

SOCIETY OF ASTRONOMERS OF SERBIA 2008-2011

MILAN S. DIMITRIJEVIĆ

Astronomical Observatory, Volgina 7, 11060 Belgrade, Serbia
E-mail: mdimitrijevic@aob.bg.ac.rs

Abstract: The review of activities of the Society of Astronomers of Serbia within the period 2008-2011 is presented.

1. INTRODUCTION

Society of astronomers of Serbia (SAS) is founded on 25. 02. 1981, and author of this contribution was elected for president on Assembly held in October 2008. Activities of the Society from October 2008 up to the end of 2011 are:

- International Year of Astronomy 2009;
- Olympiads in astronomy;
- Mobile planetarium and project "Popularization of astronomy in educational and cultural institutions and schools";
- Scientific meetings organized by DAS;
- Publishing activity of SAS;
- Foreign scientists – guests of Society of Astronomers of Serbia;
- Links with the European Astronomical Society;
- Links with the International Astronomical Union;

2. INTERNATIONAL YEAR OF ASTRONOMY 2009

On the proposition of UNESCO, in December 2007, the United Nations General Assembly adopted a resolution, that 2009 was declared the International Year of Astronomy, in order to mark the anniversary of the start of the telescopic era, the 400th anniversary of the first astronomical observation through a telescope made by Galileo Galilei.

IYA 2009 was a global celebration of astronomy and its contributions to society and culture, with the following objectives:

- Popularization of astronomy and related sciences;

Strengthening of the astronomical communities and of the international cooperation;

Astronomical education (formal and informal);

Promotion of the importance and attraction of the scientific work;

Strengthening of amateur community and improvement of the cooperation of amateurs and professionals;

Preservation and protection of world cultural and natural heritage of dark skies and historical astronomical sites.

Preparations for the marking of IYA in Serbia began in 2007, and since September 2008 until the end of IYA, national coordinator and president of the National Organizing Committee for the marking of IYA in Serbia was Nikola Božić. Beside him, from October 2008 (after the Assembly of the Society of Astronomers of Serbia), other members of the National Organizing Committee (NOC of IYA) are Ištvan Vince, Predrag Jovanović, Nadežda Pejović, Slobodan Ninković, Milan Dimitrijević, Dejan Urošević, Zoran Knežević, Nataša Stanić and Aleksandar Bogojević. Ministry of Science and Technological Development approved to SAS 600 000 RSD for projects for marking IYA 2009 in Serbia. With these funds disposed NOC of IYA and Nikola Božić reported to Directional Board of SAS on NOC of IYA activities. In celebration of IYA in Serbia, besides SAS, and all other astronomical institutions and society of amateur astronomers took part.

Coordinators of global projects were:

100 Hours of Astronomy - Janko Mravik;

Galileoscops - Goran Pavičić;

Cosmic Diary - Milan Ćirković;

Gates of the Universe - Aleksandar Zorkić;

She is an astronomer - Tijana Prodanović;

Conscience on dark sky - Nikola Božić;

Astronomical Heritage - Zorica Cvetković;

Galilean Ambassadors - Slobodan Ninković;

Conscience on the Universe - Nataša Stanić;

The universe as seen by eyes of Earth - Dragana Ilić;

Global development of astronomy - Olga Atanacković.

The most important activities realized during International Year of Astronomy, ordered chronologically, are:

Student's seminar "Architecture in Space", Research Station Petnica, January;

Series of lectures "The universe yours to discover" Kolarac Foundation, January / February:

Milutin Milanković - Canon of insolation, Zoran Knežević;

Great astronomical discoveries from Galileo until now, Nikola Božić;

