

SURVEY OF PROFESSIONAL SOCIETIES

"Identity Card" – 2014."

1 Name of Professional Society: Mathematical Society "Archimedes". The abbreviated names of society: "Archimedes" and MS "Archimedes".

(To 31.10.2008. title was: Team of young mathematicians "Archimedes").

2 Headquarters (address, tel. / Fax, e-mail): 11000 Beograd, Decanska no. 6

Telephone: 3245-382 and 3245-381, fax 3245-383.

E-mail: arhimed1@eunet.rs • Site: www.arhimedes.rs and www.mislisa.rs

3 Company registration: Decision of the Serbian Business Registers Agency (Registrar associations) no. BU 5783/2010 from 04.06.2010. The "Ahimedes" is entered in the Register of Associations - in accordance with the Law on Associations ("RS Official Gazette" no. 51/09). "Archimedes" was established 01.10.1973.

The Statute established goals and objectives, management and the Company's overall field of work. Operations of the Company by the Steering Committee of 11 members, including university professors, teachers in primary and secondary schools, staff from other institutions.

4 Identification data: MS "Archimedes" is a legal entity.

Identification number 07071337, registration number 01807071337,
activity code 9412, PI B 100,067,193th

Registered for VAT from 01.01.2005.

Account: 205-11047-24 (KB) and 170-766-44 (UKB)

5th Chairman: prof. Dr *Vladimir Jankovic* (Faculty of Mathematics in Belgrade).

The Deputy President: *Dr. Mico Miletic*, a professor VSSS.

Secretary: *Jelena Babic*, a professor ("Svetozar Miletic" in Zemun).

Director (for professional and Property Affairs): *Bogoljub Marinkovic*, prof.

6th Contact person: *Bogoljub Marinkovic*, Professor, mob.tel. 063/248 358-

Authorized persons: Chairman and CEO.

7 Members of the Company:

MS "Archimedes" has two categories of members:

- a) adults (mathematics teachers from schools of all levels and faculty research workers in the field of mathematics and other citizens-math lovers and / or computer science); These members may be regular and honorary;
- b) primary and secondary school students (offspring of the Company).

Members have a membership card.

So far there are about 30,350 members (1,950 adults and 28,400 students and of students nata), not counting the members of the Club "Mislisa". Within one year of active members 800 -1.000. Team "Mislisa" has about 271,500 members.

8 forms of internal organization: subsidiaries, assets, workshops, clubs and other forms of internal organization. May be at a geographic basis (school, municipal, regional), for subject work (computer-ness, history of mathematics, mathematics amusing, etc..), And to the professional qualifications and age (section of teachers, students, etc. section.) Or other combinations thereof. These parts of the Company do not have legal personality. Their work is regulated by *special* instructions issued by the Board of Directors of the Company. The Company has no employees in permanent employment (can not be provided with wage, because there is no permanent source of funding).

9th Industry: MS "Archimedes" is a *professional company specialized in the field of education*, which brings together talented young mathematicians and other lovers Mathematics and Computing various age (students primary and medium Republic of Serbia (mostly in Belgrade). As associates "Archimedes" brings together teachers from primary and secondary schools, and our international

experts from universities and other institutions, primarily enthusiasts. The "Archimedes" expert team has gained an excellent teaching skills in the "Archimedes".

MS "Archimedes" is designed systems work and extensive activities to more sector:

• **Math schools and specialized courses:** Permanent, summer and winter schools for young mathematicians, correspondence schools (with internet varijantom); casual computer courses; "Archimedes" *Olympic groups* and other specialized courses, math section, and Mathematics Lab.

The most important and basic constant "*Archimedes*" school for young mathematicians (ASMM) in Belgrade, which works throughout the school year. Attending a math lovers of I r. PS to IV r. Secondary schools, as well as older preschoolers, and realized *two program*: Program A (standard) for all students of primary and secondary schools, and program B (high-deepened) pupils IV – VIII g. PS and I – IV g.SS. Selection of students is done by the competition at the beginning of each school year - based on their former success and admission test (for program B). For the best high school students (candidates for our national teams at international competitions mathematical point) was organized 17 years ago Special *Olympic groups* (program B) with which to work the entire school year (most of the participants of this group were regular students of the Mathematical High School in Belgrade) . Within ASMM working *groups of olderpreschoolers*, and six years ago working again *A descriptive mathematical school* (which has an internet version).

