

**2016 FAI S World Championships for Space Models (seniors and juniors)**

**22nd-30th August, 2016 – Lviv Region, Ukraine**



FAI  
**WORLD  
CHAMPIONSHIPS**  
FOR SPACE  
MODELS

**2016**  
UKRAINE  
LVIV



**NOOSPHERE**  
Technology Knowledge Humanity



**Bulletin # 2**

**28 February 2016**

**Lviv Region**

## ORGANIZERS:

By appointment of the Federation Aeronautique Internationale (FAI)

### Organizers are:

Noosphere Ventures USA inc.

Federation of Aeronautical Sports of Ukraine

Spacemodelling Sport Federation on Ukraine

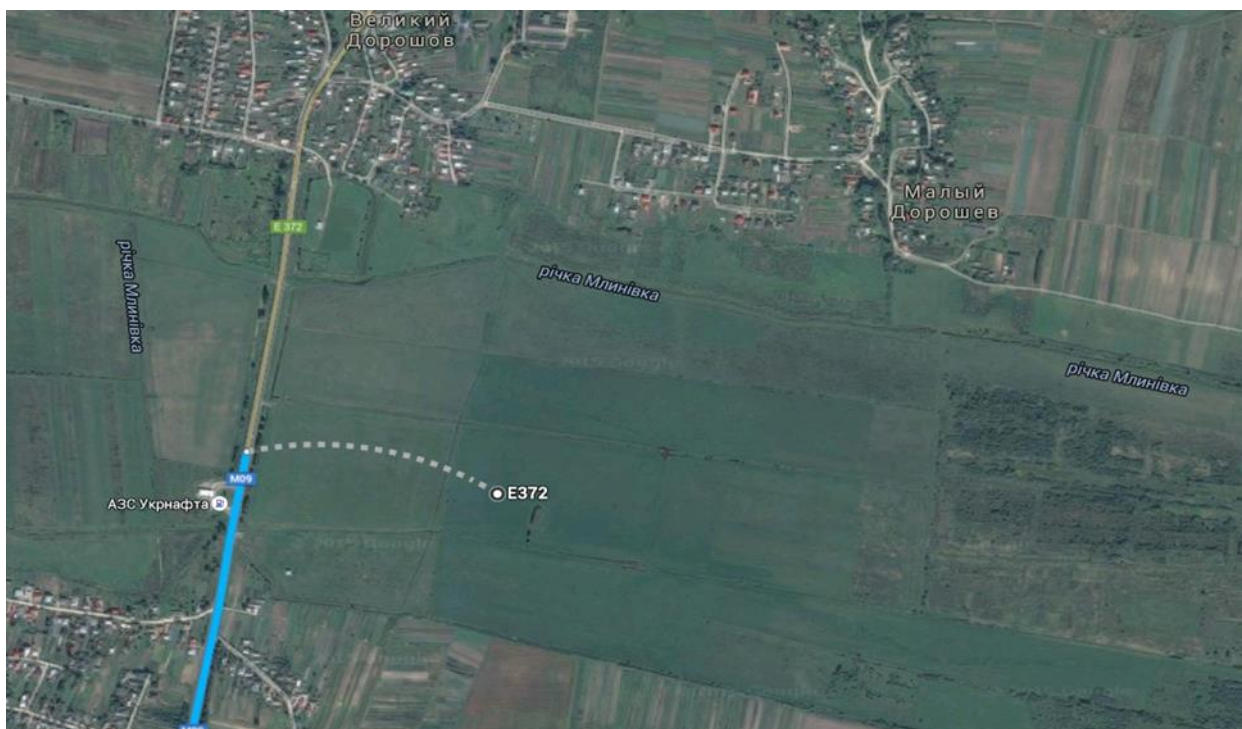
Director of the Championships: **Mr. Michael RYABOKON**