- Galileo Galilei - the beginning of modern astronomy*, Milan Ćirković;
Radio Astronomy, Dr Jelena Milogradov-Turin;
 Ceremony of the proclamation of IYA in Serbia, Faculty of Science, February;
 Publishing of a brochure dedicated to IYA, March;
 Public telescopic observations in, at least, around fifteen cities throughout the year;
 The popular lectures, in at least two dozen cities throughout the year;
 Workshops for preschoolers, 7 Children's Theatre Festival "Zvezdarište", Municipality of Zvezdara, April;
 Program for preschool and primary school children, Children's Fair, Belgrade Fair, April;
 Participation at the manifestation "Night of Museums", Faculty of Science, AS "R. Bošković", Belgrade, May;
 Organization of participation in the international competition "Be astronomer of the Integral", May-June;
 Participation in the realization of the international photo competition "Earth and Sky", Summer; Media activity in *Politika, Novosti, Blic, 24 sata, Borba*, B92, RTS, Radio Beograd, Radio 021, *Prosvetni pregled, Vreme, Mikro, Playboy, Planeta, Astronomija, Glas javnosti, National Geography*, RTV, Pink, E-newspapers...;
 The third workshop of students of astronomy, Faculty of Science, June;
 Seventh Serbian Conference on spectral line shapes in astrophysics, Zrenjanin 15-19. June;
 Lecture for prisoners in the Prison for Juveniles in Valjevo, June;
 International Astronomical camp "Letenka" Fruška Gora, with more than 220 astronomers from around the region. The central activity of IYA in Serbia, July;
 International cooperation with countries of the region, but also with distant Ethiopia, the whole year;
 Public discussion of the phenomenon of concealment during the total solar eclipse, ten years later, in August;
 The projection of the popular science television series of Milan S. Dimitrijević, the Cinematheque, Autumn (organized by Andjelka Kovačević);
 Projections of science fiction films in the Cinematheque, Autumn (organized Andelka Kovačević);
 Exhibition dedicated to the cooperation between Serbia and France in the field of astronomy, the French Cultural Center, September;
 Astronomy and the arts, debates, exhibition of paintings and installations, Belgrade City Library, Youth Center, September;
 Series of lectures "In honor to Milanković", AS "R. Bošković", in September:
 Milan S. Dimitrijević: *Milanković and astronomy*;
 Jelena Milogradov-Turin: *How we repaid to Milutin Milanković*;
 Goran Pavičić: *On the Life and Work of Milutin Milanković*;
 Nataša Stanić: *Milanković as a popularizer of science: "Through Space and Centuries"*.

VI SREAC conference of professional astronomers with the participation of amateur astronomers, under the auspices of UNESCO, the Ministry of Science and Astronomical Observatory of Belgrade, September;

The cycle of lectures on "Women in Astronomy" in Kolarac Foundation, October:

Dragana Ilić: *The Astronomical Instruments – The Sky seen by the eyes of women*;

Olga Atanacković: *Women at Harvard - through Light to the Stars*;

Andjelka Kovačević: *The Stars of Miss Leavitt*;

Tijana Prodanović: *The missing Space - The story of Vera Rubin*;

Exhibition of astronomical photographs, within the frame of the project "From the Earth to the Universe," Education Fair and Book Fair, Belgrade Fair, October;

Art competition for children on topics in astronomy, during whole year;

Conference of Secondary school pupils - participants in programs of Research station "Petnica", "A Step into Science," November;

Astronomical exhibition and an exhibition of astronomical photos on the III Festival of Science, December;

The competition for primary school children for essays in connection with astronomy. The ceremony of handling the prizes on Belgrade Astronomical Observatory in cooperation with "Mladinska knjiga", December;

Encouragement of cooperation among amateur societies and professionals with them, during the whole year;

Seminars for teachers of physics, about astronomy, AD "R. Bošković ", autumn;

Encouragement and training for the establishment of school sections in Serbia, RS "Petnica", during the whole year;

To obtain a donation of 100 galileoscopes for schools in Serbia, December;

The start of the formation of the Museum of Astronomy at Belgrade Astronomical Observatory. the whole year, Vojislav Protić Benišek;

Purchase of a mobile planetarium, with the financial support of UNESCO, in December. The idea and project Nataša Stanić, about the practical realization the most is done by Goran Pavičić.

3. OLYMPIADS IN ASTRONOMY

Competitors from Serbia in this period took part in the following international Olympiads covering astronomy and astrophysics:

XIII International Astronomical Olympiad (International Astronomy Olympiad), Trieste, 13-21 October 2008, eight competitors, three over the quota (the success of the previous year), two seniors, three juniors, team leaders were Ratomirka Miller and Slobodan Ninković; silver medals obtained Nataša Dragović and Filip Živanović, bronze Milena Milošević, Aleksandar Miladinović and Dušan Joksimović.

III International Olympiad on Astronomy and Astrophysics (International Olympiad on Astronomy and Astrophysics) Teheran, 17-26 October 2009, four competitors, team leaders were Slobodan Ninković and Ivan Milić, silver medalists Aleksandar Vasiljković, Nataša Dragović and Filip Živanović, Milena Milošević commended, and Filip Živanović as the best observer received a special award and gift (lap-top) from the organizers.

XIV International Astronomical Olympiad, Hangzhou, 8-16 November 2009, the four contestants, two seniors and two juniors, team leaders were Ratomirka Miller and Slobodan Ninković, bronze medalist Ognjen Marković.

