

OS:

- *RedHat (Fedora) Linux* ;
- *Mandrake Linux* ;
- Solaris (versions 2.4-2.8) for Sun ;
- MS Windows NT/2000/XP/98 ;
- MS DOS;

Honours, Awards, Fellowships, Membership of Professional Societies

- Member of INTERNATIONAL COMPUTING BOARD of the CERN ATLAS DIRECTORY
- Chairman of the Advisory Committee of Georgian Research and Educational networking Association (GRENA)
- The award of first degree from IFIP in Budapest, 1998.

Certificates

3rd Network Technology Workshop CEENet, (Zagreb, Croatia, 1997);

4th Network Technology Workshop CEENet, (Bratislava, Slovakia, 1998);

Participation in Scientific Grant Projects and Conferences

2017-2018, Planning of facilities location and goods transportation in extreme situations, Grant of STCU/GNSF, 6297.

2016, Oct. 6-7, Eastern Partnership E-Infrastructure Conference, Tbilisi, Georgia.

2016, European Commission under the H2020 Research Infrastructures contract no. 675121 (project VI-SEEM).

2016-2017, Baltic Ecosystem for Digital Innovation (Universities of Stockholm, Lviv and Tbilisi);

2014, "Intelligent Support System for Optimal Route Planning for Transportation of Goods" , MTC U/23/4-102/13 (5891-Grant of GNSF 04/12).

09/2012 - 06/2014, Co - manager of international project "Education for Entrepreneurship and Education" (Granted by Swedish Institute).

2013, September 09-16, XXIV International Symposium on Nuclear Electronics & Computing NEC'2013, Varna, BULGARIA.

2012, 23-26 October 2012, 2nd ATLAS-SouthCaucasus Software/Computing Workshop & Tutorial chaired by Dario Barberis (Università e INFN Genova (IT)), Alexander Sharmazanashvili (Computer Aided Design Center (GE)) at Georgian Technical University, Tbilisi (Georgia)

2011 June 16-17, Conference “ The way forward for the information society in the Eastern Europe and South Caucasus countries: Priorities and Challenges”, Hotel “Old Tbilisi” , Tbilisi, Georgia.

2008-2009 Participation NATO’s project : “Development of Network Infrastructure at Ivane Javakhishvili Tbilisi State University”.

2008 International GRID Conference, LIT, Dubna, Russia.

2008 DAAD stipendium (during 3 month) : “Deployment and Tuning of Grid-related network monitoring services”, Juelich, JSC.

2007, Scientific visit in USA (Universities: Princeton, Rutgers, Drexel and Pennsylvania) and in Estonia (Universities of Tartu and Tallinn) (Granted by USAID)

2007-2010 ” The Search for and Study of a Rare Processes Within and Beyond Standard Model at ATLAS Experiment of Large Hadron Collider at CERN”, G-1458-we (Granted by MNTC).

2007 International Conference “Information and Communication Technologies of e-Learning” , Almaty.

2005, October 16-21, Physics at the future colliders, Tbilisi, Georgia.

1999 Scientific visit in England (Universities of Brunel and Manchester) during 1 month (Granted by Royal Society).

1998 Participation in the World Computer Congress in Vienna and Budapest(Granted by IFIP).

1998 Participation in the International Conference of UNIX administrations in Maastricht (Granted by USENIX).

1997 CERN School of Computing in Pruhonice, Prague (Granted by UNESCO).

1996 Creation of the computer class with Internet connection in the HEPI of TSU (Granted by INTASS INT/27/96).

1994 Project of Scientific network in Georgia (Granted by NATO NIG 941484).

List of Publications

1. Mazepa E.Yu., Modebadze Z.S., Fariseev V.Ya. (1988):

File Service Integrated Program for
CP/M Type Operation Systems, P11-88-323,
JINR, Dubna, 1-4 pp. (In Russian).

2. 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).

- 3.** 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).
- 4.** 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).
- 5.** 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).
- 6.** 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).
- 7.** 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).
- 8.** 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).
- 9.** Modebadze Zurab. (1998):
Local and Global Computer Networks,
(Course of lectures),
Tbilisi State University,
Tbilisi, 1-43 pp. (In Georgian).
- 10.** 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).
- 11.** 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).
12. 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).
13. 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.
14. Modebadze Z. , Debugging and Adjusting Global Networks,
29 December 2009, Akhalcikhe State University,
Akhalcikhe, Georgia.
15. Z. Modebadze (19 of October 2008);
Monitoring systems of Grid-networks,
Computing-2008, Tbilisi, (In Georgian);
16. 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](http://www.fz-juelich.de/ikp/cgswhp/cgswhp10/program/talks/2010-05-04_A.Shakhbatyan.pdf)
17. 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).
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, 2015.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. Zurab Modebadze, Software of Distributed Computing Network Monitoring and Analysis, VIII Annual International Conference of the Georgian Mathematical Union, Batumi, September 4-8, 2017.
28. G. Sirbiladze, B. Ghvaberidze, B. Matsaberidze, G. Mgeladze, G. Bolotashvili, **Z. Modebadze**, Fuzzy Choquet Integral Aggregations in Multi-Objective Emergency Service Facility Location Problem, Bulletin of the Georgian Academy of Sciences, Tbilisi, 2018.