

## CURRICULUM VITAE

### Personal details:

Name:	Dikovsky Valery
Data and place of birth:	16.11.1946, Leningrad, Russia
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### Education:

1984	Ph.D. in Physics from Institute of Metal Physics, Russian Academy of Sciences, Ural Science Center, Sverdlovsk, Russia. Ph.D. thesis: "Study of the Properties of Helicoidally Ordered Europium Metal".
1970	M.Sc. in Physics from Novosibirsk State University, Novosibirsk, Russia. Thesis: "Study of Lower Ionosphere Using Signals Reflected by Meteor Tracks".
1965-1970	Student of Physics Department, Novosibirsk State University, Novosibirsk.

### Employment:

2004-Pres.	Researcher in the Nanocenter, Ben Gurion University, Beer-Sheva, Israel.
2000-2004.	Researcher in the group of Prof. G.Jung, Ben Gurion University, Beer-Sheva, Israel (Shapiro foundation).
<b>1991-1999</b>	<b>Senior Researcher in the Institute of Inorganic Chemistry, Russian Academy of Sciences, Novosibirsk, Russia.</b>
1991-1998	Associated Professor, Department of Physics, Novosibirsk State University, Novosibirsk, Russia.

- 1987-1991 Senior Researcher in the Siberian Institute of Metrology,  
Novosibirsk, Russia. Head of research group.
- 1970-1987 Researcher in the Institute of Inorganic Chemistry,  
Russian Academy of Sciences, Novosibirsk, Russia.

### **Research experience:**

#### **Ben Gurion University:**

Experimental investigations of transport properties in manganites.  
Study of electrical noise in low doped manganites.  
Microwave propagation in HTSC-waveguides.

#### **Institute of Inorganic Chemistry & Siberian Institute of Metrology:**

Experimental investigations of high critical temperature superconducting materials (HTSC) in superconducting and normal state. Study of HTSC single crystals in high magnetic fields.

Applications of HTSC materials. Manufacturing and investigation of superconducting shields and study of normal metal -HTSC interface under high-density current.

Low temperature magnetism and phase transitions of rare-earth metals, experimental investigations of transport and magnetic properties of rare-earth metals.

#### **Management and designing of cryogenic and magnetic high field systems.**

Publications:

**Complete list of publications includes 75 items  
Among them from BGU 7 papers and 3 conference presentations.**

### **Teaching experience (courses taught):**

- 1991-1998 Associated Professor in Novosibirsk State University.  
Special course “Weak superconductivity” for Physics department students specializing in “Low Temperature Physics”.
- 1986-1987 Invited course “Cryogenics and Low Temperature Solid State Physics” for the researchers of Siberian Institute of Metrology, Novosibirsk.
- 1972-1978 Teaching assistant in the cryogenic laboratory of the Physics department, Novosibirsk State University.

### **Languages:**

Mother tongue Russian; English, basic Hebrew.