IV International Olympiad on Astronomy and Astrophysics, Beijing, 12-21 September 2010, five competitors, team leaders were Sonja Vidojević and Slobodan Ninković, Aleksandar Vasiljković won the gold medal, Ognjen Marković and Filip Živanović silver, and bronze Stefan Andjelković. Milena Milošević was commended.

XV International Astronomical Olympiad, Sudak in the Crimea, 16-24 of October 2010, five competitors, two seniors and three juniors, team leaders were Slobodan Ninković and Ivan Milić; Ivan Tanasijević won gold, silver Luka Bojović, and bronze Stefan Badža and Djordje Žikelić.

V International Olympiad in astronomy and astrophysics, Katowice, from 25 August to 4 September 2011, five competitors, team leaders Slobodan Ninković and Aleksandar Vasiljković; Stefan Andjelković and Ognjen Marković won the silver medal, bronze Filip Živanović, and Stefan Badža was commended.

XVI International Astronomical Olympiad, Alma-Ata, 22-30 September 2011, the five contestants, two over quota, two senior and one junior, team leaders Nikola Božić and Ivan Milić. The success was the following: Aleksandar Miladinović, Dušan Šobot and Ivan Tanasijević won the bronze medals.

In the period 2008-2011, Society of Astronomers of Serbia took part in eight Olympiads in astronomy, in which participants from Serbia won two gold medals, ten silver and eleven bronze medals, three participants were commended and one received a special award.

Team leaders were: Slobodan Ninković seven times, Ivan Milić three, Ratomirka Miller two and by once Sonja Vidojević, Aleksandar Vasiljković and Nikola Božić.

4. PROJECT "POPULARIZATION OF ASTRONOMY IN EDUCATIONAL AND CULTURAL INSTITUTIONS AND SCHOOLS"

For popularization of astronomy using a mobile planetarium, SAS was applied at the Ministry of Science and Technological Development with the project "Popularization of astronomy in educational and cultural institutions and schools", and for 2010 as well as for 2011 received 300 000 RSD for each year. Program activities are primarily designed to popularize astronomy in the towns in the interior of Serbia and the Republic Srpska. To this end, the lecturers with the mobile planetarium, obtained in 2009 thanks to the donation of UNESCO, visited

particular towns, organizing a day of astronomy, in order to acquaint students, educators and concerned citizens with the phenomena and objects in the night sky and the results and achievements in this science.

Activities achieved during the realization of project in 2010 year are shown here in tables.

<i>Date</i>	<i>Lecture and Place</i>	<i>Attendies</i>	<i>Lecturer</i>
08/04/10	Electromagnetic spectrum and objects which we observe – Kragujevac	50	Luka Č. Popović
08/04/10	The secret of big silence of cosmic civilisations – Kragujevac	50	Milan S. Dimitrijević
08/04/10	Planetarium projection (mobile planetarium) – Kragujevac	120	Goran Pavičić
15/04/11	The secret of big silence of cosmic civilisations - Dobož	50	Milan S. Dimitrijević
15/04/10	Planetarium projection (mobile planetarium) – Dobož	180	Goran Pavičić
16/04/10	Planetarium projection (mobile planetarium) – Banja Luka	240	Goran Pavičić
16/04/10	The secret of big silence of cosmic civilisations - Banja Luka	50	Milan S. Dimitrijević
17/04/10	Planetarium projection (mobile planetarium) – Banja Luka	120	Goran Pavičić
28/04/10	Electromagnetic spectrum and objects which we observe – Vršac	60	Luka Č. Popović
28/04/10	The secret of big silence of cosmic civilisations – Vršac	60	Milan S. Dimitrijević
28/04/10	Planetarium projection (mobile planetarium) – Vršac	180	Goran Pavičić
15/05/2010	Planetarium projection (mobile planetarium)- Avio Museum – Belgrade	690	N. Trajković, A. Zlatanović, N. Radovanović, S. Maćušev
22/05/2010	Planetarium projection (mobile planetarium) – Novi Sad	690	A. Brajović, K. Savić, K. Kaćanski, Goran Pavičić
23/05/2010	Planetarium projection (mobile planetarium) – Novi Sad	690	A. Brajović, K. Savić, K. Kaćanski, Goran Pavičić

