

GENERAL INFORMATION

Liubomir Chiriac



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Date of birth 04.06.1960

PLACE OF WORK

Tiraspol State University, Republic of Moldova
Faculty of Physics, Mathematics and Technologies Information
Department of Computer Science and Technologies Information

PROFESSIONAL EXPERIENCE

Period

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| 1985-1987 | Assistant of the Computer Science and Computing Department, Tiraspol State Pedagogical Institute. |
| 1987-1988 | Intern at the Institute of Mathematics and Computer Science of the Academy of Sciences of Moldova. |
| 1988-1991 | PhD student at the Institute of Mathematics and Informatics of the Academy of Sciences of Moldova, Algebra and Topology Laboratory |
| 1991-1993 | Senior lecturer, doctor of mathematical sciences within the Department of Computer Science and Information Technologies, Tiraspol State University. |
| 1993--2010 | Associate Professor, doctor in physics-mathematical sciences within the Computer Science and Computer Science Department, Tiraspol State University. |
| 2010 - 2020 | Full Professor, Head of the Department of Computer Science and Information Technologies, Tiraspol State University. |

EDUCATION AND TRAINING

- In 1991 I defended the doctoral thesis in physico-mathematical sciences “Researching of the topological properties of universal topological algebras and their subspaces”.
- In 2011 I defended the Habilitat Doctoral thesis in physico-mathematical sciences with the theme "Topological-algebraic systems and their applications", in the specialty "Geometry and Topology”.
- In 2014 I obtained the didactic title of the Full Professor in Applied Informatics.

SCIENTIFIC ACTIVITIES.

MANAGERIAL SKILLS

- 2020 - present, Chairman of the Committee of Experts in Mathematics, Information Science and Physical Sciences (ANACEC).
- 2016 - 2020, Chairman of the Scientific Profile Seminar: 111. Pure Mathematics, Specialty: 111. 04. Geometry and topology, Tiraspol State University, (designated by CNAA Decision no. AT-4 / 4.4 of July 05, 2016) .
- 2016 - 2020, President of the Scientific Profile Seminar: 532. Didactics of the sciences (real sciences) Specialty: 532.02. School didactics on steps and educational disciplines, Tiraspol State University. (designated by CNAA Decision no. AT-4 / 4.4 of July 5, 2016).
- 2018 - 2020, member of the Committee of Experts "Mathematics and Information Science", for the scientific branches 11, 12. (Decision of the Management Board of the National Agency for Quality Assurance in Education and Research No. 40 of 10.10.2018).
- 2015 - Head of the Evaluation Commission of the Institute of Mathematics and Informatics of the Academy of Sciences, 2010-2014, Profile of Mathematics and Computer Science.
- Since 2001 – present, I coordinate the elaboration of doctoral theses in the specialties: 111.03, 533.06, 532.02. Under my scientific coordination were defended 7 doctoral theses in science. Currently, there are 6 doctoral theses in preparation.
- 2010 - present, Head of the Computer Science and Information Technologies Department, Tiraspol State University
- 2016 - present, President of the Scientific Council of the State University of Tiraspol

TEACHING ACTIVITIES

- 1985 – present, I conducted the following courses:
 - license (cycle I): Numerical Methods, Analytical Geometry, Probability Theory, Programming Techniques, Graph Theory, Computer Didactics.
 - master's degree (cycle II): Universal Algebra, Recursion Theory, Algebraic Structures on the Computer, Visual Programming, Methodology of Scientific Research.
- 1985 – present, I coordinated the elaboration of about 150 Bachelor theses and 60 master's theses;
- 2010 – present, I am the President of the Organizing Committee of the Inter-universities Informatics Olympiad.
- 2000-2010 member of the National Olympic Committee on Mathematics.
- 2004 - Deputy Leader at the International Mathematical Olympiad in Greece, Athens. Results: 2 gold medals (first for the Republic of Moldova) and 4 bronze medals.

PUBLICATIONS (SHORT LIST)

- 1982 - present, about 200 scientific-methodological publications in national and international scientific journals, monographs, manuals
- Monograph: Topological Algebraic Systems, Science Publishing House, 2009, 204p
- Liubomir Chiriac, Chiriac L. Jr., N. Bobeica, "On Topological Groupoids and Multiple Identities", Bulletin of the Moldovan Academy of Science, Mathematics Series, No.1, 2009, 67-79
- N. Bobeica, L. Chiriac, "On topological AG-groupoids and paramedial quasigroups with multiple identities," Romai Journal, Volume 6, Number 1, 2010, 5-14
- Mitrofan M. Choban and Liubomir L. Chiriac. "Selected problems and results of topological algebra". Romai Journal, Volume 9, Number 1, 2013 1-25
- Mitrofan M. Choban and Liubomir L. Chiriac "On free groups in classes of groups with topologies". Bulletin of the Moldovan Academy of Science, Mathematics Series, Nr. 2-3, 2014 61-79