So far, 40 generations of continuous mathematical school with 27,130 students, 117 summer and winter schools (camps), with 10,430 students, 1,333 students in computer courses, 2,060 students in the math section; 900 students in the mathematical practicum; a total of about 41,850 students, about 65,000 held classes; 6,150 students correspondence schools.

"Archimedes" concept of mathematical school gives very good results. "Archimedes" were successful in all competitions, the competition for entry into the Mathematical High School, as students in all faculties. For example, the *generation of students* at the Faculty of Mathematics in Belgrade during the consecutive 8 – 9 years (until 2010) were the only "Archimedes" once participants "Archimedes" *Olympic Group* (otherwise, the regular students of the Mathematical High School in Belgrade).

Holders of awards id rugih awards in math competitions of all types and levels, including international (Balkanijada, the International Mathematical Olympiad, International Mathematics Tournament of Towns) in a large number of students are "Archimedes" school mathematics. Some examples of extraordinary success at the republic and federal competitions in mathematics for elementary school among the top 15 contestants 10 were from the same class 8th grade "Archimedes" schools (2004); of the top 13 places in the first times. Ssh even 10 went to "Archimedes" from one department "Archimedes" school (2005), a federal SS of the top 10 places for 3-4. edited. "Arhimedesovci" took eight seats (2004)! Most members of our national team for years as "Arhimedesovci" primarily "Archimedes" *Olympic Group* (otherwise, regular students MG) and they are the most successful members of the national teams (always won medals). Let the data speak. At the Balkan Mathematical Olympiad (BMO) for secondary schools in the period 1995 – 2014th "Arhimedesovci" have won 70 of 91 medals (awards) for our country, and in the International Mathematical Olympiad (IMO) in the period 1992 – 2014th from a total of 90 medals for our country, "Arhimedesovci" have won 74 medals, meaning that out of 181 have won 144 medals, ie. 80% of all medals for our country! Longtime "Arhima desovac" *Dusan Dukic* in 1999 won the only gold medal at the IMO for our country (at that time), while in 2008 the IMO gold medalist also "Arhimedesovac" *Luka Milicevic, Teodor von Burg* with 4 gold medals IMO the most successful competitor in the history of mathematics competitions, and the first mathematical steps done in the "Arhimedesovoj" school (preschooler, 1-5. edited. elementary school), and participated in, and later as a student of MG (OG, TG).

For 16 years the Summer Conference (finals) of the International Mathematics Tournament of Towns all "Arhimedesovci" (and they were the majority of participants from Serbia) every year and won a prize.

Many successful "Arhimedes" even before the entry into the Mathematical High School or any other high school years were "Arhimedesovoj" school (some of the first grade of elementary school), and there certainly learned a lot. However, the contribution of "Archimedes" mentioned successes in public is **always hushed** and mostly attributed to the main schools.

Many of the successful "Archimedes" studying or working at prestigious foreign universities and institutes, and some are there and doctorate.

- **Popularizing mathematics and science in general:** popular science surrender-ing, math quizzes and events, gatherings, exhibitions, competitions, promotions, articles in magazines and the media.

Organized 85 scientific and popular lectures and 223 different "mathematical" events (quizzes, exhibitions, gatherings, competitions, etc..) With approximately 25,700 attendees. Particularly noteworthy is the display windows - ba Pedagogical Museum on the 30th anniversary of "Archimedes".

- **Mathematical tournaments and other competitions,** "Archimedes' mathematical-cal tournament - team championships primary and secondary schools in Serbia in mathematics (mathematical olimpijade primary and secondary schools), the International Mathematics Tournament of Towns (in Belgrade), the massive national mathematical competition" Mislisa "(it has a finale) Mailing Mathematical Olympiad (two rounds and finals), Mathematical Olympiad internet (it has a finale).