**Dr. Dikovsky Valery.**  
**List of publications**

**I. Peer reviewed papers (Ben Gurion University):**

1. V. Sokolovsky, V. Meerovich, V. Dikovsky, and E. Paperno  
Penetration of ac magnetic field into bulk high-temperature superconductors:  
Experiment and simulation.  
J. Appl. Phys. **95**, 6693 (2004).
2. G. Yassin, I. Barboy, V. Dikovsky, M. Kambara, D. A. Cardwell, S. Withington,  
Jung G.  
Microwave Transmission through High-temperature Superconducting  
Waveguides.  
Physica C **372**, (2002) 523-525.
3. V. Dikovsky, Ya. Yuzhelevsky, V. Markovich, E. Rosenberg, G. Gorodetsky and  
G. Jung, D. A. Shulatev and Ya. M. Mukovskii.  
Conductivity Oscillations in Current-Induced Metastable States in Low-Doped  
Manganite Single Crystals.  
Phys. Rev. B **65**, (2002) 144439.
4. Ya. Yuzhelevsky, V. Markovich, V. Dikovsky, E. Rosenberg, G. Gorodetsky and  
G. Jung, D. A. Shulatev and Ya. M. Mukovskii.  
Current-Induced Metastable Resistive States with Memory in Low-doped  
Manganites.  
Phys. Rev. B **64**, (2001) 224428.
5. Ya. Yuzhelevsky, V. Dikovsky, V. Markovich, G. Gorodetsky and G. Jung  
Current Induced Telegraph Noise in CMR Manganites.  
Fluctuation and Noise Letters **1**, (2001) L105.
6. Gh. Yassin, G. Jung, V. Dikovsky, I. Barboy, M. Kambara, D. A. Cardwell, and  
S. Withington.  
Investigation of Microwave Propagation in High-Temperature Superconducting  
Waveguides.  
IEEE Microwave and Wireless Component Letters **11** (2001) 413.
7. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Y. Dikovsky, K. R. Zhdanov,  
M. Y. Kameneva, L. P. Kozeeva.  
Magnetoresistance of TmBaCuO single crystals in the antiferromagnetic state.  
Physics of Metals and Metallography **93**, (2002) S133-S136 Suppl. 1.

**II. Peer reviewed papers (Inorganic Chemistry Institute, Novosibirsk,  
Russia):**

8. E. B. Amitin, A. G. Baikarov, A. G. Blinov, L. A. Boyarskii, V. Ya. Dikovskii,  
K. R. Zhdanov, M. Yu. Kameneva, L. P. Kozeeva and A. P. Shelkovnikov.  
Magnetoresistance of Lightly Doped TmBa<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> Crystals. Reorientation of the

Antiferromagnetic Structure in a Magnetic Field.  
JETP Letters, **70** (1999) 352.

9. E. B. Amitin, V. Ya. Dikovskiy, A. N. Lavrov, and A. P. Shelkovnikov.  
Scaling Behavior in Normal State Properties of Underdoped TmBaCuO Single Crystals.  
Physica B, **259-261** (1999) 526.
  
10. E. B. Amitin, and V. Ya. Dikovskiy.  
Progress in Studying of Normal State Properties of Cuprate HTSC in Pseudogap Region.  
in "Northeast Asian Study Series 4. High Temperature Superconductivity : New Materials and Properties". Edited by Kyosake Terayama. P. 11-18.  
Center for Northeast Asian Studies. Tohoku University 1999.
  
11. E. B. Amitin, V. Ya. Dikovskii, A. N. Lavrov, and A. P. Shelkovnikov.  
Scaling in ab-Resistivity of TmBaCuO Single Crystals in the Normal State.  
JETP Letters, **66** (1997) 732.
  
12. V. Ya. Dikovskii, A. N. Lavrov, L. P. Kozeeva, E. V. Matizen, and A. P. Shelkovnikov.  
On the Applicability of the Resonance Tunneling Model for Describing of Conductivity Anisotropy in TmBCO Single Crystals.  
JETP Letters, **64** (1996) 820.
  
13. V. Ya. Dikovskiy, E. B. Amitin, Yu. A. Kovalevskaya, and A. G. Beloshapko.  
Effect of Axial Tension on Antiferromagnetic Transformation in Europium.  
Low Temperature Physics **22** (1996) 1042.
  
14. V. Dikovskiy, K. Zhdanov, and A. Shelkovnikov.  
Superconducting Fluctuation Effect on Normal State Resistance and Magnetoresistance of YBCO Single Crystals.  
Czechoslovak Journal of Physics, **46**, Suppl.S3 (1996) 1377.
  
15. E. B. Amitin, A. G. Blinov, L. A. Boyarskii, V. Ya. Dikovskii, K. R. Zhdanov, M. Yu. Kameneva, E. V. Matizen, V. N. Naumov, and G. I. Frolova.  
Spin Correlation Effects and the Transverse Magnetoresistance in YBCO Single Crystals with Different Oxygen Contents.  
JETP Letters, **62** (1995) 490.
  
16. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovskiy, K. R. Zhdanov, M. Yu. Kameneva, V. N. Naumov, G. I. Frolova, L. N. Demianets, I. N. Makarenko, A. Ya. Shapiro and T. G. Uvarova.  
Transverse Magnetoresistance of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> Single Crystals with Different Oxygen Contents.  
Phys. Rev. B **51** (1995) 15388.
  
17. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovskiy, K. R. Zhdanov, M. Yu. Kameneva, V. N. Naumov, G. I. Frolova, L. N. Demianets,

- I. N. Makarenko, A. Ya. Shapiro and T. G. Uvarova.  
Normal State Transverse Magnetoresistance of YBCO Single Crystal; Field and Angle Dependencies.  
Sverkhprovodimost': Fizika, Khimiya, Tekhnologiya (in Russian) **7** (1994) 1390.
18. V. E. Fedorov, P. M. Pletnev, M. G. Korpachev, A. I. Korpacheva, V. Ya. Dikovskij, A. P. Mazhara, V. Z. Gindullina, and O. G. Potapova.  
Superconducting Shields and Manufactured Ceramic Wares of Complex Configuration.  
Physica C, **185-189** (1991) 2491.
  19. V. G. Bessergenev, and V. Ya. Dikovskii.  
Electrical Properties of Ag-  $\text{YBa}_2\text{Cu}_3\text{O}_x$  Contacts at 20 - 800°C.  
Soviet Technical Physics Letters **15** (1989) 345 [Pisma Zh. Tekn. Fiz **15** (1989) 37].
  20. V. G. Bessergenev, C. A. Gromilov, V. Ya. Dikovskiy, P. M. Pletnev, P. P. Samoilov, A. V. Tararov and V. E. Fedorov.  
High-Temperature Electrical Resistance and Dilatometry of the Superconductor Oxide Ceramic Samples of Y-Ba-Cu- System.  
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR (in Russian). **5**, N17 (1988) 78.
  21. P. P. Bezverkhii, A. G. Blinov, V. Ya. Dikovskiy, V. G. Dudnikov, A. V. Dudnikov, Z. M. Logvinenko, V. A. Moiseenko, E. V. Matizen, P. P. Samoilov, and V. E. Fedorov.  
Low-Field Magnetic Properties, and Tunneling Studies of the Samples of YBaCuO System.  
Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR (in Russian). **5**, N17 (1988) 34.
  22. P. P. Bezverkhii, A. G. Blinov, V. Ya. Dikovskii and N. V. Kuskova.  
A Study of the Nature of Europium Excess Magnetization.  
Fizika Nizkikh Temperatur (in Russian). **8** (1982) 1198.
  23. A. G. Blinov, L. A. Boyarsky, and V. Ya. Dikovskii.  
Magnetic Behavior of Helicoidal Structure in Europium Metal.  
Fizika Nizkikh Temperatur (in Russian). **5** (1979) 253.
  24. L. A. Boyarsky, and V. Ya. Dikovskiy.  
A Study of the Irreversible Part of Magnetoresistivity of Europium.  
Fizika Nizkikh Temperatur (in Russian) **2** (1976) 1297.
  25. L. A. Boyarsky, V. Ya. Dikovskiy and S. M. Podgornikh.  
Effect of a Magnetic Field on Electrical Resistance of Europium Near Neel Point.  
Soviet Physics Solid State **18** (1976) 388 [Fiz. Tverd. Tela **18** (1976) 673].
  26. I. M. Barsky, L. A. Boyarsky, and V. Ya. Dikovskiy.  
Anomaly of Europium Electroconductivity Near Neel Point.  
Soviet Physics Solid State **16** (1974) 1995. [Fiz. Tverd. Tela **16** (1974) 3092]

27. I. M. Barsky, V. Ya. Dikovsky and A. I. Matitsin.  
Shock Synthesis of Superconducting Intermetallic Compounds.  
Combust. Explos. Shock, **8** (1972) 474.

