

List of Publications:

1. L. Burdiladze , O. Kharshiladze , Z. Modebadze- Analysis of Solar Activity and Earth's Climate, International Scientific Conference "Geophysical Processes in the Earth and its Envelopes", Tbilisi, Georgia, November 16-17, 2023;
2. Irina Khomeriki, Nana Nozadze, Zurab Modebadze - Stages of big data processing and analysis; The plenary session was held on November 18, 2022, at 11 a.m., *Georgian Technical University*;
3. Гаси́ташвили (zur_gas@gtu.ge), З. Модебадзе (zmodebadze@gtu.ge), Д. Сацерадзе (d_satseradze@gtu.ge), ГТУ, Применение новых технологий виртуализации в учебном процессе, The 9th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2021), DUBNA, Russia, July 5-9, 2021.
4. S. Aiello, ..., Z. Modebadze,... N. Zywuca.(corresponding author C. Distefano). gSeaGen: the KM3NeT GENIE-based code for neutrino telescopes, Computer Physics Communications (ISSN - 0010-4655), April 1, 2020.
5. Shanidze R., Modebadze Z., Papalashvili G., Kharkhelauri L. KM3NeT Computing at Tbilisi State University, 8th Conference at TSU of Exact and Natural Science Faculty, 3-7 February, Tbilisi, 2020.
(http://training.hepi.tsu.ge/Shanidze/talks/Shanidze_ENS_2020.pdf)
6. Z. MODEBADZE. Techniques of Debugging and Adjusting the LAN, IX Annual International Conference of the Georgian Mathematical Union, Batumi, September 3-7, 2018.
 7. N. JIADZE, Z. MODEBADZE, T. DAVITASHVILI. Installation, computing and Some Results of Numerical Calculations Executed by WRF Model, IX Annual International Conference of the Georgian Mathematical Union, Batumi, September 3-7, 2018.
 8. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze, G. Mgeladze, G. Bolotashvili and Z. Modebadze,Fuzzy Choquet Integral Aggregations in Multi-Objective Emergency Service Facility Location Problem,Bulletin of Georgian National Academy of Sciences, vol. 12, no. 1, Tbilisi, 2018.
9. Zurab MODEBADZE, Software of Distributed Computing Network Monitoring and Analysis ,VIII Annual International Conference of the Georgian Mathematical Union, Batumi, September 4-8, 2017.
 10. T. DAVITASHVILI, Z. MODEBADZE, N. JIADZE. Showers Simulation Study over Caucasus Region by WRF Model. Universal Journal of Applied Mathematics, Vol5 No5 (ISSN: 2331-6470), USA, 2017.
 11. T. DAVITASHVILI, Z. MODEBADZE, N. JIADZE. Showers Simulation Study over Caucasus Region by WRF Model Based on Grid Computing, International Conference "Mathematical Modeling and Computational Physics, 2017" (MMCP2017), Dubna, Russia, 2017.

12. T. Davitashvili, N. Kutaladze, R. Kvatadze, G. Mikuchadze, Z. Modebadze, I. Samkharadze, Precipitations Prediction by Different Physics of WRF Model, WSEAS Conference, (IARAS Transactions on Environmental Science), Rome, Italy, October 21-23, 2016.
13. OIKASHVILI Bekar, MODEBADZE Zurab, PRANGISHVILI Archil. Modern supercomputers, Georgian supercomputer project and usage areas, South-Caucasus Computing and Technology Workshop, SCCTW'2016, Tbilisi, Georgia, 3-7 October, 2016.
14. T. Davitashvili, N. Kutaladze, G. Mikuchadze, Z. Modebadze, Heavy showers prediction above the complex terrain based on WRF modeling, VII International Joint Conference of Georgian Mathematical Union & Georgian Mechanical Union, September 5-9, 2016, BATUMI.
15. OIKASHVILI Bekar, MODEBADZE Zurab, PRANGISHVILI Archil. New Approaches to Supercomputer Industry and Georgian Supercomputer Project., The 7th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2016), DUBNA, Russia, July 4-9, 2016.
16. Teimuraz Davitashvili, Zurab Modebadze, IMPLEMENTATION OF WRF MODEL FOR THE TERRITORY OF CAUCASUS, VI ANNUAL MEETING OF THE GEORGIAN MECHANICAL UNION, 29.09 – 04.10., 2015, TBILISI.
17. R.Kvatadze, Z.Modebadze : NETWORK AND COMPUTING INFRASTRUCTURE FOR SCIENTIFIC APPLICATIONS IN GEORGIA, ISSN 1547-4771, Physics of Particles and Nuclei Letters, 2016, Vol. 13, No. 5, pp. 681–684. Springer New York, 233 Spring Street, New York, NY 10013, USA © Pleiades Publishing, Ltd., 2016.
18. Bezhan Ghvaberidze, Gia Sirbiladze, Bidzina Matsaberidze and Zurab Modebadze, New Two-Stage Approach for Bi-criteria Vehicle Routing Problem in Extreme Environment. Recent Advances in Systems. Proceedings of the 19th International Conference on Systems (part of CSCC '15), 111-118, Zakynthos Island, Greece, July 26-20, 2015.
19. R.Kvatadze, Z.Modebadze (09-16 September, 2013) : Research network in Georgia, Report on XXIV International Symposium on Nuclear Electronics & Computing NEC'2013, BULGARIA, Varna (In English).
20. Modebadze Z., Shakhbatyan A... (2010); Grid cluster at the Institute of High Energy Physics of TSU, Caucasian-German School and Workshop in Hadron Physics 2010. http://www.fz-juelich.de/ikp/cgswhp/cgswhp10/program/talks/2010-05-04_A.Shakhbatyan.pdf
21. Z. Modebadze (19 of October 2008); Monitoring systems of Grid-networks, Computing-2008, Tbilisi, (In Georgian);

