

MIKHAIL M. AGREST

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Education

PhD, Institute of Analytical Instrumentation, Russian Academy of Sciences, Physics and Mathematics, 1990.

Thesis: *Flow pore size measuring of ultra- filtration and micro-filtration membranes.*

MS St. Petersburg State University, St. Petersburg, Russia,, Mathematics and Mechanics, 1972.

Thesis: *Influence of the Turbulent boundary layer characteristics on the resolving power of the finite dimensions pressure converter: some comments to the problem*

Professional Experience

2014 - present Adjunct Professor, *Physics*, The Citadel. Charleston, SC

2012 – present Adjunct Professor, TTC Charleston, SC

1995 – 2012 Senior Instructor, *Physics*, College of Charleston

1993 - 1995 Adjunct Instructor, *Physics*, USC at BEAUFORT, SC.

1993 - 1995 Adjunct Instructor, *Mathematics and Physics*, Limestone College.

1993 - 1995 Adjunct Instructor, *Mathematics and Physics* Trident Technical College, Charleston, SC.

1993 - 1994 Visiting Professor, *Physics*, The Citadel.

1991 - 1992 Assistant Professor, *Theoretical Mechanics, Strength of Materials*, St. Petersburg branch of Moscow Publishing Institute,.

1973 - 1990 Senior R&D, Institute of Analytical Instruments, Russian Academy of Sciences, St. Petersburg. Russia

Professional Memberships

American Association of Physics Teachers (AAPT /national/)

/History and Philosophy of Physics Committee member/ .

American Physical Society.

NC Section of American Association of Physics Teachers.

North American Membrane Society.

Sigma Xi Scientific Research Honor Society.

South Atlantic Coast Section of the American Association of Physics Teachers (SACS AAPT).

/President, 2005/

South Carolina Academy of Science (SCAS)/SACS-AAPT Liaison/

South Carolina Science Council.

Biographical Sketch

1949, born in Moscow, Russia.

1969, married Marina, Pianist , son (1970), daughter (1979)

1966-1972, MS St. Petersburg State University, St. Petersburg, Russia,, Mathematics and Mechanics,

1973-1991, Senior Researcher, USSR Academy of Sciences.

1990. PhD in Physics and Mathematics

1992 immigrated to US,

1993-2012, faculty, Physics and Astronomy Department, College of Charleston.

2013 – Retired, Teaching TTC, The Citadel

Languages: English, Russian

Some Pedagogical Publications (exempt from the 120+ Presentations/Publications List)

1. M. Agrest. *Lectures on Introductory Physics I. Revised* 249 pp. with illustrations, Thomson Learning. ISBN 1426625596, 2007.

2. M. Agrest. *Lectures on Introductory Physics II. Revised* 252 pp. with ill. Thomson Learning., ISBN 0-759-39304-4. 2006.

3. Mikhail M. Agrest. *Lectures on General Physics I. (Calculus Based Course)*. Supplemental workbook for recording lecture notes/

257 pp. with illustrations. Brooks/Cole, Thomson Learning. ISBN 0-759-35047-7, 2005

4. Mikhail M. Agrest. *Lectures on General Physics II. (Calculus Based Course)*. 237 pp. with illustrations. Brooks/Cole, Thomson Learning. ISBN 0-759-36060-X, 2005.

5. M. Agrest. *Physics Labs with Flavor*. The Physics Teacher. 47 (5), 297-301, 2009.

<http://scitation.aip.org/getpdf/servlet/GetPDFServlet?filetype=pdf&id=PHTEAH000047000005000297000001&idtype=cvips&bypassSSO=1>

6. M. Agrest. *Physics Labs with Flavor II*. The Physics Teacher, May 2011, Vol. 49, Iss. 5, pp. 295-297.

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