

REPORT BY THE F.A.I. JURY TO THE INTERNATIONAL AEROMODELLING  
COMMISSION ( C . I . A . M )

EVENT DETAILS:

**2013 EUROPEAN CHAMPIONSHIPS FOR SPACE MODELS  
(SENIORS AND JUNIORS)**

DATE: 24th to 30th August, 2013 LOCATION: Kaspichan (Bulgaria)  
ORGANIZING NAC: Bulgarian National Aero Club and Bulgarian Aeromodelling Federation  
EXECUTIVE ORGANIZER: Space Models Club "Modelist", Kaspichan (Bulgaria)

CONTEST EVENTS / NUMBER OF COMPETITORS/ NUMBER OF TEAMS

Class	SENIORS			
	Individuals		Teams	
	2011	2013	2011	2013
S1B	25	32	9	12
S3A	31	32	11	12
S4A	34	32	12	11
S5C	16	24	6	9
S6A	34	33	12	12
S7	16	22	5	8
S8E/P	25	22	10	10
S9A	34	32	12	12
Total	215	229	77	86
Total increase from 2011 (%)	6,51%		11,68%	

Class	JUNIORS			
	Individuals		Teams	
	2011	2013	2011	2013
S1A	21	21	7	7
S3A	28	25	9	9
S4A	25	25	9	9
S5B	18	17	6	6
S6A	29	24	10	9
S7	15	15	5	5
S8D	18	17	7	6
S9A	29	25	10	9
Total	183		63	
Total increase from 2011 (%)	-7,65%		-4,76%	

2013 FAI European Championships for Space Models was participated by the NAC teams from 13 countries from Europe (BLR, BUL, CRO, GER, ITA, LTU, POL, ROU, RUS, SLO, SRB, SVK, UKR) and USA. There were 13 senior teams with 79 sportsmen and 9 junior teams with 57 sportsmen. GER, ITA and SVK were represented with only 1 senior, CRO with only 1 junior competitor and BLR and LTU had only senior teams. USA participated in accordance with the FAI SC4 General Section par. 3.1.5.1 that allows non-European teams and competitors to enter the event, but with a restriction of being not eligible to get titles of individual or team European Champions. Therefore their results are marked H/C (Hors Concours).

EVENT PERSONNEL: *General Manager of the Championships:* Plamen Stanev (BUL) *Contest Director:* Dimitar Ivanov (BUL), *Range Safety Officer (RSO) for Juniors:* Georgi GEORGIEVSKI (MKD), *RSO for Seniors:* Marian CUDEN (SLO), *RSO Assistants:* I Biser BRATOEV (BUL) and Dimitre AVRAMOV (BUL). *Scale Model Judges:* Vladimir MINAKOV (RUS), Chief Judge, Nikola CVJETICANIN (SRB), Tibor GIRA (SVK), Stuart LODGE (GBR) and Marin GEORGIEV (BUL). *Engine Testing Team Chief:* Yuriy HAPON (UKR). *Dimension Measuring Team Chief:* Yuriy HAPON (UKR), *Electronic Flight Altitude Measurements:* Adrel USB (POL) e-altimeters operated by the Bulgarian measuring crew advised by Artur Szwed (POL).

FAI JURY: Srdjan D. PELAGIC, dipl.ing (SRB), Jury President, Ion GUZU(ROU), Member and Sotir LAZARKOV (BUL), Member.

COMPLAINTS AND PROTESTS: There were two protests one from POL and one from UKR - both denied and protest fees kept.

COMMENTS ON THE EVENT:

GENERAL: The 2013 FAI European Championships for Space Models were organized by the executive organizer SM Club "Modelist" Kaspichan, which has organized already Balkan Games in 1991, five SM World Cup events in last five years and an SM Oplnt in 1990. The organizer succeeded to run these Championships according to the FAI/CIAM standards in spite of financial restrictions, with support by local authorities and a few sponsors. Therefore it deserves appreciation of all participants.

PRE-CONTEST INFORMATION: There were four pre-contest bulletins posted on the organizer's WEB site, published from January to August with all necessary information. Hard copies of the final bulletin with all results were distributed to all teams at the Closing Ceremony and the results were posted at organizer's site www. EuSMCh2013.info and the FAI web site – SM page.

ACCOMMODATION, FOOD AND TRANSPORTATION: Participants were accommodated mainly at the four stars Hotel Shumen in Shumen in one, two and three bed rooms. Breakfasts and dinners were served at the hotel restaurant. Lunch was served at the flying field. Food and accommodation were very good. There was also a canteen at the flying field with grilled food and beverages. Transportation to and from the flying field was by busses, by vans or by private cars.

FLYING FIELD & LAUNCHING SITE: Flying field was positioned at the flat field close to town Kaspichan (about 15 km from Shumen). It was an area of more than 100 hectares with no obstacles, easily accessible from the motor road. The only remark of participants was relatively close corn field to the right and a small village from back side, but that had not a significant influence on regularity of competition. There was

erected a village of tents. There was provided one tent for every team, a tent for a computer center and also tents for canteen, model processing and the jury. A tent for first aid with a medical crew was also there to give the first aid if necessary. There were also available toilets and a truck with a large water tank for washing and refreshment. Every participant also received a 2 liter bottle of drinkable water every day. The flying field was secured every night, during the contest.