26/05/2010	Planetarium projection (mobile planetarium) – Kikinda	180	Goran Pavičić
26/05/2010	Electromagnetic spectrum and objects which we observe – Kikinda	60	Luka Č. Popović
26/05/2010	Astronomy of XXI century – Kikinda	60	Milan S. Dimitrijević
26/05/10	Milutin Milanković - Novi Bečej	60	Petar Vuča
17/09/10	Planetarium projection (mobile planetarium)- Secondary school, Zrenjanin	150	Goran Pavičić
18/09/10	Planetarium projection (mobile planetarium)- Primary school „2 October”, Zrenjanin	150	Goran Pavičić
24/09/10	Planetarium projection (mobile planetarium) – Night of researchers, Novi Sad	600	Kristina Kačanski, Goran Pavičić
27/09/10	Planetarium projection (mobile planetarium), Secondary school „Svetozar Marković“, Niš	300	Goran Pavičić
27/09/10	The secret of big silence of cosmic civilisations – where are they?, Faculty of Sciences, Niš	40	Milan S. Dimitrijević
28/09/10	Mobile planetarium – Secondary school, Prokuplje	210	Goran Pavičić
28/09/10	The secret of big silence of cosmic civilisations – where are they?, Secondary school, Prokuplje	40	Milan S. Dimitrijević
09/10/10	The secret of big silence of cosmic civilisations - „Days of Eureka” – Kruševac	60	Milan S. Dimitrijević
09/10/10	„Miraculous astrophysical objects” - „Days of Eureka” – Kruševac	60	Luka Č. Popović
09/10/10	Mobile planetarium - „Days of Eureka” – Kruševac	180	Goran Pavičić
26/10/10	Mobile planetarium - „Fair ZVONCE” - Belgrade	120	A. Brajović, N. Popović, Goran Pavičić
27/10/10	Mobile planetarium - „Fair ZVONCE” - Belgrade	120	A. Brajović, N. Popović, Goran Pavičić

28/10/10	Mobile planetarium - „Fair ZVONCE” - Belgrade	120	A. Brajović, N. Popović, Goran Pavičić
29/10/10	Mobile planetarium - „Fair ZVONCE” - Belgrade	120	A. Brajović, N. Popović, Goran Pavičić
30/10/10	Mobile planetarium - „Fair ZVONCE” - Belgrade	120	A. Brajović, N. Popović, Goran Pavičić
10/11/10	Mobile planetarium – Novi Bečej	120	Goran Pavičić
11/11/10	The secret of big silence of cosmic civilisations – Novi Bečej	60	Milan S. Dimitrijević
11/11/10	Milutin Milanković - Novi Bečej	60	Petar Vuca
12/11/10	Mobile planetarium – Novo Miloševo	120	Goran Pavičić
12/11/10	Mobile planetarium – Novi Kneževac	120	Goran Pavičić
13/11/10	The secret of big silence of cosmic civilisations - Novi Kneževac	60	Milan S. Dimitrijević
13/11/10	Milutin Milanković - Novi Kneževac	60	Petar Vuca
03/12/10	Mobile planetarium, Festival of Science - Belgrade	810	A. Brajović, N. Grubač, F. Čolaković, Goran Pavičić
04/12/10	Mobile planetarium, Festival of Science - Belgrade	810	A. Brajović, N. Grubač, F. Čolaković, Goran Pavičić
05/12/10	Mobile planetarium, Festival of Science - Belgrade	810	A. Brajović, N. Grubač, F. Čolaković, Goran Pavičić
27/12/10	Mobile planetarium, Secondary school - Smederevo	120	Goran Pavičić

To the above listed activities 9250 listeners were present in 2010. On total of 19 lectures were 960 listeners, and 276 planetarium projections with lectures, were attended by 8290 listeners (since in a planetarium projection the number of

listeners is limited to 30, the total number of listeners during the day is shown in the table).

Such "Days of Astronomy" were organized during 2010 in Kragujevac, Doboj, Banja Luka, Vršac, Belgrade, Novi Sad, Kikinda, Zrenjanin, Niš, Prokuplje, Kruševac, Novi Bečej, Novo Miloševo and Novi Kneževac.

Under the program, to schools in Kragujevac, Doboj, Banja Luka, Vršac, Kikinda, Niš, Prokuplje, Kruševac, Novi Bečej, Novo Miloševo and Novi Kneževac, Galileoscops, purchased during IYA with the assistance of the Ministry, were donated.

In the realization of the project were involved Goran Pavičić, Milan S. Dimitrijević, Luka Č. Popović, Darko Jevremović, Petar Vuca, Nenad Trajković, Ana Zlatanović, Nataša Radovanović, Slavica Maćušev, Ana Brajović, Kristina Savić, Kristina Kaćanski, Natalija Popović, Nevena Grubač, and Filip Čolaković.