Sports Director: **Mr. Volodymyr PANAKHNO**

IT Service Manager: **Mr. Bronislav VIL'KOSH**

Secretary of the Championships: **Mrs. Hanna HAPON**

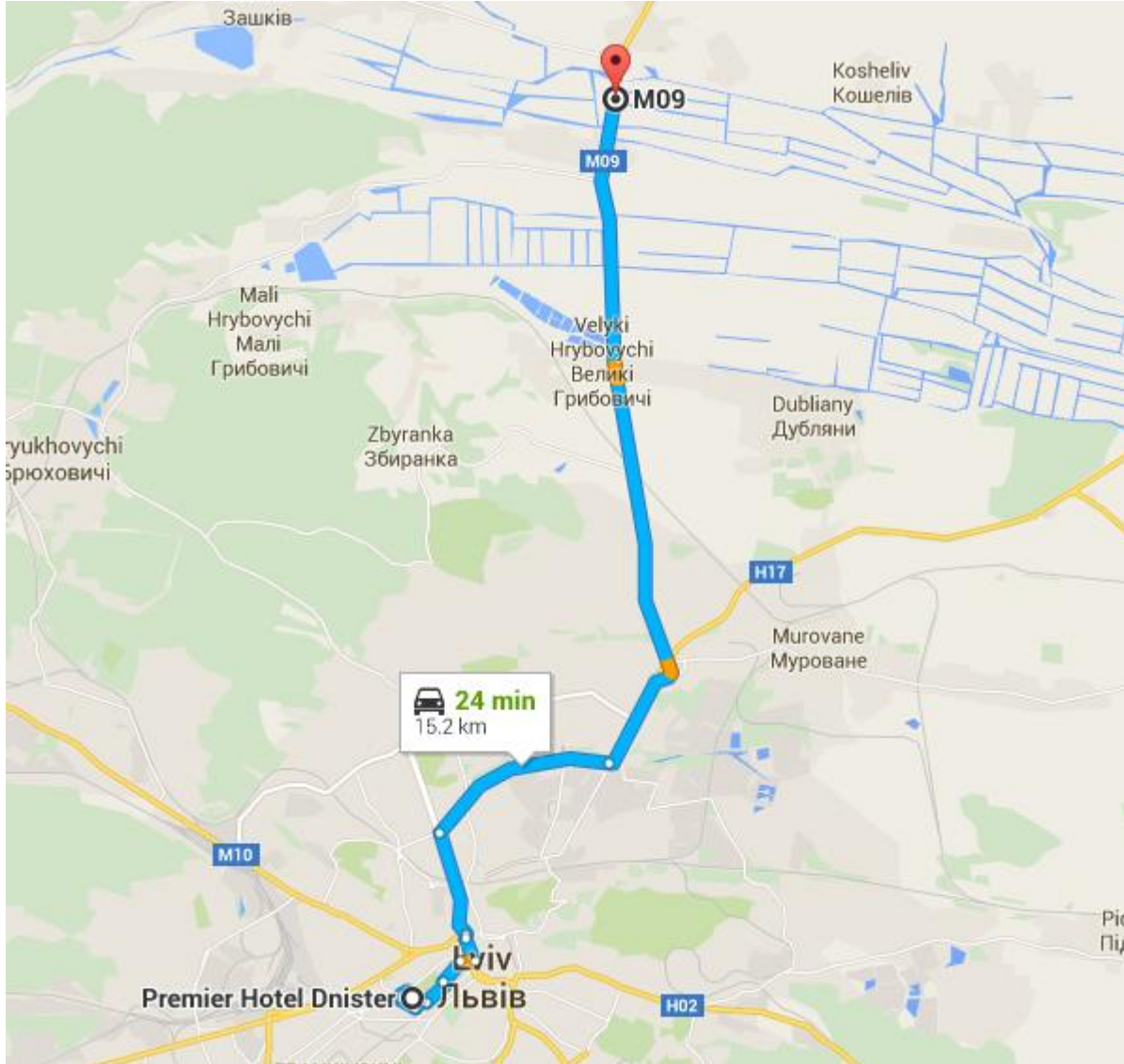
## DESCRIPTION OF THE CHAMPIONSHIPS' LOCATION



## TRANSPORTATION:

The World Championships will be held at the airfield near Lviv, Ukraine. The airfield is 14 km from Lviv downtown.

- we are organizing free bus from the downtown
- quite easy to get there by your own car by auto route E-372 (M-09)



- And there is a carriage able way (track E-372) from the Polish border

Two international highways cross Lviv, as follows:

- Calais-Ridder E-40 (M-11 in Ukraine),
- Warsaw-Lviv E-372 (M-09 in Ukraine).

