

**CURRICULUM VITAE OF TATIANA A. STRIZH**  
**Deputy Director of the Laboratory of Information Technologies**

**Tatiana Aleksandrovna Strizh**, Candidate of Sciences in Physics and Mathematics

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**Born:** 28 February 1946, Tallinn, USSR

**Education:** (years, institutions, degrees, title of thesis)

1964 – 1966	Tartu State University, Department of Physics and Mathematics
1966 – 1970	Moscow State University, Physics Department
1970 – 1973	Moscow State University, Physics Department, Post-graduate studies
1989	Candidate of Sciences in Physics and Mathematics: «Newtonian schemes and a continuation method in the numerical analysis of some models of theoretical physics»

**Professional career:**

1973 – 1996	Junior Researcher, Acting Researcher, Senior Researcher, Joint Institute for Nuclear Research, LCTA
1998-2005	Deputy Director of the University Center, Joint Institute for Nuclear Research
1996 – 2012	Scientific Secretary, Head of Sector, Joint Institute for Nuclear Research, LCTA/LIT
2013	Deputy Director of the Laboratory of Information Technologies

**Research interests:** methods for analysis and data processing; computing & networking, Grid technologies, high-performance and distributed computing

**Other activities: (lecturing, membership in organizations, etc)**

1997-1998	Lecturer, Department of Automated Management Systems, International University «Dubna»
1998-2005	Lecturer, JINR University Centre

**Scientific-organizational activities:**

Since 1993 Co-chairman, scientific secretary, and member of organizing committees of international conferences and schools. The most famous conference for the last 5 years: NEC-2013 (Varna), NEC-2015 (Montenegro), NEC-2017 (Montenegro), GRID-2014, GRID-2016, GRID-2018 (Dubna), «Math. Computer. Education» (Dubna, Russia) in 2012, 2014, 2016, 2018, «Mathematical Modeling and Computational Physics» .

**Grants, federal contracts:**

Since 1994	Russian Foundation for Basic Research, 5 grants
Since 2003	WLCG - member from JINR

2004-2010	European project EGEE (Enabling GRID for E-science) – dissemination & outreach coordinator from Russia and JINR
2005-2006	Project of the Federal Agency of Science and Innovations of Russian Federation “Development of a prototype centre of basic grid-service of new generation for intensive operation with distributed data in a federal scale” – member from JINR
2007-2010	SKIF-GRID “The development and use of hard- and software in grid-technologies and advanced supercomputer systems SKIF in 2007-2010 “- member from JINR
2008-2010	Project of the Federal Agency of Science and Innovations of Russian Federation “Working out the computing system for development of the Grid-complex RuTier2/RDIG for carrying out by the Russian institutes the distributed data analysis for the LHC experiments as a part of global Grid-system WLCG/EGEE” - member from JINR
2008-2011	“GridNNN - National Nanotechnological Network” - member from JINR
Since 2010	European project EGI-InSPARE (European Grid Initiative-Integrated Sustainable Pan-European Infrastructure for Researchers in Europe) – member from JINR
2011-2012	Project of the Ministry of education and science of Russian Federation «Model of a shared distributed system for acquisition, transfer and processing of very large-scale data volumes, based on Grid technologies, for the NICA accelerator complex» - member from JINR
Since 2011	Project of the Ministry of education and science of Russian Federation «Creation of an automated system of data processing for experiments at the Large Hadron Collider (LHC) of Tier-1 level and maintenance of Grid-services for a distributed analysis of these data» - member from JINR

**Bibliography:** Results of the scientific activities have been published in more than 120 articles

**Awards, Prizes:**

1997	Medal "In memory of the 850th anniversary of Moscow"
2000	Veteran of Atomic Engineering and Industry
2011	Certificate of Honor of the Governor of Moscow region
2013	JINR First Prize «JINR Grid Infrastructure as a Component of Russian and World-Wide Grid»
2016	Certificate of Honor of the Ministry of Science and Education of the Russian Federation

**MAIN PUBLICATIONS BY T.A. STRIZH**

**(2013-2018)**

1. The Tier-1-level computing system of data processing for the CMS experiment at the Large Hardon Collider. N.S. Astakhov, S.D. Belov, I.N. Gorbunov, P.V. Dmitrienko, A.G. Dolbilov, V.E. Zhiltsov, V.V. Korenkov, V.V. Mitsyn, **T.A. Strizh**, E.A. Tikhonenko, V.V. Trofimov, S.V. Shmatov// Information technology and computation systems, 2013, №4, P27-36.
2. LHC Grid Computing in Russia: present and future. A. Berezhnaya, A. Dolbilov, V.Ilyin, V.V.Korenkov, Y. Lazin, I. Lyalin, V. Mitsyn, E. Ryabinkin, S. Shmatov,