In 2011, "Days of Astronomy" are organized in Niš, Pančevo, Smederevska Palanka, Leskovac, Rusko Selo, Banatsko Karadjordjevo, Novi Sad, Gradiška, Banja Luka, Modriča, Trebinje, Sutjeska, Subotica, Sečanj, Kruševac, Vršac, Belgrade and Kučevo.

- др Лука Ч. Поповић
 - др Милан С. Димитријевић
 „ТАЈНА ВЕЛИКОГ БУТАЊА
 ВАНЗЕМАЉСКИХ ЦИВИЛИЗАЦИЈА“
 (16.04. од 16 часова у Дому омладине)

БАЊА ЛУКА
ДОМ ОМЛАДИНЕ
16. и 17.04.2010.
од 9 часова

ДОБОЈ
ГИМНАЗИЈА
15.04.2010.
од 10 часова

УЛАЗ БЕСПЛАТАН

Figure 1: Poster for the lectures in Doboj and Banja Luka.



Figure 2: Dobrivoje Grčak, director of the Secondary school in Kruševac and Milan S. Dimitrijević with Acknowledgement. In front of him, books that he donated to the Secondary school, Kruševac 9. 10. 2010.

Activities on the Project realized during 2011 are presented in the table below.

<i>Date</i>	<i>Lecture and Place</i>	<i>Attendies</i>	<i>Lecturer</i>
25/02/11	Mobile planetarium – Niš	240	Goran Pavičić
26/02/11	Mobile planetarium – Niš	300	Goran Pavičić
26/02/11	Astronomy of XXI century – Niš	60	Milan S. Dimitrijević
16/03/11	Mobile planetarium – Pančevo	180	Goran Pavičić
16/03/11	Astronomy of XXI century – Pančevo	43	Milan S. Dimitrijević
24/03/11	Mobile planetarium – Smederevska Palanka	180	Goran Pavičić
24/03/11	Astronomy of XXI century – Smederevska Palanka	35	Milan S. Dimitrijević
16/04/11	Mobile planetarium – Leskovac	150	Goran Pavičić
16/04/11	Astronomy of XXI century - Leskovac	60	Milan S. Dimitrijević

SOCIETY OF ASTRONOMERS OF SERBIA 2008-2011

17/04/11	Mobile planetarium - Leskovac	150	Goran Pavičić
05/05/11	Mobile planetarium – Rusko Selo	60	Goran Pavičić
05/05/11	Astronomy of XXI century – Rusko Selo	60	Milan S. Dimitrijević
05/05/11	Milutin Milanković – Rusko Selo	60	Petar Vuca
06/05/11	Mobile planetarium – Banatsko Karadjordjevo	120	Goran Pavičić
06/05/11	Astronomy of XXI century – Banatsko Karadjordjevo	120	Milan S. Dimitrijević
06/05/11	Milutin Milanković – Banatsko Karadjordjevo	120	Petar Vuca
07/05/11	Mobile planetarium – Novi Sad	240	Goran Pavičić, K. Savić, N. Grubač, R. Džudžar
08/05/11	Mobile planetarium – Novi Sad	240	Goran Pavičić, K. Savić, N. Grubač, R. Džudžar
23/08/11	Mobile planetarium – Kragujevac	120	Goran Pavičić
19/09/11	Mobile planetarium – Gradiška	240	Goran Pavičić
19/09/11	The secret of big silence of cosmic civilisations – where are they? – Gradiška	75	Milan S. Dimitrijević
20/09/11	Mobile planetarium – Banja Luka	180	Goran Pavičić
20/09/11	The secret of big silence of cosmic civilisations – where are they? – Banja Luka	50	Milan S. Dimitrijević
21/09/11	Mobile planetarium – Modriča	180	Goran Pavičić
23/09/11	Mobile planetarium – Subotica	180	Ana Brajović, Nevena Grubač
29/09/11	Astronomy of XXI century – Sečanj	60	Milan S. Dimitrijević
29/09/11	Milutin Milanković – Sečanj	60	Petar Vuca
30/09/11	Astronomy of XXI century – Sutjeska	60	Milan S. Dimitrijević
30/09/11	Milutin Milanković – Sutjeska	60	Petar Vuca