- Кирияк Л. «О топологии свободных алгебр с условием Мальцева и k -пространств» Изв. АН ССРМ сер. Матем., 1990, N 2, 7-13.
- M. Choban, L. Kiriyak. "Applications of uniform structures to the investigation of free topological algebras" // Sibirskii Matem. J., 33, 5, 1992, pp.159-172. There exists the English traslation.
- Chiriac L.L., Chiriac E.V., Zagorceanu E.M., Artiomova L.T., Matienco B.T., Ultrastructural diagnosis of fruits during computer-assisted storage. Bulletin of the Academies of Sciences of the Republic of Moldova. Chisinau "Science", 1993 p.23-27
- M. Choban, L. Kiriyak "Decomposition of Some Algebras with Topologies and their Resolvability", Buletinul Academiei de Ştiinţe a Republicii Moldova, seria matematica, 3 (37), 2001, p.27-37
- M. Choban, L. Kiriyak "The homomorphisms of fuzzy algebras" // An. Univ. Oradea Fasc . Mat. 8 (2001), 131-138
- Mitrofan M. Choban and Liubomir L. Kiriyak „The topological quasigroups with multiple identities”, Quasigroups and Related Systems 9 (2002), 19-31
- Mitrofan M. Choban and Liubomir L. Kiriyak „COMPACT SUBSETS OF FREE ALGEBRAS WITH TOPOLOGIES AND EQUIVALENCE OF SPACES”, USA, Hadronic Journal, Volume 25, Number 5, Octomber 2002, p. 609-631
- Liubomir Chiriac, Resolvability of some special algebras with topologies”, Buletinul Academiei de Ştiinţe a Republicii Moldova, seria MATEMATICA, Nr.2, 2008
- Liubomir Chiriac, Nicolae Golovco "Numerical methods. Laboratory guide". Tiraspol State University, 2004 UDC 519.6 (076.5) ISBN 9975-9777-0-7, 125 p.
- Liubomir Chiriac, "Algebraic structures on the Computer". Central Printing House, 2014, UDC 519.6: 004 (075.8) ISBN 978-9975-53-301-0, 60 p.
- Liubomir Chiriac, "Numerical Methods". Central Printing House, 2014 UDC 519.6, ISBN 978-9975-53-300-3, 196 p.
- Violeta Bogdanova, Liubomir Chiriac. The potential of the discipline "Information Security" in the digital competence formation in training future economists. CAIM-2019, Proceedings of the 27th Conference on Applied and Industrial Mathematics, Valahia University, Targoviste, Romania, 19-22 September, 2019 Communications in Education, ISBN 978-9975-76-282-3, p. 14-18
- Eugenia Chiriac, Liubomir Chiriac. Theoretical and practical significance regarding the study of bionics in the university system. Acta et Commentationes, Education Sciences, No.1 (15), 2019, ISSN 1857-0623, E-ISSN 2587-3636, pp. 14-24
- В. Богданова, Л. Кирияк. Методическая система обучения дисциплины «Защита компьютерной информации» студентам гуманитарного профиля. Acta et Commentationes, Ştiinţe ale Educaţiei, Nr.2 (14), 2019, ISSN 1857-0623, E-ISSN 2587-3636, pag. 10-18
- **Богданова В.А., Кирияк Л.** Особенности процесса преподавания дисциплины «Защита компьютерной информации» студентам экономического профиля подготовки//„Інформаційна безпека та комп'ютерні технології: Збірник тез доповідей ІІІ Міжнародної науково-практичної конференції”, 19-20 квітня 2018 року, м. Кропивницький: ЦНТУ, 2018. – 336 с.- С.36-40 (**Украина**)
- **Богданова В.А., Кирияк Л.Л.** Внедрение информационных технологий в процесс преподавания курса «Защита компьютерной информации».– **II Международная научно-практическая заочная интернет-конференция «Филологические и социокультурные вопросы науки и образования», Посвященная 100-летию КубГУ Краснодар, Россия.**– 23 октября 2017, –С.270-276

AWARDS

- In 1992, I was awarded the title of winner of the Republican Prize for Youth in the field of Science and Technology.
- In 2002, I became a winner of the State Prize of the Republic of Moldova in the field of Science, Techniques and Production for 2001 (Government Decision of the Republic of Moldova no. 887 of 24.08.2001).

OTHER

- 2010 - 2016, 2018 - present, Executive Director of the Institute for Development and Social Initiatives (IDIS) "Viitorul". IDIS "Viitorul" is an independent think tank, established in 1993. As an independent think tank, IDIS combines social, political and economic research with solid advocacy components. The institution carries out applied monitoring research in several areas: economy, social policy, EU policies, regional development, but also security and foreign policy risks (www.viitorul.org).