Please provide Organizer with information about your license plate number and estimated customs post, if you plan to get Ukraine by your own transport. It will speed up the procedure of customs control.

I. International airport is located in Lviv. GPS: 49°49'04.5"N 23°57'33.3"E

II. Flights are serviced by the following airline companies: Austrian Airlines, Lufthanza, Czech Airlines, Pegasus, CarpatAir, Turkish Airlines, WindRose, Lot, WizzAir, Astra Airlines, Azerbaijan Airlines, UtAir, Dniproavia, International Airlines of Ukraine.

<http://www.lvivairport.info/>

III. Information on international and national trains can be found here:

<https://www.uz.gov.ua>

Railway station in Lviv - GPS: 49° 83' 97" N, 23° 99' 43" E

IV. The organizers offer Officials Delegations the picking-up and transfer from the airport, railway and bus stations to accommodation place.

V. Map of Ukraine, cities and any address can be found here:

<http://wikimapia.org/>

<https://www.google.com/maps>

Information on entry documents visa registration procedure can be found on the official website of Ministry of Foreign Affairs of Ukraine:

<http://mfa.gov.ua/en>

Weather conditions common for August:

- Average daily temperature: 18-24°C
- Average wind speed: 3, 8 m/sec
- Wind direction: west, north-west, south-west
- Rainfall / month: 3, 18 mm.

## SCHEDULE:

Classes:

**Seniors** S1B, S3A, S4A, S5C, S6A, S7, S8E/P, S9A,

S2P (as Open International Cup)

**Juniors** S1A, S3A, S4A, S5B, S6A, S7, S8D, S9A,

S2P (as Open International Cup)

№	Date	Competition Day	Schedule	Seniors		Juniors		Fly-offs		Start-End
								Seniors	Juniors	
1	22.08.2016	Monday	Arrival of participants, registration at the hotel 'Dnister' accommodation, training, engine testing, turn – in of S5 and S7, TM meeting							
2	23.08.2016	Tuesday	Official training 9.30 – 16.00, engine testing OPENING CEREMONY – 18.00							
3	24.08.2016	Wednesday	Engine testing. Open International Cup for S2P class. Contest and demonstration  Contest Flights  S8E/P for seniors  S3A for juniors  S3							8:00-12:30       13.30-19.00
4	25.08.2016	Thursday	Contest Flights	S6	S4	S4	S1	S6, S4	S4	8:00-18:30
5	26.08.2016	Friday	Contest Flights	S3	S1	S6	S9	S3	S6, S9	8:00-18:30
6	27.08.2016	Saturday	Contest Flights	S9	S5	S5	S8D	S9	S8D	8:00-18:30
7	28.08.2016	Sunday	Contest Flights		S7	S7				8:00-14:00
			CIAM Space Models S/C meeting							
8	29.08.2016	Monday	Reserve Day – Excursion  PRIZE AWARDING CEREMONY AND BANQUET – 18.00							
9	30.08.2016	Tuesday	Departure of participants after breakfast 11.00							

## Overview of cultural and social events for WSMCh 2016:

23. 08. 2016 - 18.00 The opening ceremony of the WSMCh 2016.

24. 08. 2016 – 09.00 The demonstration flights of S2P class

29.08.2016 – 09:00 – 16:00 Tour historical sites

### 1. (Hiking)

**Rynok Square** has been the centre of political, public, cultural, and commercial life of the city for 500 years; it is the heart of Lviv, the setting of the historic beginning of the Europeanization of Ukraine.

**The Kornyakt Palace** (6 Rynok Square) represents an extremely valuable Renaissance monument dating to 1580; it was the palace of the wealthiest citizen in the whole history of Lviv - the merchant Constantine Kornyakt.

**The Chapel of the Boim family** is a famous and very unique late Renaissance monument; it has no analogues, neither in Ukraine nor in the rest of Europe...

**Virmens'ka str.** The Armenian community, one of the oldest in Lviv, had formed over a period of many years a centre for its national life in Lviv. Its unique architecture portrays the original spirit of this Eastern Christian culture.