### III. Extended Abstracts in the Conference Proceedings

1. V. Sokolovsky, V. Meerovich, V. Dikovsky, and E. Paperno.  
Penetration of AC magnetic field into bulk high-temperature superconductors:  
experiment and simulation  
9-th Joint MMM-Intermag Conference, Anaheim, California.
2. Gh.Yassin, G. Jung, V. Dikovsky, I. Barbov, M. Kambara, D. A. Cardwell, and  
S. Withington  
Propagation Properties of HTSC Cylindrical Waveguides.  
European Conference of Applied Superconductivity, EUCAS 2001, Copenhagen,  
2001.
3. V. Dikovsky, Ya. Yuzhelevsky, V. Markovich, E. Rosenberg, G. Gorodetsky and  
G. Jung, D. A. Shulatev and Ya. M. Mukovskii.  
Metastable Conductivity in Low-Doped Manganites.  
46-th Conference on Magnetism and Magnetic Materials  
Seattle, Washington, 2001.
4. E. B. Amitin, V. Ya. Dikovsky, A. N. Lavrov, and A. P. Shelkownikov.  
Scaling Behavior in Normal State Properties of Underdoped TmBaCuO Single  
Crystals.  
Intern. Conference on Strongly Correlated Electron Systems, Paris, 1998.
5. E. B. Amitin, V. Ya. Dikovsky, and M. Yu. Kameneva.  
New Sight on Optimal Doping Point of YBCO.  
5<sup>th</sup> Intern. Symp. on Research in High Magnetic Fields. Sydney, Australia, 1997.
6. V. Ya. Dikovsky, A. N. Lavrov, L. P. Kozeeva, E. V. Matizen and  
A. P. Shelkownikov.  
Resonant Tunneling Contribution of the c-Conductivity of TmBaCuO;  
5<sup>th</sup> Intern. Symp. on Research in High Magnetic Fields. Sydney, Australia, 1997.
7. E. B. Amitin, V. Ya. Dikovsky, and K. R. Zhdanov.  
Some Features of d-Spin Fluctuations in CuO<sub>2</sub> Layers of YBCO System.  
Abstracts of Intern. Conference on Physics and Chemistry of Molecular and  
Oxygen Superconductors, Karlsruhe, Germany, 1996.
8. E. B. Amitin, V. Ya. Dikovsky.  
Magnetoresistance of YBCO Single Crystals and Fluctuations of d-Spins.  
XXI Intern. Conference. on Low Temperature Physics., Prague, Czech. Rep.,  
1996, P.477.
9. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovsky, K. R. Zhdanov,  
M. Yu. Kameneva, V. N. Naumov, and G. I. Frolova.  
Connection Between Normal Magnetoresistance of YBCO Single Crystals and

d-Electron Spin Subsystem of the  $\text{CuO}_2$ -Layers.  
Abstracts of 6<sup>th</sup> European Conference on Magnetic. Materials and Applications  
Viena, Austria, 1995.

