

FREDERIKS MEDAL

The 14-th European Conference on Liquid Crystals was held in Moscow, Russia, on June 25-30, 2017. The conference was dedicated to the 90-th anniversary of Frederiks effect which has provided the basis for the display technology. Vsevolod Frederiks (Fredericksz) was a Russian physicist, the founder of the liquid crystal scientific school in Russia. Such dedication gives us a great opportunity to speak about the Frederiks medal, which was established by Russian Liquid Crystal Society «Sodruzhestvo» («Commonwealth») in 1996 as the highest scientific award in the field of liquid crystals. The statute of Frederiks medal was elaborated by Professor Anatoly Sonin.

The main items of this statute are the following:

1. The Frederiks medal is awarded for the outstanding scientific results in the field of liquid crystals;
2. Every year two Frederiks medals are awarded: one in the field of liquid crystal chemistry, another one in the field of liquid crystal physics;
3. One of the medals is to the Russian scientists (or to the scientists of former Soviet Union) another one – to the foreign scientists;
4. If one year a Russian (or former Soviet) physicist and a foreign chemist were awarded, next year the reversed situation should be;
5. The pretender has to be actively working person, not the one who had outstanding results many years ago;
6. Each member of the Russian Liquid Crystal Society can apply two candidates for the medal every year; the decision is taken by a simple majority vote of the «Sodruzhestvo» board members;
7. The medal is done from cooper alloy and has two sides: on one side – the profile of Frederiks, on another side – the text and the name of awarded person;
8. Along with the medal (Fig. 1, a), the awarded person receives a diploma created by painter (Fig. 1, b).



a



b

Liquid Crystal Society «Sodruzhestvo» (Commonwealth) awarded with the highest prize of our Society – Frederiks medal

Kats Efim Iosifovich

for the outstanding results in the field of Liquid Crystal Physics.

*President of Liquid Crystal
Society «Sodruzhestvo»
Scientific Secretary*

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Moscow 2003

Fig. 1. The obverse of the medal consists of a representation of a profile of Vsevolod Frederiks. The reverse side has the text and the recipient's name (a); the diploma of Prof. E. Kats (b)

The statute of the medal was approved by Russian Liquid Crystal Society members on the 10-th meeting of Society – 24 October 1996.

The medal was minted in St-Petersburg on the Russian Federation Mint. The sponsors were: Professor Victor Titov and Professor Alexander Ivashchenko.

The first awarded persons were: member correspondent of Russian Academy of Sciences,

Professor Victor Tsvetkov (in the field of liquid crystal physics) and Professor Georg Gray (in the field of liquid crystal chemistry, England). The awards were handed out on the 11-th meeting of Society dedicated to the memory of Professor Victor Titov, 21-st of May 1997 in Old Peterhof (close to St.-Petersburg) (Fig. 2).

So far 40 scientists from different countries were awarded the medal (Fig. 3, 4, Table).



Fig. 2. Medal awards ceremony for Prof. George Gray (UK). From left to right – the members of «Sodruzhestvo» board Dr. S. Torgova, Prof. S. Pikin, Prof. E. Ryumtsev (1997)



Fig. 3. The recipients of the medal Prof. A. Sonin (2000) and Prof. Yu. Evdokimov (2008)



Fig. 4. Previously awarded scientists – the participants of the 14-th ECLC (2017): From left to right – Prof. E. Averyanov (Russia), Prof. N. Tabiryan (USA), Prof. John Goodby (UK), Prof. G. Zharkova (Russia), Prof. L. Blinov (Russia), Prof. A. Petrov (Bulgaria), Prof. N. Usoltseva (Russia), Prof. S. Pikin (Russia), Prof. S. Palto (Russia), Prof. V. Shibaev (Russia), Prof. V. Bezborodov (Belarus), Prof. B. Ostrovskii (Russia), Prof. N. Clark (USA), Prof. S. Lagerwall (Sweden)

The list of awarded scientists

№	Year	Surname, first name	Section of science
1.	1997	Tsvetkov Victor (Russia) Gray George (UK)	Physics Chemistry
2.	1998	Zaupe Alfred (Germany) Shibaev Valery (Russia)	Physics Chemistry
3.	1999	Blinov Lev (Russia) Demus Dietrich (Germany)	Physics Chemistry
4.	2000	Chandrasekhar Subrahmanyam (India) Sonin Anatoly (Russia)	Physics Chemistry
5.	2001	Pikin Sergey (Russia) Neubert Mary (USA)	Physics Chemistry
6.	2002	Lagerwall Sven (Sweden) Kutulya Lidia (Ukraine)	Physics Chemistry
7.	2003	Kats Efim (Russia) Dabrowski Roman (Poland)	Physics Chemistry
8.	2004	Petrov Alexander (Bulgaria) Usol'tseva Nadezhda (Russia)	Physics Chemistry
9.	2005	Chilaya Guram (Georgia) Eidenschink Rudolf (Germany)	Physics Chemistry
10.	2006	Luckhurst Geoffrey (UK) Bezborodov Vladimir (Belarus)	Physics Chemistry
11.	2007	Ryumtsev Evgenii (Russia) Zaschke Horst (Germany)	Physics Chemistry
12.	2008	Clark Noel (USA) Evdokimov Yuri (Russia)	Physics Chemistry
13.	2009	Reznikov Yuri (Ukraine) Finkelman Haino (Germany)	Physics Chemistry
14.	2010	Schadt Martin (Switzerland) Karamysheva Ludmila (Russia)	Physics Chemistry
15.	2011	Palto Sergey (Russia) Tschierske Carsten (Germany)	Physics Chemistry
16.	2012	De Jeu Wim H. (Germany) Bolotin Boris (Russia)	Physics Chemistry
17.	2013	Ostrovskii Boris (Russia) Haase Wolfgang (Germany)	Physics Chemistry
18.	2014	Takezoe Hideo (Japan) Galyametdinov Yuri (Russia)	Physics Chemistry
19.	2015	Averyanov Evgenii (Russia) Goodby John (UK)	Physics Chemistry
20.	2016	Tabiryan Nelson (USA) Zharkova Galina (Russia)	Physics Chemistry

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