**The Lviv Opera House** (28 Svobody Square) is an architectural gem of Lviv, built in the Neo-Renaissance style in 1901, and one of the most beautiful theatres in Europe.

### 2. (Bus)

**The Dominican Church**, now the Greek Catholic Church of the Holy Eucharist, is a magnificent monument of the late Baroque; it is adorned with original sculptures.

**The Bernardine Monastery** (now the Greek Catholic Church of St. Andrew) is an impressive monument in the Renaissance, Mannerism, and Baroque styles dating to 1600-1630s. This is a fortified medieval monastery.

**The High Castle Park** (Uzhhorodska and Knyazha Streets): an old shady park on the hill towering above the city, ruins of an old castle, the viewing platform, and breathtaking sceneries

**The Palace of Counts Potockis** is a majestic edifice in French Neorenaissance style of late 19th century.

### 3. (Gastronomic tour)

**The Lviv Beer Brewing Museum** is the first museum of beer brewing in Ukraine. The exhibit presents a complete history of beer brewing in Lviv and the Lviv Beer Plant.

Somewhere in the subterranean vaults of the Ploshcha Rynok (Market Square), you can come upon a basement tavern, designed to look like a

**Kryyivka** (underground bunker) Kryyivkas were used by partisan soldiers enlisted in the Ukrainian Insurgent Army. But, you need to pronounce the password if you want to get in.

### **Hasova Lyampa**

The first Museum-Restaurant in Ukraine!

This restaurant and tavern is the first museum-restaurant in Ukraine. In fact, it hosts a huge collection of kerosene lamps, as the first kerosene lamp was invented in Lviv in 1853. Here, guests can enjoy a pleasant and tasty meal, and find out more about the history of these lamps.



**FAI JURY:**

Jury President **Mr. Gerhard WOEBBEKING** Germany  
Jury Member **Mr. Taras TATARYN** Canada  
Jury Member **Mr. Yuriy HAPON** Ukraine

Reserve **Mr. Ed PEARSON** USA  
Reserve **Mr. Tadeusz KASPRZYCKI** Poland  
Reserve **Mr. Lubomir JUREK** Slovakia

**FAI JUDGES S5 and S7:**

Chief Judge **Mr. Stuart LODGE** United Kingdom  
Judge **Mr. Marin GEORGIEV** Bulgaria  
Judge **Mr. Jiry KASPAR** Czech republic  
Judge **Mr. Viktor KOVALYOV** Ukraine  
Judge **Mr. Andrzej SAWICKI** Poland

Judge – reserve **Mr. Uladzimir MINKEVICH** Belarus  
Dimension Measuring **Mr. Olexander HERASIMENKO** Ukraine

**RANGE SAFETY OFFICERS:**

For Seniors **Mr. Andrija DUCAK** Slovenia  
Deputy RSO for Seniors **Mr Oleksandr LIPETSKIY** Ukraine  
For Juniors **Mrs. Ewa DUDZIAK PRZYBYTEK** Poland  
Deputy RSO for Juniors **Mr. Denis PRYDANNIKOV** Ukraine  
Reserve **Mrs. Janka KAJANOVA** Slovakia

**ENGINE TESTING:**

**Mr. Vyacheslav MELEZYK** Ukraine  
**Mr. Angel TODOROV** Bulgaria  
**Mr. Olexander BEDOVSKIY** Ukraine  
Reserve **Mr. Vitaliy SIDORENKO** Ukraine

**Electronic Altitude Measurements Officer:**

**Mr. Leszek SZWED** Poland

**PARTICIPATION:**

- Each FAI member may enter with a National team consisting of:
- One Team manager for seniors,
- One Team manager for juniors,
- One Team manager's assistant / trainer for seniors,
- One Team manager's assistant / trainer for juniors,
- Maximum 3 seniors competitors in each class,
- Maximum 3 juniors competitors in each class,
- Official helpers,
- Supporters,
- Two timekeepers for every country with full board at the hotel.

## FINAL OR PRELIMINARY ENTRIES

Until 28th February 2016, entry forms from the following NAC teams have been received.