10. E. B. Amitin, A. G. Blinov, L. A. Bojarsky, V. Ya. Dikovskiy, K. R. Zhdanov, M. Y. Kameneva, O. M. Kochergin, V. N. Naumov, G. I. Frolova, L. N. Demyanetz, A. Y. Shapiro, I. N. Makarenko and T. G. Uvarova.  
Magnetoresistance of  $\text{YBa}_2\text{Cu}_3\text{O}_x$  Single Crystals with Different Oxygen Content  
Intern. Conference on Mechanisms and Materials of Superconductivity  $\text{M}^2\text{S} - \text{HTSC-IV}$ , Grenoble, France, 1994, Abstracts, P. 256.
11. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovskiy, K. R. Zhdanov, M. Yu. Kameneva, V. N. Naumov, and G. I. Frolova.  
Normal State Magnetoresistance of  $\text{YBa}_2\text{Cu}_3\text{O}_x$  Single Crystals.  
6<sup>th</sup> Intern. Symposium on Research In High Magnetic Fields, Nijmegen, 1994.
12. E. B. Amitin, A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovskiy, K. R. Zhdanov, M. Y. Kameneva, O. M. Kochergin, V. N. Naumov, G. I. Frolova, L. N. Demyanetz, A. Y. Shapiro, I. N. Makarenko and T. G. Uvarova.  
Linear in Magnetic Field Magnetoresistance of  $\text{YBa}_2\text{Cu}_3\text{O}_x$ .  
Intern. Conference on Magnetism. Warsaw, Poland, 1994, Abstracts, P. 276.
13. V. E. Fedorov, P. M. Pletnev, M. G. Korpachev, A. I. Korpacheva, V. Ya. Dikovskiy, A. P. Mazhara, V. Z. Gindullina, and O. G. Potapova.  
Superconducting Shields and Manufactured Ceramic Wares of Complex Configuration.  
Proc. of Intern. Conference on Materials and Mechanisms of Superconductivity HTSC, Kanazava (Japan) 1991, P.568.
14. V. E. Fedorov, P. M. Pletnev, M. G. Korpachev, A. I. Korpacheva, V. Ya. Dikovskiy, A. P. Mazhara, and V. Z. Gindullina.  
Fabrication and Properties of Superconducting Ceramic Shields.  
Abstracts Intern. Workshop on Chemistry and Technology of HTSC. Moscow, 1991, p.131.
15. V. E. Fedorov, P. M. Pletnev, A. I. Korpacheva, M. G. Korpachev, V. Z. Gindullina, V. Ya. Dikovskiy, A. P. Mazhara, and P. P. Samoilov.  
A Technology for Fabrication of Screens of Superconducting  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  - Based Ceramics.  
Proc. of Symposium A on High  $T_c$  Superconductor Materials of the E-MRS Spring Meeting, Strassbourg, France, 1990.
16. V. G. Bessergenev, V. Ya. Dikovskiy, S. A. Gromilov, P. P. Samoilov, A. V. Tararov, and V. E. Fedorov.  
Electric Properties of Y-Ba-Cu-O -System at High Temperatures.  
Proceedings of 8-th General Conference on the Condensed Matter Division, Budapest, 1988.

17. A. G. Blinov, L. A. Bojarsky, and V. Ya. Dikovsky.  
Magnetization and Magnetoresistivity of Europium Metal.  
Abstracts of 16<sup>th</sup> Intern. Conference (SEV) on Low Temperature Physics,  
Bucharest, Rumanian, 1977.
18. L. A. Bojarsky, and V. Ya. Dikovsky.  
Low Temperature Magnetoresistivity of Europium.  
Proc. of 12<sup>th</sup> Intern. Conference on Researches of Rare Earth Metals, USA, 1976.
19. V. Ya. Dikovsky.  
Study of the Electroresistivity of Europium Metal Near the Neel Point  
Proc. of 11<sup>th</sup> Intern. Conference on Researches of Rare Earth Metals, USA, 1974.

