CN.NIG 981581 (2005-2006)**;**

##### Team leader of the project “Сomprehensive concordance heterogeneous telemetric infrastructure with integration of social services » Reg.No CN.NIG 983259 (2008-2010);

Iindividual grant  **SAIA (2009);**

Iindividual grant **SAIA (2013);**

*The head of Ukrainian-Slovak project from the Ukrainian side***“Relaxation and photoinduced effects in chalcogenide glasses of Ge-As-S(Se) system”**(2015-2016) - \_\_\_\_\_\_.

*The head of H2020- project from the UzhNU side* „**ACCELERATing Europe's Leading Research Infrastructures”** (2017-2020) \_ EUR 3 325 757

 Since 2002 I manage research themes funded by the Ministry of Education and Science of Ukraine

1. Publications:

**I am a co-author of more than 200 printed research works, monographs and schoolbooks “Physics of Non-Equilibrium Phenomena in Semiconductors” (Uzhhorod, 1998), “Photo- and Thermostructural Transformations in Chalcogenids” (Uzhhorod, 1999), “Functional Chalcogenide Semiconductors” (Uzhhorod, 2001), “Chemistry of Solid-State» in two parts (Uzhhorod, 1999, 2002), “Heterogeneous Equilibriums” (Uzhhorod, 2003), “Constructive and Functional Materials» in two parts (Kyiv, 2003, 2004), “Mechanics in Praxis and Tasks» (Uzhhorod, 2004), “Cryogenic Physics and Technique” (Kyiv, 2006), “Chemistry of Solid-State» (**second revised and supplemented edition, **Uzhhorod, 2011), “.**

##### O. Andersson, O. Chobal, I. Rizak, and V. Rizak Tricritical Lifshitz point in the temperature-pressure-composition diagram for (PbySn1−y)2P2(SexS1−x)6 ferroelectrics Phys. Rev. B 80, 174107 – Published 11 November 2009

O. Andersson, O. Chobal, I. Rizak, V. Rizak, and V. Sabadosh **Effects of pressure and temperature on the thermal conductivity of Sn2P2S6** Phys. Rev. B **83**, 134121 – Published 26 April 2011

O. Chobal, I. Rizak, S. Iľkovič, M. Reiffers, V. Šebeň, P. Baláž, M. Timko, V. Rizak. **Effect of high-energy ball milling on the phase transition of Sn2P2S6 ferroelectric crystals**  Solid State Sciences – 2013. – Vol. 26. – P. 105–109. <http://www.sciencedirect.com/science/article/pii/S1293255813002781>

V.S.Bilanych, V. Komanicky, A. Feher, V.V.Kuzma., V.M.Rizak **Electron-beam induced surface relief shape inversion in amorphous Ge4As4Se92 thin films** [Thin solid films](https://www.researchgate.net/journal/0040-6090_Thin_Solid_Films) 571 · November 2014

javascript: P.S. Danilyuk, P.P. Puga, A.I. Gomonai, V.N. Krasylynec, P.N. Volovich, and V.M. Rizak. **X-Ray Luminescence and Spectroscopic Characteristics of Er3+ Ions in a Glassy Lithium Tetraborate Matrix** Optics and Spectroscopy, 2015, Vol. 118, No. 6, pp. 956–961

V. Bilanych, V. Komanicky, M. Kozejova, A. Feher, A. Kovalcikova, F. Lofaj, V. Kuzma, V. Rizak, **Surface pattering of Ge-As-Se thin films by electric charge accumulation** //Thin Solid Films, 616 (2016) 86–94.

V. Kuzma, V. Bilanych, M. Kozejova, D.Hlozna, A. Feher , V. Rizak , V. Komanicky. **Study of dependence of electron beam induced surface relief formation on Ge-As-Se thin films on the film elemental composition.** //Journal of Non-Crystalline Solids 456 (2017) 7–11.

**The patent for the utility model "Fiber optic device for the study of micro amounts of body fluids"** UA № 98455, MPK BO1D 21/32 (2006.01), 27.04.2015, Bul.№8.

Signature:

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