<b>Nº</b>	<b>Country</b>	<b>Seniors</b>	<b>Juniors</b>	<b>TM</b>	<b>TMA</b>	<b>Help.- Sup</b>	<b>TK</b>	<b>Total</b>
1	UKRAINE	14	14	2	2			32
2	ITALY	1						1
3	CHINA	17	14	2		10	2	45
4	U.S.A	16	6	2	1	8	1	34
5	ESTONIA	3	4			1	1	9
6	SWITZERLAND	4		1		2		7
7	JAPAN	7	3	2		2		14
8	SLOVAKIA	8	6			2	2	18
9	POLAND	10	11	1		1	2	25
10	BULGARIA	9	8				1	18
11	CANADA	3				1		4
12	UNITED KINGDOM	4		1		1		6
13	CZECH REPUBLIC	6	5	2			2	15
14	LITHUANIA	4						4
<b>TOTAL</b>		<b>106</b>	<b>71</b>	<b>13</b>	<b>3</b>	<b>28</b>	<b>11</b>	<b>232</b>

### **RULES:**

FAI Sporting Code, Section 4, Volume ABR and Volume Space Models, Edition January 01, 2016.

### **SPORTING LICENSES:**

Every competitor, team manager and assistant team manager/coach must possess a valid FAI Sporting License and be entered on the FAI database.

### **AGE OF JUNIORS AND THEIR HELPERS:**

(Sporting Code, paragraph B.3.4): "A competitor is considered to be a junior up to and including the calendar year in which he attained the age of 18."

### **INSURANCE:**

The Organizer will provide third party insurance cover to all participants for accidents involving injury to others or damage to property according to the host country's legislation. Participants should provide their own health insurance to cover accident and illness.



**OFFICIAL LANGUAGES:**

English and Ukrainian.

**ENTRY FEES:**

- 350 € – basic entry fee for TM and TM assistant
- 350 € – basic entry fee for senior competitors,
- 250 € – basic entry fee for junior competitors
- 70 € – basic entry fee for official helpers and supporters
- 30 € – basic entry fee for banquet senior
- 30 € – basic entry fee for banquet junior

**PROTESTS:**

All protests must be presented in writing to the Contest Director at the competition site and must be accompanied by a deposit of 50 €. The deposit is to be returned if the protest is upheld only.

**Entry fee** covers the cost of participation card in World Championships, informative materials, souvenirs and sport trophies.

**The basic entry fees will be paid in Euro to the bank account of the organizers listed below  
From April 01, 2016 but not later than 31 May 2016**

<b>Date of payment</b>	<b>Benefit</b>	<b>Fine</b>
<b>March-31</b>	<b>-5%</b>	<b>/</b>
<b>April-30</b>	<b>/</b>	<b>/</b>
<b>May-31</b>	<b>/</b>	<b>/</b>
<b>June -30</b>	<b>/</b>	<b>+5%</b>
<b>July-31</b>	<b>/</b>	<b>+10%</b>
<b>On site</b>	<b>/</b>	<b>+20%</b>

**All payments should be made only on the basis of the invoice, which is issued by the Organizer of the championship.**

**Send the entry fees to the following bank account (Euro only):**

**Customer's Name:**

FEDERATSIYA RAKETOMODEL'NOGO SPORTU UKRAINI  
VSEUKRAINS'KA GROMADS'KA ORGANIZATSIYA  
Semafora Str. 40/77  
49124, Dnipropetrovs'k  
Ukraine

**Bank Adress:**

PUBLIC JOINT STOCK COMPANY  
COMMERCIAL BANK "PRIVATBANK"  
office 50 Naberezhna Peremohy Str.  
Dnipropetrovs'k  
49094, Ukraine

**BANK ACCOUNT № 26007050233168**

**IBAN: UA323052990000026007050233168**

**SWIFT: PBANUA2X**

**Correspondent banks:**

DEUTSCHE BANK AG, Frankfurt, Germany  
Account in the correspondent bank: 100-947012110  
SWIFT-code of the correspondent bank: DEUTDEFF

Commerzbank AG, Frankfurt am Main, Germany  
Account in the correspondent bank: 400886700401  
SWIFT-code of the correspondent bank COBADEFF

## **RADIO FREQUENCIES :**

Following frequencies are expected to be used: 35 MHz, 40 MHz, 2, 4 GHz. Every competitor must register two frequencies for every transmitter except for 2.4 GHz spread spectrum devices.