**IV. Proceedings and extended abstracts on the national (Russian and the former Soviet Union) conferences:**

1. E. B. Amitin, A. G. Blinov, L. A. Bojarsky, V. Ya. Dikovsky, K. R. Zhdanov, M. Y. Kameneva, E. V. Matizen, V. N. Naumov, and G. I. Frolova.  
Spin Correlation Effects in Transverse Magnetoresistance of YBCO Single Crystals.  
5<sup>th</sup> Symposium “Non-Uniform Electronic States” (in Russian). Novosibirsk 1995.
2. E. B. Amitin, A. G. Blinov, V. Ya. Dikovsky, K. R. Zhdanov, E. V. Matizen, M.S.Mel’gunov, and V.N.Naumov.  
A Contribution of Superconducting Fluctuations to Electrical resistivity of YBCO Single Crystals with Different Oxygen Content.  
5<sup>th</sup> Symposium “Non-Uniform Electronic States” (in Russian). Novosibirsk,1995.
3. P. P. Bezverkhii, A. G. Blinov, V. Ya. Dikovsky and M. Y. Kameneva.  
Synthesis and Study of Bi-2223 Ceramic Samples with High c-Axis Orientation.  
5<sup>th</sup> Symposium “Non-Uniform Electronic States” (in Russian). Novosibirsk, 1995.
4. E. B. Amitin, A. G. Blinov, V. Ya. Dikovsky, K. R. Zhdanov, E. V. Matizen, M. S. Mel’gunov, and V. N. Naumov.  
A Contribution of Superconducting Fluctuation in Transport Properties of YBCO Single Crystals with Different Oxygen Contents.  
Conference on Superconductivity. Physical Aspects (in Russian). Khar’kov, 1995.
5. E. B. Amitin, L. A. Bojarsky, A. G. Blinov, V. Ya. Dikovsky, K. R. Zhdanov, M. Y. Kameneva, E. V. Matizen, V. N. Naumov, and G. I. Frolova.  
Magnetoresistivity of YBCO Crystals and Correlation Effects in d-Spin System.  
Conference on Superconductivity. Physical Aspects (in Russian). Khar’kov, 1995.
6. M. Y. Kameneva, P. P. Bezverkhii, and V. Ya. Dikovsky.  
Bi-Ceramics: Structure, Texture, Electrical and Magnetic Properties.  
Intern. Conference on Rentgen Study of Minerals (in Russian). Belgorod, 1995.
7. E. B. Amitin, A. G. Blinov, L. A. Bojarsky, V. Ya. Dikovsky, K. R. Zhdanov,

- M. Y. Kameneva, O. M. Kochergin, V. N. Naumov, G. I. Frolova,  
L. N. Demyanetz, A. Y. Shapiro, I. N. Makarenko and T. G. Uvarova.  
Transverse Magnetoresistance of YBCO Single Crystals with Different Oxygen  
Contents.  
30<sup>th</sup> Conference on Low Temperature Physics (in Russian). Dubna 1994.
8. E. B. Amitin, A. G. Blinov, L. A. Bojarsky, V. Ya. Dikovsky, K. R. Zhdanov,  
M. Y. Kameneva, O. M. Kochergin, V. N. Naumov, and G. I. Frolova.  
Normal State Anisotropy of the Magnetoresistance of  $\text{YBa}_2\text{Cu}_3\text{O}_x$  Single  
Crystals.  
30<sup>th</sup> Conference on Low Temperature Physics. (in Russian). Dubna, 1994.
  9. E. B. Amitin, A. G. Blinov, L. A. Bojarsky, V. Ya. Dikovsky, K. R. Zhdanov,  
V. N. Naumov, and G. I. Frolova.  
Normal State Magnetoresistance of YBCO in Connection with Superconducting  
Characteristics.  
30<sup>th</sup> Conference on Low Temperature Physics (in Russian). Dubna, 1994.
  10. A. G. Blinov, L. A. Boyarsky, V. Ya. Dikovsky, M. Yu. Kameneva,  
Yu.V. Klimov, E. V. Matizen, and B. I. Perekrestov.  
Resistive State and Critical Current of the Shock-Compacted Ceramic Bi-2223.  
29<sup>th</sup> Conference on Low Temperature Physics (in Russian). Kazan', 1992.
  11. V. Ya. Dikovsky, L. O. Babailova, V. E. Fedorov, P. M. Pletnev, M. G.  
Korpachev, and A. P. Mazhara.  
Screening of ac and dc Magnetic Fields Using Cylindrical  $\text{YBaCuO}$  - Based  
Superconductive Shields.  
4<sup>th</sup> Symposium "Non-Uniform Electronic States" (in Russian). Novosibirsk, 1991.
  12. V. E. Fedorov, P. M. Pletnev, M. G. Korpachev, A. I. Korpacheva,  
V. Ya. Dikovsky, A. P. Mazhara, and V. Z. Gindullina.  
Fabrication and Properties of Superconducting Ceramic Shields.  
Workshop on Chemistry and Technology of HTSC (in Russian). Moscow, 1991.
  13. V. E. Fedorov, A. P. Mazhara, V. Ya. Dikovsky, P. M. Pletnev, M.G. Korpachev,  
A. I. Korpacheva, V. G. Martinets, I. N. Kuropyatnik, and Yu. I. Mironov.  
Superconducting Shields and Manufactured Ceramic Wares of Complex  
Configuration.  
Workshop on Chemistry and Technology for HTSC-Materials (in Russian).  
Sverdlovsk, 1990.
  14. V. G. Bessergenev, and V. Ya. Dikovsky.  
A Notice of the Electrical Contacts  $\text{Ag}/\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  and  $\text{Ag}/\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_y$ .  
3<sup>rd</sup> Symposium "Non-Uniform Electronic States" (in Russian). Novosibirsk, 1989.
  15. V. G. Bessergenev, and V. Ya. Dikovsky.  
Time and Temperature Dependencies of Electrical Properties of the Contact  
 $\text{Ag} / 123$ -Ceramics.  
Conference on Optimization of HTSC (in Russian). Sverdlovsk, 1989.