22. Modebadze Z., Debugging and Adjusting Global Networks, 29 December 2009, Akhalkikhe State University, Akhalkikhe, Georgia.
23. E.Magradze, Z.Modebadze (22-26 October, 2007) : Construction of Computational Segment at TSU HEPI Report on conference “Physics at the future colliders”, Tbilisi, Georgia.
24. E. Magradze, Z. Modebadze (10-17 September, 2007): Construction of Computational Segment at HEPI TSU, Report on XXI International Symposium on Nuclear Electronics & Computing NEC'2007, BULGARIA, Varna (In English).
25. A. Adamia, M. Demetrashvili, Z. Modebadze, T. Pitskhelauri, R. Shanidze (2000): Linux-Server For Research Computation, Tbilisi State University, Tbilisi, 1-20 pp. (In Georgian). (http://training.hepi.tsu.ge/Shanidze/HEPI_Linux_2000.pdf) .
26. A. Adamia, B. Chiladze, Z. Modebadze, T. Pitskhelauri. (1999): Method of Statistical Collection in the Local Network. Bulletin of the Georgian Academy of Sciences, 160, N1, 125-127 pp. (In English).
27. Modebadze Zurab. (1998): Local and Global Computer Networks, (Course of lectures), Tbilisi State University, Tbilisi, 1-43 pp. (In Georgian).
28. Modebadze Zurab. (1998): Statistical Registration of Customers in the Computer Networks. Reports of Enlarged Session of the Seminar of I.Vekua Institute of Applied Mathematics, Volume 13, N4, Tbilisi, 57-59 pp. (In English).
29. N. Amaglobeli, B. Chiladze, L. Kiknadze, Z.Modebadze, T. Pitskhelauri and A.Tavkhelidze.(May 20-24,1997): The State of Realization of the NATO and INTAS grants for integration Georgian Academic Institutes in Internet. NATO Advanced Networking Workshop (ANW), Yerevan, 27-29pp. (In English).
30. Modebadze Z., Shudra O. (1993): Structuring the Local Area Informational Computer Network. Bulletin of the Georgian Academy of Sciences, 148, N2, 257-259 pp. (In Georgian).
31. Metonidze D., Modebadze Z., Shudra O. (July 1992): The LAN Project of the TSU HEPI, High Energy Physics Institute at Tbilisi State University 06-92, Tbilisi, 1-12 pp. (In Russian).
32. Mazepa E.Yu., Modebadze Z.S. et al. (1992): Technique of Collecting, Controlling and Analyzing Information about Functioning LAN JINET, P11-92-164, JINR, Dubna, 1-12 pp. (In Russian).
33. Mazepa E.Yu., Modebadze Z.S., Fariseev V.Ya. (1989): Technique of Debugging and Adjusting the JINR Network. Adjusting, P11-89-193, JINR, Dubna, 1-9 pp. (In Russian).

34. Mazepa E.Yu., Modebadze Z.S., Fariseev V.Ya. (1989): Technique of Debugging and Adjusting the JINR Network. Debugging, P11-89-192, JINR, Dubna, 1-4 pp. (In Russian).

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