## **ANTI-DOPING:**

If a competitor has to take, for a medical condition, any of the substances listed on the WADA Prohibited List then he must have a Therapeutic Use Exemption from the FAI.

<http://www.wada-ama.org/>

Quotation from the FAI Anti-doping regulations:

“If you regularly take medication prescribed by your doctor and this medication is on the WADA Prohibited List, you need to get a form called a TUE (therapeutic use exemption) filled out by your doctor. International level athletes must send the form to the FAI Secretariat, National level athletes send it to their National Air Sport Control”.

## **CLASSIFICATION AND AWARDS:**

The first three individuals in each class will receive FAI diplomas, FAI medals and organizer's cups and medals. The first three teams in each class shall receive one FAI medal each and the organizer's cups and medals. Team members of the first three teams, including team managers, will receive FAI diplomas.

## **CIAM World Championship Trophies 2014**

<b>Category</b>	<b>Name of the Trophy</b>	<b>Condition</b>	<b>Box</b>	<b>Awarded</b>	<b>Remarks</b>
S4B Individual	Carl Neubronner Challenge Trophy	Gold	Yes	Yordanov Plamen (Bulgaria)	
S4B Team	Minister of Education of the People's Polish Republic Challenge Trophy	Gold	Yes	Russia	This trophy is lost. Last awarded in 2002
S7 Team	General Committee for Physical Culture and Sport of the Polish People's Republic Challenge Trophy			Ukraine	This trophy has been reported lost for some years.
S8E Team	President of the Aero Club of the Polish People's Republic Challenge Trophy	Gold	Yes	China	S8E/P
Space Multiple Contest Team	Pelagic Brothers Trophy	Excellent	Yes	Bulgaria	New Trophy in 2014

Organizer notify all holders of trophies that they must be submitted to the organizer not later than 22.08.2016. For questions please contact the Organizing Committee.

## WORLD CHAMPIONS 2014:

The World Championships 2014 winners have the right (subject to the approval of his National Air sports Control) to participate in the next World Championships in this category regardless of whether he qualifies for the national team or not. These are:

Seniors			Juniors		
S1B	Antonio MAZZARACCHIO	ITA	S1A	Olexandr GOLOVIN	UKR
S3A	Antonio MAZZARACCHIO	ITA	S3A	Veselin VESELINOV	BUL
S4A	Plamen YORDANOV	BUL	S4A	Patryk SADOWSKI	POL
S5C	Vladimir TARASOV	RUS	S5B	Alyssa STENBERG	USA
S6A	Malmyga LESZEK	POL	S6A	Kaloyan DIMITROV	BUL
S7	Marek BUJAK	POL	S7	Katerina VANIKOVA	CHE
S8E/P	Lu ZHENG	CHN	S8D	Mladen TOTEV	BUL
S9A	Toshko STOYANOV	BUL	S9A	Aleksandr SHIROBOKOV	RUS

## REGISTRATION:

Final entry form should be filed through Cup Navigator system - <http://cupnavigator.com/worldrocket2016>  
For your convenience, all applications will be accepted only in electronic form. Just save or print the Final Entry Form to send it to your NAC for signature and stamp. Scan of the certified form should be attached to the electronic version as a guarantee of your authority from the NAC.

**Final entry forms should be sent and accompanied with payment of the full entry fee not later than the 31th May, 2016.**

## OPEN INTERNATIONAL CONTEST FOR S2/P MODELS

Open International Contest for S2/P models is included in the schedule of the 2016 World Championships.

### Key information:

Event date: 24 August, 2016

Place: Lviv, Ukraine

Airfield of the World Championships

Participants: Seniors and Juniors

Entry fee: 30 euro

Open International Contest for S2/P models is an official FAI event and governed by the FAI Code, paragraph 6.2. It is non World Cup competition.

You can get more information and apply through Cup Navigator: <http://cupnavigator.com/S2P-Lviv2016>

Registration is opened till 10 July, 2016

## CONTEST SITE:



Location: within 14 km from Lviv center.

