

REPORT

of the SID Russia Chapter

(January 2002 - May 2002)

1. January-April 2002. Edition of the special issue of a Russian magazine ELEKTRONNYYE KOMPONENTY (ELECTRONIC COMPONENTS) on display devices. More than 30 articles were written by 15 members of SID Russian, Belorussian and Ukrainian Chapters. The content is presented in the Table. The issue can be a base of a book on display devices in the CIS countries.

Table. CONTENT OF THE SPECIAL ISSUE OF “ELEKTRONNYYE KOMPONENTY”
MAGAZINE DEVOTED TO DISPLAY DEVICES

Scientific Coordinator Prof. Victor Belyaev, SID Russia Chapter Director

No.	Name of a paper	Author(s)
Reviews		
1	To-date display technologies and their application	Victor Belyaev
2	Brief review of world-wide, Russian and CIS market of to-date display devices and technologies	Victor Belyaev
3	Liquid crystal displays (non-projective)	Victor Belyaev, Vladimir Brezhnev
4	Cathode ray tubes	Igor Khutorskoy
5	Promising displays on the base of plasma display panels	Alexei Ivliushkin, Vladislav Samorodov
6	LED element base. Special features and application in display technologies	Yuri Trofimov
7	Inorganic electroluminescent displays	Stock Co. PROTON
8	Technology and driving circuitry of organic light emitting diode displays	Alexander Samarin
9	Flat panels on the base of low-voltage cathodeluminescence (Vacuum fluorescent devices and field emission arrays)	Boris Gorfinkel, Nickolai Abanshin, Anatoly Korovkin, Evguenia Rousina
10	Electrochromic and electrophoretic displays	Victor Ivanov
11	Projection displays	Alexander Sadchikhin

12	Liquid crystal electrooptic shutters	Igor Kompanets
13	Rugged displays for military and civilian application	Victor Belyaev
14	Russian display standards	Igor Litvak
15	VESA Display Committee standards	Victor Belyaev
16	Displays in Belarus	Alexander Smirnov
Obituaries of Nickolai Basov, Alexander Prokhorov, Sergei Darevsky, Yuri Manteifel, Oleg Bogdankevich		
75 th anniversary of Boris Gorfinkel		
Information about the SID and the SID Russia Chapter activities		
Information about 12 th International Symposium "Advanced Display Technologies" and Conference FLOWERS OF RUSSIA 2003		
Tables with brief information about 189 organization which produce or distribute display devices and components on the Russian and CIS market		
18 articles about Russian and oversea organizations which play significant role on the Russian and CIS market		

2. January 15, 2002. Celebration of 70th anniversary of *Dr. Vladimir Samsonov*, Chief Designer of Display Systems in the Mission Control Center, Korolev, Moscow Region. The systems created by Dr. V. Samsonov serve till now to provide safety, reliability and comfort of Russian space missions. 11 members of the SID Russia Chapter took place in the celebration ceremony in the office of AR Technology Co., Moscow.

3. March 18, 2002. Celebration of 75th anniversary of *Prof. Boris Gorfinkel*, former Director of R&D Institute VOLGA, Saratov. Prof. B. Gorfinkel is well known in the display community as a designer of a plenty display devices. Different VFD, LCD and electrochromic displays were developed and reduced into praxis under his supervision. 16 members of the SID Russia Chapter took place in the celebration ceremony in R&D Institute Volga, Saratov.

4. January - April 2002. Display seminars in the Scientists Hall in Saint-Petersburg (jointly with the Applied Optics Section of the Rozhdestvensky Optical Society).

a) January 28. Dr. B.S. Gurevich, Projection systems on the base acousto-optical devices.

- b) February. Dr. S.M. Pestov, Opportunities of calculation of main physical parameters of liquid crystal materials.
- c) March. Dr. V.L. Shmulevich, Problems of displays certification.
- d) April. P.A. Rumyantsev, Problems of creation of rugged LCDs.

5. March 1, 2002. The initial meeting of the Organizing Committee of 12th International Symposium "Advanced Display Technologies" and Conference FLOWERS OF RUSSIA 2003. A decision was made about Symposium's organization on the base of MASHPRIBOR Institute, the City of Korolev Moscow Region, with attendance of Mission Control Center, Museum of Energiya Corporation and display institutions in Moscow Region and Moscow.

6. November 2001 – April 2002. Publishing of papers on the SID activity and display technologies in a Russian magazine ELEKTRONIKA: NAUKA, TEKHNIKA, BUSINESS (ELECTRONICS: SCIENCE, TECHNOLOGY, BUSINESS) by members of the Russian SID Chapter.

Victor Belyaev: a set of papers on the SID 2001 Symposium, International Aerospace Saloon in Zhukovsky, Moscow Region, Automotive Saloon in Moscow.

Igor Litvak and Vladimir Samsonov: a set of papers on the problems of ergonomics.

Alexander Samarin: a paper on liquid crystal shutter for welding masks.

7. 2001-2002 (permanently). An interactive site (www.parent.fio) on problems of computer safety. The author Prof. *Igor Litvak* answers the questions of many users.

8. September 2001. A book by Maxim Tomilin "Interaction of liquid crystals with surface" has been published by Editorial Co. POLITEKHNIKA, Saint-Petersburg.

9. April 2002. A book by Victor Belyaev "Viscosity of nematic liquid crystals" has been published by Editorial Co. FIZMATLIT, Moscow.