06/10/11	Mobile planetarium – Trebinje	300	Goran Pavičić
06/10/11	Astronomy of XXI century – Trebinje	50	Milan S. Dimitrijević
07/10/11	Mobile planetarium – Trebinje	300	Goran Pavičić
15/10/11	Astronomy of XXI century – Kruševac	80	Milan S. Dimitrijević
15/10/11	Dark matter and Dark energy – Kruševac	80	Slobodan Ninković
15/10/11	A journey across the Space – Kruševac	80	Luka Č. Popović
15/10/11	Mobile planetarium – Kruševac	240	Ana Brajović, Nevena Grubač
28/10/11	Astronomical theory of climatic changes – Vršac	20	Milan S. Dimitrijević
23-30/10/11	Mobile planetarium – Fair of education „ZVONCE”, Belgrade	1700	N. Radovanović, Lj. Isaković, Goran Pavičić
08/11/2011	Mobile planetarium – Kučevo	150	Nevena Grubač, Goran Pavičić
2-4/12/11	Mobile planetarium – Festival of Science, Belgrade	2000	N. Grubač, N. Radovanović, Goran Pavičić

To the above listed activities 8638 listeners were present in 2011. On total of 19 lectures were 1233 listeners, and 249 planetarium projections with lectures, were attended by 7405 listeners.

In the realization of the project were involved Goran Pavičić, Milan S. Dimitrijević, Luka Č. Popović, Darko Jevremović, Petar Vuca, Slobodan Ninković, Nataša Radovanović, Ana Brajović, Kristina Savić, Nevena Grubač, Robert Džudžar and Ljubisa Isaković.

ГЛАС СРПСКЕ сриједа, 21. септембар 2011. 23

ПОМУ

Ово је "Гласу Српске коње - казала је Мирко
изјавила директор овог вићева. А. П.

Одушевљење планетаријумом



Вићена симулација ноћног неба

ФОТО: С. ЈОКИЋ

Универзитетско астрономско друштво Бањалука већ другу годину заредом уз помоћ београдског астрономског друштва "Руђер Бошковић" довело је мобилни планетаријум помоћу кога су бројни Бањалучани имали прилику да на едукативан начин виде симулацију ноћног неба.

Рекао је ово послије јучерашњег предавања члан бањалучког астрономског друштва Немања Ракић.

- Реализацију овог пројекта подржали су Министарство науке и технологије РС те бројни искусни предавачи из ове области који су корисним информацијама овај необични догађај учинили још интересантнијим. Оно на што смо посебно поносни је предавање професора Милана С. Димитријевића који важи за велико име у астрономији - додао је Ракић. С. Ј.

Figure 3: Article in „Glas Srpske“.



Figure 4: Mobile planetarium. Trebinje 6. 10. 2011.



Figure 5: Trebinje 6. 10. 2011. Lecture of Milan S. Dimitrijević.



Figure 6: Trebinje. Luka Č. Popović and Milan S. Dimitrijević in Church Library with the donated books.

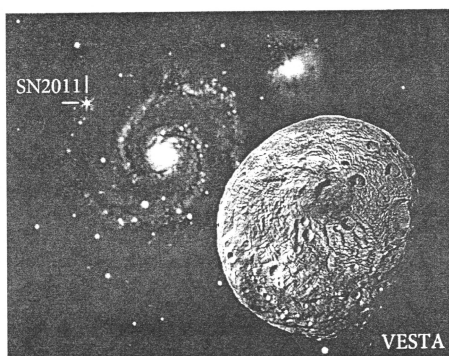


Figure 7: Kruševac „Day of Eureka“ 15th of October 2011.
First row: Milan S. Dimitrijević, Luka Č. Popović, Dobrivoje Grčak,
Slobodan Ninković, Danica Milićević.

Природњачко друштво
ГЕА

11. ВРШАЧКИ АСТРОНОМСКИ СУСРЕТ

Преглед актуелних открића у астрономији



Вршац
28 и 29. октобар 2011. год.
Сала Дома омладине Вршац

11. ВРШАЧКИ АСТРОНОМСКИ СУСРЕТ

Сала Дома омладине Вршац

ПРОГРАМ:

ПЕТАК 28. октобар

- 16.00 - Свечано отварање
- 16.10 - Милутин Миланковић - Астрономска теорија климатских промена
предавач: Др Милан Димитријевић
- 17.10 - Супернове - експлозије звезда
Супернова 2011
предавач: Александар Оташевић
- 18.10 - Најновија открића екстрасоларних планета орбиталним телескопима Кеплер и Корот
предавач: Срђан Ђукић
- 19.10 - 50 година од првог лета човека у космос - Гагаринов поухват
предавач: Драган Лазаревић

СУБОТА 29. октобар

- 17.00 - Шта нам откривају радиотелескопи
предавач: Дарко Донеvски
- 18.00 - Космичке кише
предавач: Јован Алексић
- 18.30 - Актуелности у истраживању Сунчевог система међупланетарним сондама
предавач: Срђан Пењивраг
- 19.30 - Први кораци човечанства у космосу
предавач: Драган Лазаревић

Покровитељи:
Центар за промоцију науке
Скупштина општине Вршац
Дом омладине Вршац

Могуће су мање измене у програму предавања

Figure 8: Astronomical Meetings of Vršac.

