

**Physical Society
Awards Nomination Form
For Lise-Meitner-Prize
Year 2012**

Nominee's Name: Igor Stepanovich Makarov, PhD

His photo: www.keepandshare.com/doc/view.php?id=3159168&da=y

Institution: Independent researcher; his website: www.reformscience.org.

Address: P.O. Box 461, Haifa 31003, Israel

City, Post Code: Haifa, 31003

Country: Israel

Telephone: Tel/fax: +972-4-822-1997; mobile: +972-544-382-416: +972-547-856-170

E-mail: info@reformscience.org; macgregory_steph@yahoo.com

Referees:

Name 1: Prof. James Stirling, Head of Department

Affiliation and Postal Address: Department of Physics, Cavendish Laboratory,
JJ Thomson Avenue, Cambridge, CB3 0HE, UK

Telephone: +44(0) 1223 337429. E-mail: hod@phy.cam.ac.uk

Name 2: Prof. Dr. Kareljan Schoutens, Director

Affiliation and Postal Address: Institute for Theoretical Physics,
Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands

Telephone: +31-20 525 5664. E-mail: C.J.M.Schoutens@uva.nl

Name 3: Prof. Zoltán Szôkefalvi-Nagy, D.Sc.

Affiliation and Postal Address: KFKI Research Institute for Particle and Nuclear Physics of the
Hungarian Academy of Sciences, H-1525, Budapest, P.O. Box 49. Hungary

Telephone: +36-1-392-2741

E-mail: sznagy@rmki.kfki.hu

Name of Nominator: Prof. Dr. Jordan N. Stamenov, Director

Address: INRNE, 72 Tsarigradsko Shosse, 1784 Sofia, Bulgaria

Telephone: +359-2-974-37-61, +359-2-979-5550. Fax: +359-2-975-36-19

E-mail: jstamen@inrne.bas.bg

Attachments:

- (1) Citation (100 words). Statement of the Nominee's major scientific achievements (1 page)
- (2) The Nominee's CV (1 page)
- (3) List of Nominee's most important publications (1 page)
- (4) Citation: Summary of the reasons for making the award (100 words)

Statement of the Nominee's major scientific achievements (100 words)

In his independent research, based on radically new method, Nominee, Dr. Igor S. Makarov, has actually reformed modern physics.

He discovered:

the existence of ether;
the phenomenon of spontaneous generation of mesons and neutrons in ether;
the nature of nuclear interaction;
the nuclear structure of atom and its electromagnetic model;

explained:

the origin of matter and cosmic rays;
the structure of neutron, H-atom and quarks;
the structure of electron;
the nature of neutrino and CMBR;

and calculated:

characteristics of ether;
electromagnetic parameters of atom;
dimensions of particles, radius of electron being about 0.01 fm.

THE LIST OF THE NOMINEE'S MOST IMPORTANT PUBLICATIONS

1. Igor S. Makarov. The Functional Complexity of Linear Systems. *"Transactions of the Research Institute of Radio"* (Moscow), No. 2, 1969.
 2. Igor S. Makarov. Introduction to a Non-formal Theory of Vacuum. *Indian Journal of Theoretical Physics*, No.2, vol. 44, 1996.
 3. Igor S. Makarov. Spontaneous Generation of Neutrons in Vacuum. *Indian Journal of Theoretical Physics*, No.1, vol. 52, 2004.
 4. Igor S. Makarov. The Neutron Becoming the Atom. *Indian Journal of Theoretical Physics*, No.4, vol. 52, 2004.
 5. Igor S. Makarov. Evaluation of the Parameters and Characteristics of Ether. *Indian Journal of Theoretical Physics*, No.4, vol. 53, 2005.
 6. Igor S. Makarov. *A Theory of Ether Generating Matter*. Open University Press. Manchester. UK, 2007.
 7. Igor S. Makarov. *A Theory of Ether, Particles and Atoms*. Open University Press. Manchester. UK, 2007.
 8. Igor S. Makarov. *A Theory of Ether, Particles and Atoms. Second Edition*. Open University Press. Manchester. UK, 2009.
 9. Igor S. Makarov. *A Theory of Ether, Particles and Atoms. Second Edition*. Open University Press. Manchester. UK, 2010. The hard copy of the book (ISBN-13: 9781441478412) may be ordered at www.amazon.com. The research can be seen online and downloaded free at URL: <http://www.keepandshare.com/doc/view.php?id=2520538&da=y> .
Abstract of the research: <http://www.keepandshare.com/doc/view.php?id=3099013&da=y> .
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Curriculum Vitae (1953-2011)
Igor Stepanovich Makarov
(b. 18.08.1935)

1953-1958 Student of the Moscow Institute of Communications. Graduation with honor.

1958-1960 Engineer of the Research Department of the above Institute, the Chair of the Magnetic Recording.

1961-1963 Aspirant of the post-graduate course of the above Institute.

1964 I defend the dissertation, "*Investigation of the Methods of Efficient Digital Magnetic Recording*", and is conferred the degree of *The Candidate of Engineering Sciences* (approximately equivalent to the PhD in Technology).

1964-1976 Senior Researcher at the Research Institute of Radio (Moscow).

I am engaged in R&D of digital relay systems. I develop two projects of highly efficient systems but, because of a kind of mismanagement on the part of administration and the lack of resources, I am deprived of conditions to complete the projects and eventually leave the research department.

1976-1984 Leading Engineer at the Department of Scientific and Engineering Information of the above Institute.

1984-1991 Engineer. Miscellaneous firms dealing with electronic devices.

July 1992 Immigration in Israel.

My Independent Research in Physics

1968-2005 Late in the 60s, independently of my official work, I started my own research in Systems Theory which gradually involved Theoretical Physics and Philosophy and eventually yielded results of fundamental significance for physics.

1996-2006 I travel across Europe (Britain, France, Germany, Austria, Bulgaria), live for two years in Canada, proceeding whenever possible with my research and eventually returning to Israel, with my research significantly developed. I manage to publish several parts of the research in the ***Indian Journal of Theoretical Physics*** (1996-2005, Calcutta).

2006-2008 I live for a year in Britain (Greater Manchester). In July 2007 I print myself two books with my research in physics, "**A Theory of Ether Generating Matter**" and "**A Theory of Ether, Particles and Atoms**", and donate them to academies and libraries of some western countries. In August 2007 I return to Israel. In 2008 I register the whole research at the Copyright Office.

2009 In March 2009 I print privately a hundred copies of the second, corrected edition of the book. In November 2009 I distribute dozens of its hard copies to some universities and institutions the world over, on top of its electronic version sent to some of them before.

2010 I correct the second edition of the book. I set up my own website, The Reform Science Center, www.reformscience.org, with an Archive, organize their work and publish my research online.

2011 I write two articles, "**The Logical Framework of Economics**" and "**The Science of Politics**", and publish them online.

SUMMARY OF THE REASONS FOR MAKING THE AWARD
(100 words)

Dr. Igor S. Makarov's 30-year-long independent research shows that he has discovered radically new method that enabled him to solve almost all most cardinal problems of particle and nuclear astrophysics, from existence of ether and origin of matter to nuclear structure of atom; there were made discoveries thoroughly changing our view of the world, and given explanations to many puzzling experimental facts. The research showed theory of relativity to be simply relativistic method of mathematical physics, not physical theory. Therefore, the research presents major breakthrough in theoretical physics, ending its crisis. For this reason, the Nominee certainly deserves the award.
