

# *The Journal of FAI Space Modelling*

## The British Space Modelling Association

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### **Jerry Gregorek is 80!!**

**I AM** very pleased to inform you that our dear and esteemed friend, *Dr GERALD MICHAEL GREGOREK*, much better known as *Jerry*...one of the real pioneers of Space Modelling, is now 80 years of age! **Srdjan Pelagic continues...** *"Let me, in the name of you all and on behalf of thousands of space modellers, from more than thirty countries, cheer with joy"...*

***"HAPPY BIRTHDAY TO YOU, DEAR JERRY AND MANY HAPPY RETURNS.."***

"I met Jerry for the first time at the 1st World Space Modelling Championships, held in Vrsac (former Yugoslavia, now Serbia), some 40 years ago. Jerry was then a competitor. After that, we met many, many times, in many countries, at different space modelling events. Jerry always held very important positions and did his job competently, in a good mood and ever-friendly to everyone. He spent years as a very successful team manager of Team USA."

"In my opinion, Jerry's greatest merit for space modelling was by writing and publishing many very important papers on space models' aerodynamics and one of these works solved the mystery of the aerodynamic drag of space models ("*TR-11 Aerodynamic Drag of Model Rockets*", by Dr. Gerald M. Gregorek, for Estes Industries"). In my understanding, he was also the first university professor to employ space modelling as a tool for the teaching of students of aeronautical engineering."

"I hold a collection of his papers with his inscription for more than 30 years. He gave me these as a gift at the World SM Championships, in Bulgaria. Then I

learned from him something very important - these hobby works must be treated with the same care, respect and responsibility as any of the most important professional works. Then he told me something like this: "*We are the same men as professionals and as sportsmen and every of our works must be treated equally*". Thank you for this lesson, Jerry - it has been very useful to me for decades."

"But in addition to being a space modeller, Jerry spent his professional life as an Aeronautical Engineer, a Scientist and as a University Professor. It is a honour for all space modellers to have such a man with us as a companion and also as a friend."

"NAR - *National Association of Rocketry* - paid tribute to Jerry, during NARAM-53, at a very fine Birthday party held in the Loveland Room of the Cincinnati Marriott Northeast, 9664 Mason Montgomery Road, Mason, OH 45040 - NARAM-53 hotel - 1900-2200, on 24<sup>th</sup> July 2011".

"I invite all of you, from distant countries, who know Jerry and who have enjoyed his friendship for years and decades, but who were unable to attend this party and also those younger who used Jerry's works to become top space modellers, to send best wishes to his emails"...

[GREGOREK1@COLUMBUS.RR.COM](mailto:GREGOREK1@COLUMBUS.RR.COM) and.. [jerrygregorek@att.net](mailto:jerrygregorek@att.net).

### **Dr Gregorek's Biography ~ background**

*Dr. Gerald Gregorek was a Professor of Aerospace Engineering, at Ohio State University and Director of Aeronautical and Astronautical Research Laboratory. He has led experimental and analytical aerodynamic research for NASA, USAF, and the Aerospace Industry generally. These programs have varied from laminar airfoil design and wind tunnel testing, to novel business aircraft, configuration design and evaluations, in addition to new airfoil and propeller flight tests for general aviation airplanes. Professor Gregorek is a Fellow of the American Institute of Aeronautics and Astronautics.*

**Editor's note..** Thank You, Srdjan Pelagic for copying us all into all this. All readers echo the words... *"Happy Birthday Jerry!"*

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**Editorial** Better squeeze this in here...Jerry Gregorek gets page 1 to himself! Once more, thanks are offered to Srdjan Pelagic for obtaining all this information and making it available.

Now follows yet more from the World Cup arena; *Liepaja Cup, Belgrade Cup, Zielona Gora Cup, Impulse Cup and the Yangel Cup*. 2011 continues apace...just remember, we have the 13<sup>th</sup> *European Space Modelling Championships*, in Romania coming up real soon. Time to remind you...*to prepare for extensive discussions on the future of Space Modelling*. Time to remind you...*that it is US who must take the key decisions*. Time to remind you...*that Space Modelling could be over, if others in FAI take these decisions for us*. More on this, later in this issue. FAI Awards too!?!

Better news is that Space Modelling is getting much more coverage on the FAI webpage. If anyone asks, "*What is Space Modelling*", this entry answers most questions. But it's only a start! Off we go..