- T. Strizh**, E.Tikhonenko, I. Tkachenko, V. Trofimov, V. Velikhov, V. Zhiltsov // Journal of Physics: Conference Series, ISSN:1742-6588, eISSN:1742-6596.
3. CMS Tier-1 at JINR. N.S.Astakhov, S.D.Belov, P.V. Dmitrienko, A.G.Dolbilov, I.N.Gorbunov, V.V.Korenkov, V.V.Mitsyn, S.V.Shmatov, **T.A.Strizh**, E.A.Tikhonenko, V.V.Trofimov, V.E.Zhiltsov // Proceedings of the XXIV Int. Symposium NEC-2013 JINR, Dubna, ISBN 926-5-0530-0374-2, 2013, p.19-23.
  4. Grid technologies for large-scale projects. A. Dolbilov ; V. Korenkov ; V. Mitsyn ; V. Palichik ; S. Shmatov ; **T. Strizh** ; E. Tikhonenko ; V. Trofimov ; N. Voytishin //Proceedings of the 8-th ROLCG 2015 Conference (“Grid, Cloud and High Performance Computing in Science”, 28th - 30th October, Cluj-Napoca, Romania, Editura U.T. PRESS.
  5. The development of distributed computing technologies and BigData in LIT-JINR V. Korenkov, **T. Strizh**, Gh. Adam, D. Podgainy // Proceedings of the 8-th ROLCG 2015 Conference (“Grid, Cloud and High Performance Computing in Science”, 28th - 30th October, Cluj-Napoca, Romania, Editura U.T. PRESS.
  6. JINR TIER-1-Level computing system for the CMS experiment at LHC: status and perspectives. N.S.Astakhov, A.S.Baginyan, S.D.Belov, A.G.Dolbilov, A.O.Golunov, I.N.Gorbunov, N.I.Gromova, I.A.Kashunin, V.V.Korenkov, V.V.Mitsyn, S.V.Shmatov, **T.A.Strizh**, E.A.Tikhonenko, V.V.Trofimov, N.N.Voitishin, V.E.Zhiltsov // Computer Research and Modeling, 2015, V7, № 3, P455-462.
  7. Concept of JINR Corporate Information System. I.Filozova, V.V.Korenkov, S. Kuniaev, R. Semenov ,G. Musulmanbekov, , **T. Strizh**, T. Zaikina // Physics of Particles and Nuclei Letters, V.13, N5, P. 625-628, 2016.
  8. JINR Tier-1 Centre for the CMS Experiment at LHC. N. Astakhov, S. Belov, A. Dolbilov, I. Kashunin, V.V.Korenkov,V. Mitsyn, **T.Strizh**, at al // Physics of Particles and Nuclei Letters, ISSN 1547-4771, V13, N5, P.714-717, 2016.
  9. Tier-1 CMS at JINR: Status and Perspective. N.Astakhov, S.Belov, A.Dolbilov, I.Kadochnikov, I.Kashunin, V.V.Korenkov, V.Mitsyn, **T.Strizh**, at al // CEUR Workshop Proceedings V1787, 2016, P1-14.
  10. Operation center of the JINR Multifunctional information and computing complex. A.Golunov, A. Dolbilov, I. Kadochnikov, I. Kashunin, V.V.Korenkov, V. Mitsyn, I. Pelevanyk, **T. Strizh** // CEUR Workshop Proceedings V1787, 2016, P235-240.
  11. The monitoring system of Multifunctional Information and Computing Complex. A. Golunov, A. Dolbilov, I. Kadochnikov, I. Kashunin, V.V.Korenkov, V. Mitsyn, I. Pelevanyk, **T. Strizh** // CEUR Workshop Proceedings V1787, 2016, P256-263.
  12. HybriLIT - the main component of the MICC for heterogeneous computations at JINR. G.Adam, V.Korenkov, D.Podgainy, O.Streltsova, **T.Strizh**, P.Zrelov // CEUR Workshop Proceedings V 2023, 2017, P351-356.
  13. Multi-level monitoring system for multifunctional information and computing complex at JINR. A.Baginyan, N.Balashov, A.Baranov, S.Belov, D.Belyakov, Y.Butenko, A.Dolbilov, A.Golunov, I.Kadochnikov, I.Kashunin, V.Korenkov, N.Kutovskiy, A.Mayorov, V.Mitsyn, I.Pelevenyuk, R.Semenov, **T.Strizh**, V.Trofimov, M.Vala // CEUR Workshop Proceedings V 2023, 2017, P226-233.
  14. JINR Grid Tier-1@Tier-2. N.Astakhov, A.Baginyan, A.Balandin, S.Belov, A.Dolbilov, A.Golunov, N.Gromova, I.Kadochnikov, I.Kashunin, V.Korenkov, V.Mitsyn, I.Pelevenyuk, S.Shmatov, **T.Strizh**, V.Trofimov, N.Voitishin, V.Zhiltsov // CEUR Workshop Proceedings V 2023, 2017, P68-74.