Layout of the launching area was semi-circular, divided into two sections (for seniors and juniors) with launch sites for every team marked by plastic ribbons. There were two chairs for time-keepers, two binoculars, a tripod, digital stop-watches and a plaque with a launch site number etc at every launch site.

WEATHER: Weather was sunny, clear and very hot with temperatures ranging from 20°C in the morning to 35°C at noon. Wind speed was low. Soft drinks and water for refreshment of participants helped to spending long hours in hot air with no problems. There were two overnight thunderstorms with strong wind that made some mess in the field by turning down several tents, but the organizers resolved all this before the beginning of competitions on the next day. One of them caused problems with water supply at the hotel, but it was fixed relatively quickly.

MODEL PROCESSING AND ENGINE TESTING: Model processing was in the field during competition days by experienced personnel. Engine testing was conducted by qualified persons on a engine tester, used many times in SM championships. Engine testing was done in presence of the TMs of relevant teams.

FLYING: Flights were controlled by the RSOs for seniors and juniors and their two assistants. This allowed efficient launching procedure. Judging and time-keeping (TK) was fair and correct, although some time-keepers were beginners and their inexperience was noticed on the first day. TK was conducted by more that 40 local and 9 foreign time-keepers.

Flight altitudes were measured electronically in accordance with the FAI SC and Local rules approved by the CIAM Bureau for WSMCh 2010. The whole process was run by the Bulgarian crew and voluntarily advised by Leszek Szwed from "Adrel" (Poland).

One briefing was to clarify engine testing conditions and competition conditions in some classes and additional two to clarify situation with electronic altitude measurement that caused protest from UKR because inexperience of a of Bulgarian e-altitude measurement officer at the beginning of competition in Class S1A .

DATA PROCESSING: Data processing was at a computer center located in a tent. It was equipped with laptop computers, printers, power generator and young and skilled operators Borislav and Georgy Yordanov and supported by Mrs. Dragov. In front of the computer center was a scoreboard. All necessary data were posted there, but sometimes with longer delays than usually acceptable, because of some situations in the flying field, that caused several reactions of the TMs.

CEREMONIES & PRIZES: Opening Ceremony was held in front of the City Hall with parade of all teams, [usual welcoming speeches and short cultural program](#). It was ended with a barbecue party for participants and spectators and with an impressive firework.

The Closing Ceremony and the Closing Banquet were in a large banquet hall at Hotel Shumen. It began with a moment of silence in memory of beloved Prof Gennadiy Poltavets (73) (RUS) who suddenly passed away from hearth attack on the same morning. The rest of the ceremony was spent in an appropriate atmosphere for such a sad situation.

The organizer awarded nice cups to the best teams and sportsmen in seniors and juniors classifications. The best senior and the best junior team is Russia. The best senior individual is Zoran Katanic (SRB), who confirmed this title from the WSMCh 2012 held in Slovakia. The best junior individual is Luka Volarevic (SRB). The organizers also awarded all those who contributed to organization of this greatest SM event in 2013.

THE SPACE MODELLERS' MEETING: Space Models SC meeting was held on the last day in the afternoon at Hotel Shumen. It began with a moment of silence in memory of Prof Gennadiy Poltavets (RUS). The meeting was open to SM SC members, outstanding sportsmen and all team managers. There were 18 participants from 9 countries – 7 of them were SM SC members. The Agenda contained only one item: Future of Spacemodelling in the FAI. It was enlighten from three aspects: a) Current problems and future rules changes presented by S. Pelagic, SM SC Chairman, b) Large and attractive altitude space models for seniors presented by Tibor Gira (SVK) and c) New ideas for improvement of SM system of competitions based on "Letter of Intent" (LOI) from Dragan Jevtic (SRB). The fruitful discussion of all participants contributed to making a plan for further actions primarily in preparation of the rules changes for the forthcoming CIAM Plenary Meeting in April 2014.

REMARKS: a) The Championships were organized in accordance with the FAI/CIAM standards in spite of the financial restrictions and the same organizer is ready for organization of the WSMChs 2014. b) Electronic altitude measurements were conducted successfully, in spite of some problems at the beginning of competitions in Class S1A, but further development of method and equipment should be continued. c) It is necessary to do a general revision of the Space Models rules in order to adjust them fully to modern technologies and practice. Guidelines shall be: larger and more attractive models for seniors, grouping of classes that shall allow better selection of classes for Championships and introduction of modern, commercially available electronic payloads that shall contribute to easier retrieval of models and establishment of more complex and attractive competition tasks. d) It should be considered to have Championships every second year and to give more importance to World Cups, Open Internationals and some Regional events in order to give more time for development and decrease a financial load to NACs.

Srdjan PELAGIC (SRB), FAI Jury President

Ion GUZU (ROU), Member

Sotir LAZARKOV (BUL), Member