5. SCIENTIFIC CONFERENCES ORGANIZED BY SAS

Within the considered period, SAS has expanded its activities and on scientific meetings and for the first time organized two scientific conferences.

First is 1st Workshop "Spectroscopy as a tool to investigate Active Galactic Nuclei and gravitational lenses," Hotel "Kantri club", Babe, Kosmaj, Serbia, 7-11.07. 2010. The meeting was conceived as a workshop, so in the morning were lectures (during the Meeting in total eight lectures), and in the afternoon, participants worked in groups on specific topics or mini projects.

The main conclusions of the meeting are that such work, where three to six researchers are grouped around a well defined topics, enable a quality work. Two papers were finished on the workshop and sent in the days that followed to the leading journals, and seven future papers were considered in different forms.

Second was I Workshop on Astrophysical Spectroscopy, Vila "Alexander", Orašac, 26-30. August 2011, organized by the same principle as the previous one.

In addition, SAS was co-organizer of international conferences VII Serbian Conference on Spectral Line Shapes in Astrophysics, Zrenjanin, 15-19. June 2009 and VIII Serbian Conference on Spectral Line Shapes in Astrophysics, Divčibare, 6-10. Jun 2011, as well as of the National Conference with international participation "Development of astronomy among Serbs V", Belgrade, 18-22 April 2008.

6. PUBLISHING ACTIVITY

Within the considered period, SAS for the first time started and with the publishing activity. Published were a brochure on the International Year of Astronomy, Proceedings of the Sixth Serbian-Bulgarian Astronomical Conference (with the Astronomical Society "Rudjer Bošković"), Book of Abstracts of the Seventh Serbian Conference on Spectral Line Shapes in Astrophysics and four electronic optical DVD discs (two were published together with the Astronomical observatory and one with the Astronomical Society "Rudjer Bošković").

Published bibliographic units are:

1. INTERNATIONAL YEAR OF ASTRONOMY (IN SERBIAN)
2. PROCEEDINGS OF THE 6TH SERBIAN-BULGARIAN ASTRONOMICAL CONFERENCE, Belgrade 7-11 May 2008, eds. M. S. Dimitrijević, M. Tsvetkov, L. Č. Popović, V. Golev, Publ. Astron. Soc. »Rudjer Bošković«, No. 9.
3. VII SERBIAN CONFERENCE ON SPECTRAL LINE SHAPES IN ASTROPHYSICS (VII SCSLSA), Zrenjanin 15-19 June 2009, Book of abstracts, eds. L. Č. Popović, M. S. Dimitrijević, D. Jevremović, D. Ilić, Serbian Astronomical Society and Astronomical Observatory, Belgrade 2009.
4. ABSTRACTS, PROGRAM AND PHOTOS [Electronic Source], 7th Serbian Conference on Spectral Line Shapes in Astrophysics, June 15-19, 2009, Zrenjanin, Serbia; eds. Luka Č. Popović, M. S. Dimitrijević, D. Jevremović, D. Ilić, Organized by Serbian Astronomical Society and Astronomical Observatory, Belgrade. DVD prepared by Milan S. Dimitrijević, Miodrag Dačić and Tatjana Milovanov - Belgrade: Serbian Astronomical Society: Astronomical Observatory, 2009 (Beograd: Astronomical Observatory). - 1. Electronic optical disk (DVD).
5. PROCEEDINGS, PHOTOS AND VIDEOS [Electronic Source], The 5th Bulgarian-Serbian Conference on Astronomy and Space Science, May 9-12, 2006, Sofia, Bulgaria, edited by M. K. Tsvetkov, L. Filipov, M. S. Dimitrijević, L. Č. Popović, organized by the Space Research Institute of the Bulgarian Academy of Sciences. DVD prepared by Milan S. Dimitrijević and Tatjana Milovanov - Belgrade: Serbian Astronomical Society: Astronomical Observatory, 2009 (Belgrade: Astronomical Observatory). - 1. Electronic optical disk (DVD).
6. DEVELOPMENT OF ASTRONOMY AMONG SERBS V, Belgrade 18-22. April 2008. [Electronic source], editor Milan S. Dimitrijević, organizer

Astronomical Society "Rudjer Bošković", disk prepared by Milan S. Dimitrijević and Tatjana Milovanov, - Belgrade: Astronomical Society "Rudjer Bošković", Society of Astronomers of Serbia 2009 (Belgrade: Astronomical Society "Rudjer Bošković") - 1 electronic optical disc (DVD).