So far: held **76 math tournament** (40 for primary and 36 for secondary schools): A total of 4,554 teams with 20,683 competitors started and held a new mathematical competition "**Mislisa**" 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013 and 2014 ., with a total of 271,500 participants from primary and secondary schools in Serbia; organized **8 Correspondent Mathematics Olympiad** 2006 – 2014th for ES (14,100 participants); held **4 Internet Mathematical Olympiad** Primary School with 1,780 participants; 1930 composed of tasks for about 169,000 students in other competitions; organized a contest developers of the former Yugoslavia (1988 – 1990), organized the 16 participation of Belgrade on **International Mathematics Tournament of Towns** (610 pupils) including the finale - Summer Conference Tournament towns (77 representatives of **Belgrade**). Otherwise, the Tournament cities every year participates more than 100 cities around the world (about 10,000 students).

- **Training of teachers (professional meetings of teachers):** expert panels (mathematical, computational, Teacher), winter specialized semi-nari teachers (mathematics, computer science, teachers), thematic seminars and practical courses, seminars for teachers-mentors to work with gifted students (During the school year, summer, winter), consultations; collaboration with schools and other organizations at home and abroad. MS "Archimedes" has so far had the most accredited seminar at the Institute for the Advancement of Education and the Ministry of Education, Science and Technological Development (11)

Until now were 1,128 professional meetings: 396 math, 70 teachers and 65 computer stands; 75 Winter specialized seminars, 135 short of thematic seminars and summer seminars (school) teachers (who work with gifted students), as well as about 300 individual lectures and instructions in consultative meetings; a total of 1,990 classes, with over 78,400 attendees teachers. Participants in these meetings are over evaluation requests on other occasions, gave the highest marks to the content and quality of all "Arhimedesovih" seminars and other professional gatherings.

- **Specialized library** (books and magazines, in local and foreign languages), in many ways unique to our area, the only one who is always at the service of students and teachers.

The library fund library: about 26,600 books and 5,550 copies of the magazine.

- **Publishing activity (creation and publishing of handbooks literature):** The Company issued periodic and special technical publications: magazines "mathematical point enjoyer" and "Archimedes" (a lengthy delay in publication, the financial and technical reasons), newsletters, brochures (edition: "Materials for young math-Tičar", "Mathematical discussion" and "Mathematics in

the Serbian people"), exercise books and other publications for students and teachers."Archimedes" is received

license type "B" for the issuance of textbooks.

So far written and published 375 titles of various publications in circulation over 2.44 million copies; For example, in a specialized edition "of the materials for young mathematics Care" was published 170 titles (thematic brochures). "Archimedes" has the largest selection of handy mathematical literature for math lovers of all ages.

- **Other** (Information and Documentation, administratively and accounting, technical, etc.).

Hundreds of thousands of documents, including a comprehensive written, photo and video technical and other documentation, as well as two sites on Internet.

10 Method of Financing: membership fees and other contributions of (voluntary adverbs), participation (lack of) of the Ministry of Education to maintain mathematical competitions, fees for services, registration fees, subscriptions, and sales of publications, gifts, other income in accordance with the Act.

Note that during the first 20 years of operation (1973 – 1993) "Archimedes 'concept' fees did not exist and participate in all the activities were free. Today, most business associates "Archimedes" is also performing volunteer (no charge).

11 Foundation of the company: The company has a *fund for young mathematicians (FMM)*, but now it has no assets. Funds form of grants and other contributions to the Fund.

12 Note: The former name of *Young Mathematicians Club "Archimedes"* (until 2008), is not saying much. It was to be understood in a broad sense, as "Archimedes" was now a lot more than some sort of club, to the manifold activities, and the results he achieved in promoting and actual work on the mathematics education of young people and the professional work of teachers."Archimedes" is in many ways a unique institution. It was his and extraordinary "mathematical house", the largest center for lovers of mathematics in our (youth and adult) and throughout the year. Some of the activities is the first in Serbia initiated and successfully developed the "Archimedes", and later served as a model for others. "Archimedes" cooperates with schools, scientific and other organizations at home and abroad.

"Archimedes" has been **St. Sava Award** of the Ministry of education in 2008.

Belgrade, 31.08.2014.

This review is renewed annually, at the end of each school year.
"Archimedes"



Authorized person:

Bogoljub Marinković, prof.

"ARCHIMEDES" – 41 YEAR