GPS: 49°56'25"N 24°3'39"E

Field Size: 800 x 1400m

Surface: grass

Airfield is suitable to conduct practice flights, to train pilots of planes, helicopters, gliders, to fly hang-gliders, to bail and hold aeromodelling sport events. Airfield's peculiarity: smooth coating of perennial grasses.

The polygon will be provided with a free internet Wi-Fi .

During the championships the results will be published on-line by scoring-system 'CupNavigator'

<http://cupnavigator.com/>

## ACCOMMODATION AND BOARD:

The Organizer ensures board and lodging for all participants in 4-star hotels 'Premier Hotel Dnister' & 'Warsaw'. Price is the same.

Breakfast and dinner will be served in hotel's restaurant. Hot lunch and mineral water will be served on the contest site, in special designated tents. Beer, coffee and soft drinks will be provided for extra fee.

Organizer provides daily client accommodation and full board (price for one person per 8 days).

Organizer provides daily client accommodation and full board in a single price / person / day at an amount of 38 €. (8 days, it is = 304 € / person).

Accommodation includes:

22.08.16 – lunch + dinner

23-29.08.16 – full board

30.08.15 – breakfast

Total 8 full board and lodging

Wi-Fi

Free parking zone for 35 cars.

According to European standards, check-in is at 14.00. If you need an early check-in, late check-out or extra nights at the hotel, please inform the organizers in advance.



ABOUT HOTEL:

**Premier Hotel Dnister:** 49°83'7.24"9 N 24°01'67.15 E



<https://dnister-hotel.phnr.com/ua>

All official meetings and conferences will take place in basic hotel 'Premier Hotel Dnister'.

**Warsaw:** 49° 48' 757" N 23° 58' 671" E





<http://warszawa-hotel.com.ua/>

In the case of a large number of participants, we will offer our guests accommodation in a reserve hotel "EuroHotel".

**EuroHotel:** 49°50'8.16"N, 24°2'28.32"E



<http://www.eurohotel.lviv.ua/>

**NEXT BULLETINS:**

Bulletin No 3 – 15 June 2016

Bulletin No 4 – 18 August 2016

Bulletin No 5 – 31 August 2016

**CONTACT ADDRESS:**

FEDERATSIYA RAKETOMODEL'NOGO SPORTU UKRAINI VSEUKRAINS'KAGROMADS'KA ORGANIZATSIYA (Spacemodelling Sport Federation of Ukraine)

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**The Organizing Committee:**

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**Information on 2016 FAI S World Championships for Space Models (Seniors and Juniors) intended to aeromodellers is published on <http://frms.ua>. Official results will also be scored and published on the website using scoring system in real-time mode.**

### **Local Rules for**

### **FLIGHT ALTITUDE MEASUREMENT BY ELECTRONIC ALTIMETER**

### **at the 2016 FAI World Championships for Space Models**

Flight altitudes in all altitude classes (S1A and S5B for juniors and S1B and S5C for seniors) shall be measured by electronic altimeters in accordance with the FAI Sporting Code Section 4, Volume ABR, paragraph B.12 and Volume Space Models, paragraph 4.9.2.1 and its Annex 2 – Space Modeling Judges and Organizers' Guide, paragraph 5.b.2: Use of Electron Altimeters.

Local Rules for the Contest Process in Space Models Altitude Competitions in Classes S1 and S5 are those used for the FAI European Championships for Space Models Romania 2011 were approved by the CIAM Bureau at its meeting held in Lausanne (Switzerland) in December 2010.

All flights shall be measured with the electronic altimeter ADREL (Poland) ALT-USB. The same type of the electronic altimeters produced by the same producer, that shall provide the organizer all competitors in these Championships, shall be used for electronic altitude measurements.

All details on preparation of altitude models with electronic altimeters for flight and the Contest Process will be published in Bulletin No 2.

### **DEPOSIT**

Every team shall submit, at registration, a deposit for each altimeter that will be issued. The deposit must be paid before the contest starts. The deposit shall be an amount of 45 Euro and shall be returned when the altimeters and batteries are returned. If an altimeter and battery is not returned, or is damaged, the deposit shall be retained. If all altimeters per team are lost, during a competition, a new deposit must be paid to allow the team to continue in the competition.