

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

EVENT DETAILS:

**2008 FAI EUROPEAN CHAMPIONSHIPS FOR SPACE MODELS
(SENIORS AND JUNIORS)
(12-TH EUROPEAN SPACEMODELLING CHAMPIONSHIPS)**

DATE: 22nd to 28th August, 2008 LOCATION: Irig (Serbia)
ORGANIZING NAC: Vazduhoplovni savez Srbije (Aeronautical Union of Serbia)
EXECUTIVE ORGANIZER: Modeling Club "Sirmium" from Sremska Mitrovica (Serbia)

CONTEST EVENTS / NUMBER OF COMPETITORS/ NUMBER OF TEAMS

| SENIORS | | | JUNIORS | | |
|---------|-------------|-------|---------|-------------|-------|
| Class | Individuals | Teams | Class | Individuals | Teams |
| S1B | 40 | 13 | S1A | 27 | 9 |
| S5C | 23 | 8 | S3A | 30 | 11 |
| S6A | 40 | 14 | S5B | 21 | 8 |
| S7 | 25 | 9 | S6A | 30 | 11 |
| S9A | 40 | 14 | S8D | 15 | 6 |
| Total | 168 | 58 | Total | 123 | 45 |

Comparisson of total participation - 12th EuSMCh 2009 in Irig (SRB) to 11th EuSMCH2007 in Kosice (SVK)

| | | | | | |
|------------|-------|------|------------|--------|-------|
| Total | 145 | 54 | Total | 130 | 49 |
| Increase % | 15,86 | 7,40 | Increase % | -6,39% | -8,16 |

Comparisson of participation per classes - 12th EuSMCh 2009 in Irig (SRB) to 11th EuSMCH2007 in Kosice (SVK)

| Classes | Kosice | | Irig | |
|------------|--------|------|--------|------|
| | Kosice | Irig | Kosice | Irig |
| S5C | 21 | 23 | 7 | 8 |
| S7 | 22 | 25 | 8 | 9 |
| S9B | 38 | 40 | 14 | 14 |
| Total | 81 | 88 | 29 | 31 |
| Increase % | 8,64 | | 6,89 | |

| Classes | Kosice | | Irig | |
|------------|--------|------|--------|------|
| | Kosice | Irig | Kosice | Irig |
| S5B | 22 | 21 | 9 | 8 |
| S8D | 21 | 15 | 9 | 6 |
| Total | 43 | 36 | 18 | 14 |
| Increase % | -8,37 | | -22,22 | |

Note 1: In 12th European Spacemodelling Championships participated teams from the following countries: BLR, BUL, CZE, ESP, (GBR), (ITA), LTU, (MKD), POL, ROU, RUSS, SLO, SRB, SVK. There were 14 senior teams with 78 sportsmen and 11 junior teams with 52 sportsmen. In brackets are countries without junior teams.

Note 2: There was one record attempt by BLR significant in their national frames.

EVENT PERSONNEL: CHAMPIONSHIPS DIRECTOR: Andrija DUCAK (SRB), GENERAL MANAGER: Dragana SPASOJEVIC (SRB), RANGE SAFETY OFFICER (RSO) for Seniors: Georgi GEORGIEVSKI (MKD), RSO for Juniors: Marian CUDEN (SLO), RSO ASSISTANTS: Nebojsa PELAGIC (SRB) and Slobodan MAKSIĆ (SRB). SCALE MODEL JUDGES: Oleg KHOROSH (RUS), Chief Judge, Stuart LODGE (GBR), Jan KOTUHA (SVK), Jury KASPAR (CZE), Nikola CVJETICANIN (SRB). ENGINE TESTING TEAM: Zdenek KOLAR (CZE), Andrej VRBEC (SLO), Miodrag CIPCIC (SRB)

FAI JURY: PRESIDENT: Srdjan D. PELAGIC, dipl.ing (SRB) MEMBER 1: Gerhard WOEBBEKING (GER), MEMBER 2: Ion GUZU (ROU).

COMPLAINTS AND PROTESTS: There was only one protest from Romania on safety matters that was upheld.

COMMENTS ON THE EVENT:

GENERAL: The 12th European Spacemodelling Championships was organized by the experienced organizer, who already organized a similar event in 2003, so the competition area and accommodation conditions as well as the access to the venue was well known to almost all participating teams. In spite of financial restrictions and support by the Ministry of Youth and Sports and other sponsors the executive organizer MK "Sirmium" succeeded to run this Championships according the FAI/CIAM standards. The township of Irig, a small town in Frushka Gora hills, the host of these Championships, deserves appreciation of participants.

PRE-CONTEST INFORMATION: There were four pre-contest bulletins posted on a special 12thEuSMCh2009 WEB site published from January to August with all necessary information.

ACCOMMODATION, FOOD AND TRANSPORTATION: Participants were accommodated mainly in Hotel "Termal" in Vrdnik, in two and three bed bedrooms, located in a well known spa in Frushka Gora hilly area. Several teams rented small houses in Vrdnik or in other nearby villages. Breakfasts and dinners were served at the hotel restaurant. Lunch was served at the flying field in lunch packages. Food was good but service of waiters at the hotel was usually very slow. There was a canteen at the flying field with grilled meat and beverages. Transportation to and from the flying field was organized by two comfortable busses and private cars. Convoy of these vehicles was escorted by traffic police, so the whole trip one way took only about 15 minutes.

FLYING FIELD & LAUNCHING SITE: Flying field was positioned at the flat, just harvested wheat field of about 80 hectares with no obstacles easily accessible from the motor road. There was erected a village consisting of large military tents with separated sections for each team, a tent and a trailer for computer center and also tents for canteen, jury and medical aid. There were also available toilets and a truck with a large water tank for washing and refreshment. In front of every tent were 50 liter demijohns with drink water and hot and cold water taps.