7. ABSTRACTS, PRESENTATIONS AND PHOTOS [Electronic Source], 1st Workshop "Spectroscopy as a Tool to Investigate Active Galactic Nuclei and Gravitational Lenses", Kosmaj, Babe, July 7-11, 2010; eds. Milan S. Dimitrijević, Luka Č. Popović and Miodrag Dačić, Organized by Serbian Astronomical Society and Astronomical Observatory, Belgrade. DVD prepared by Milan S. Dimitrijević, Miodrag Dačić and Tatjana Milovanov - Belgrade: Astronomical Observatory: Serbian Astronomical Society, 2009 (Beograd: Astronomical Observatory). - 1. Electronic optical disk (DVD).

7. FOREIGN SCIENTISTS – GUESTS OF SOCIETY OF ASTRONOMERS OF SERBIA

For the first time in its history the Society had within the considered period twelve stays of foreign guests, which opened up the possibility for another type of activities and applications to competitions at the Ministry of Education and Science. Guests Scientists from abroad who stayed in Serbia as guests of SAS were:

Magdalena Christova, Bulgaria,
Giovanni La Mura, Italy,
Martin Gaskel, USA,
Piero Rafanelli, Italy,
Ala Shapovalova, Russia,
Aleksandr F. Zakharov, Russia,
Jonathan Francisco Leon Tavares, Finland,
Eduardo Guerras Valera, Spain,
Nebil Ben Nesib, Tunisia.

They were the guests of the Conference *1st Workshop on "Spectroscopy as a tool to investigate Active Galactic Nuclei and gravitational lenses"*, Hotel Kantri club, Babe, Kosmaj, Serbia, 7-11.07.2010. At the meeting *I Workshop on astrophysical spectroscopy*, Orašac, 26-30.08.2011, SAS guests were:

Magdalena Christova, Bulgaria,
Giovanni La Mura, Italy,
Jacopo Fritz, Belgium.

8. OTHER ACTIVITIES

8.1. Links with the European Astronomical Society

Directional Board of SAS regularly collected and paid annual dues for the European Astronomical Society, for those members who wanted to.

Milan S. Dimitrijević and Andjelka Kovačević participated in all meetings of the bodies of the European Astronomical Society and its assembly on JENAM 2009 "European Week of Astronomy and Space Science" in Hatfield, near London, 20-23 April 2009, as representatives of the Society of Astronomers of Serbia, and Dimitrijević and as a Councilor of the European Astronomical Society.

On JENAM 2011 in St. Petersburg, the official representative of the SAS in the EAS was Vojislava Protić Benišek.

8.2. Links with the International Astronomical Union

Links with the International Astronomical Union (IAU) were held from one side through the National Committee for Astronomy, whose president within the period considered was Ištvan Vince, and from the other side the SAS paid the membership fee of Republic of Serbia to IAU.

9. CONCLUSION

We can conclude that in the period since 2008 up to 2011. Society of Astronomers of Serbia successfully participated in activities related to International Year of Astronomy, organized preparation and participation of our competitors at eight international Olympiads in astronomy, where they won two gold medals, ten silver and eight bronze. The Society has purchased portable planetarium and the Ministry accepted its project "Popularization of astronomy in educational and cultural institutions and schools". During its realization a series of popular lectures and planetarium projections were organized in different places in Serbia and Republic Srpska. Only in 2010, to the activities covered by this project, within which was organized "Astronomy Day" in different places, attended 9250 listeners. On that occasion, to schools have been donated Galileoscopes, purchased in 2009th. The Society expanded its activities and to the organization of scientific conferences, publishing and inviting scientists from abroad, and also maintained and developed links with the European Astronomical Society and the International Astronomical Union.

References

Božić, Nikola: 2010, *International Year of Astronomy 2009 in Serbia*, Proceedings of the conference "Development of astronomy among Serbs VI", Belgrade, 18-22 April 2008, editor M. S. Dimitrijevic, *Publ. Astr. Soc. "Rudjer Bošković"*, **10**, 367.