16. V. G. Bessergenev, V. Ya. Dikovsky, and A. V. Tararov.  
Electrical Properties and Phase Transitions of 123-Ceramics in High Temperature Region.  
Seminar "Superconductors with High Temperatures of Superconducting Transition" (in Russian). Donetsk, 1988.
17. V. G. Bessergenev, V. Ya. Dikovsky and A. V. Tararov.  
Time and Temperature Variation of Electrical Resistivity of Y-Ba-Cu-O in High Temperature Region.  
8<sup>th</sup> Conference on Thermophysical Properties of Materials (in Russian). Novosibirsk, 1988.
18. V. G. Bessergenev, V. Ya. Dikovsky, S. A. Gromilov, P. P. Samoilov, A. V. Tararov and V. E. Fedorov.  
Electrophysical Properties of Y-Ba-Cu-O System at High Temperatures.  
8<sup>th</sup> Conference on Thermophysical Properties of Materials (in Russian). Novosibirsk, 1988.
19. P. P. Bezverkhii, A. G. Blinov, V. Ya. Dikovsky, V. G. Dudnikov, A. V. Dudnikov, Z. M. Logvinenko, V. A. Moiseenko, E. V. Matizen, P. P. Samoilov, M. A. Starikov and V. E. Fedorov.  
Magnetic Properties in Low Field and Tunneling Study in the Samples of Y-Ba-Cu-O System.  
Workshop on the Problems of High  $T_c$ -Superconductivity (in Russian). Sverdlovsk, 1987.
20. V. Ya. Dikovsky, E. B. Amitin, Yu. A. Kovalevskaya, and A. G. Beloshapko.  
Effect of Axial Tension on the Order - Disorder Phase Transition in Europium.  
2<sup>nd</sup> Symposium "Non-Uniform Electronic States" (in Russian). Novosibirsk, 1987.
21. P. P. Bezverkhii, A. G. Blinov, V. Ya. Dikovsky, and N. V. Kuskova.  
The Connection of the Low Temperature Magnetization with the Contents of Hydrogen in Europium.  
16<sup>th</sup> Conference on Magnetic Phenomena (in Russian). Tula, 1983.
22. A. G. Blinov, and V. Ya. Dikovsky.  
Magnetoresistivity of Helicoidally Ordered Europium.  
21<sup>th</sup> Conference on Low Temperature Physics. (in Russian). Khar'kov, 1980.
23. A. G. Blinov, and V. Ya. Dikovsky.  
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