Launching area was divided in two sections with a launch sites for every team marked by plastic ribbons. The organizer ensured two chairs for time-keepers, two binoculars, a tripod, digital stop-watches and a plaque with a launch site number etc for every launch site. In altitude classes a long red and white pole was used to show the trackers the exact launching position. Hand-hold radios were used for communication between the launching area and computer center for data transmission.

WEATHER: Weather was sunny, clear and very hot with temperatures ranging from 20 C in the morning to 38 C at noon. Wind speed was low and in two days there was almost no wind so it was difficult to stay the whole day in the field. Enough soft drinks and water for refreshment of participants helped to spend long hours in hot atmosphere with no problems and sun shocks.

MODEL PROCESSING AND ENGINE TESTING: Model processing took place at the hotel and also on the field and ensured by experienced personnel. Engine testing was conducted by international crew of three qualified persons on Czech-type high quality engine tester used many times in SM championships. Engine testing was completed efficiently with registered thrust-time curves and necessary data. Engine testing was done in presence of the TM of relevant teams.

FLYING: The flying activities were controlled by the RSO for seniors, the RSO for juniors and their two assistants. They ensured efficient launching procedures, except in altitude classes where some problems were noticed at the beginning of the contest because of lack sufficient training of the trackers. **Judging and time-keeping was fair and correct.**

Trackers were professional surveying engineers with modern theodolites, but these instruments were not adequate for tracking quickly moving flying objects. Also color of sky was changing during the contest and it was difficult to select an appropriate color of power clouds ejected from the models to ease tracking to ease visibility. Military TZK wide angle theodolites (that were used successfully for decades) are now available only in Slovakia. Change of the measuring method from optical to electronic is urgent because of too much TL(track lost), NC(no close) and DQ flights. There was quite a number of DQs because of instability of altitude models, so bigger, more attractive and more stable models should be flown in future, which shall require some rules changes.

DATA PROCESSING: Data processing was at a computer center located in a trailer with a big sunshade by its side. It was equipped with three modern laptop computers and young well trained crew. In front of the computer center was a scoreboard. All necessary data were posted there after each round. Because of necessity to have real time information a classic hand-written score sheet was posted at the score board, but some data were posted there with a bigger delay than some competitors expected. This lead to several discussions with the team leaders, but such conversations concluded without any protest. This was especially noticed in altitude classes where such "real-time" results have to be posted based on raw data and some TL or NC had to be corrected during the round. Communication with the flying field was correct, but in altitude classes took too much time. At the intervention of the FAI jury was introduced the fly opportunity rule that gave the possibility to execute valuable flights for each competitor.

CEREMONIES & PRIZES: Opening and Closing Ceremonies were held at Hotel "Termal" in front of its swimming pool. It was too small for all participants and guests, so parade was limited to a person who hold a panel with team's name and a person with the country's flag. Flag poles were located little too far on a little hill slope. At the opening ceremony participated the deputy of Serbian Minister of Youth and Sports, NAC top officials and local authorities with usual welcoming speeches. The Closing Ceremony and the Closing Banquet were in a large banquet hall at the Hotel "Termal" also visited by different authorities and with nice awarding ceremony to overall best teams and sportsmen and also to all those who contributed to organization of this event. Prize awarding ceremonies were at the end of every day in the field with a podium, flags, national anthems. There were awarded CIAM medals, FAI diplomas and fine organizer's cups to all winners and the winning teams. Also a nice welcoming ceremony organized on the first day by the Mayor of Irig held at Hotel "Termal" for the FAI Jury, Judges and Team Managers should be mentioned with thanks.

THE SPACE MODELLERS' MEETING: There were two space modelers meetings. Round Table discussion covered a waste area of technical and organizational problems. At this event participated about 20 sportsmen and team managers from 12 countries. Separate minutes shall be published after this event. The next day was a Space Models SC meeting open to SM SC members, outstanding sportsmen and all team managers. The Agenda contained: 1) Offers for next WSMCh 2012 and EuSMChs. 2) Eight classes in SM Champs again, 3) Directions of SM technical development and the mainstream 4) Minakov Project and rules Changes 2010. Mr Jurek from Slovakia and Mr Dragov from Bulgaria gave very informative presentations of their bids to be submitted to CIAM Plenary meeting. In next item Mr G. Woebbeking, the 2nd CIAM VP, gave a very interesting presentation on how he sees SM with respect to general CIAM policy and gave several very interesting remarks and proposals. After that there was a long and productive discussion on the rules changes specially focused on electronic altitude measurement in future Championships. As a special contribution to this discussion Marian Krause (ROU) demonstrated in the flying field flight of an altitude model with an electronic altimeter produced in Germany. After that he had a presentation on this device and its computer program.

EXCURSION: There was organized a very nice half day excursion to small, old, nearby town Sremski Karlovci and three monasteries from 17th century and a wine cellar in the Fruška Gora hills that is famous for sorted wines. There were about 20 visitors transported in two big vans. All of them were very satisfied with the excursion.

REMARKS: a) The Championships was organized in accordance with the FAI/CIAM standards. b) It is necessary to provide more space for opening ceremony that allows teams parade with flags and presence of spectators. c) Service of hotel personnel should be improved. d) It is necessary to change altitude measuring method from theodolites to electronic altimeters for FAI/CIAM Championships because of increased reliability and simpler procedure. The new rules valid from Jan 1, 2010 shall allow that.

Srdjan PELAGIC (SRB), FAI Jury President

Gerhard WOEBBEKING (GER), Member

Ion GUZU (ROU) Member