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**Sky Rockets in Sight - SKYLARKS too...another little beauty from Jason Wentworth.**

**T**HIS week I found *THE* source for scale data on the British Aerospace Skylark series of sounding rockets.

Hugh Whitfield (e-mail: [mail@srs-limited.com](mailto:mail@srs-limited.com)) was the Project Manager for the Skylark at British Aerospace from 1976, then at Matra Marconi (who "inherited" the Skylark from British Aerospace), and finally at his own company, SRS (Sounding Rocket Services Limited, see: <http://www.srs-limited.com/>), which is still in business. This week he told me that "*I retain all, or at least most, of the drawings and procedures for Skylark*." My letter to Hugh is as below:

"Dear Sirs....I recall reading that Bristol Aerospace in Canada based the 17-inch diameter rocket motors of their PTV (Propulsion Test Vehicle, later re-named Black Brant I), Black Brant II, Black Brant IV (first stage), and Black Brant V on the 17" diameter Raven motor that powered the Skylark sounding rocket. Also, I have read that they plan to discontinue their Nihka upper stage motor (a shortened 17" motor that is comparable to the Goldfinch motor) that NASA would like to continue using, and I see this as creating a unique opportunity for Sounding Rocket Services Ltd (please see below):"

"A new SRS-built series of Skylark sounding rockets could use the Black Brant V motor in place of the Raven motor, utilizing the Skylark fin assembly, payload modules, parachute recovery subsystem, and nose cones. The single-stage version would be similar to the Skylark 5. A boosted version (a Skylark 7 analog) would use the Nihka motor (with a shorter nozzle for sea-level operation) instead of the Goldfinch motor (along with the Goldfinch interstage adapter with optional Imp spin motors). A three-stage version would use a modified "sea-level" Nihka motor as the first stage, a Black Brant V motor as the second stage, and a "stock" (standard) Nihka motor as the third stage; this version would be similar to the Skylark 12. Also:

For smaller payloads, a vehicle comparable to the Skylark 10A (Meadowlark) could use a modified Nihka motor as the first stage and a CTI (Cesaroni Technology, Inc.) UPA-264-C rocket motor. See..

[www.cesaroni.net/news.php](http://www.cesaroni.net/news.php)  
[click on April 30, 2007 headline] and...

[www.upaerospace.com](http://www.upaerospace.com)

...as the second stage. Your company's use of the Nihka motor could (in addition to NASA's demand for this motor) persuade Bristol Aerospace to keep it in production. Also, the Skylark 5, 7, and 12 analogs would be another market for Bristol Aerospace's Black Brant V motors (which should

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reduce the per-motor price), and they would enable the long-time experimenters who fly payloads out of ESRANGE and the Andøya Rocket Range to continue using standard Skylark payload components and instrument interfaces.

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I have not asked Hugh about using his "mother lode" of scale data. (I had e-mailed his company regarding a possible rebirth of the Skylark using Black Brant V and Nihka rocket motors to replace the Skylark's now out-of-production Raven and Goldfinch rocket motors--please see the copy of my e-mail to SRS below.) Here's my idea: Since you are an official of international standing in Space Modelling, I think Hugh would be more positively disposed toward letting you peruse his Skylark drawings and copy the "outer moldline" ones that are of use to scale modelers (also, you could physically do this because you're both in England).

The Skylark was a series of sounding rockets. The last three variants were the Skylark 5 (single-stage--used Raven XI motor), Skylark 7 (two-stage--used Goldfinch IIA first stage motor and Raven XI second stage motor), and Skylark 12 (three-stage--used Goldfinch IIA first stage motor, Raven XI second stage motor, and Cuckoo IV third stage motor). There were also earlier Skylark variants that used earlier versions of the Raven motor (both by itself and with earlier versions of the Cuckoo and Goldfinch motors, which served as first stages). Jean-Jacques Serra's "Rockets in Europe" web site has information on and illustrations of these earlier Skylark variants (see: [http://fuseurop.univ-perp.fr/skylar\\_e.htm](http://fuseurop.univ-perp.fr/skylar_e.htm)), as does "Gunter's Space Page" (see: [http://space.skyrocket.de/doc\\_lau/skylark\\_cuckoo.htm](http://space.skyrocket.de/doc_lau/skylark_cuckoo.htm), [http://space.skyrocket.de/doc\\_lau/skylark\\_goldfinch.htm](http://space.skyrocket.de/doc_lau/skylark_goldfinch.htm), and [http://space.skyrocket.de/doc\\_lau/skylark\\_raven.htm](http://space.skyrocket.de/doc_lau/skylark_raven.htm)). There was also a "mini-Skylark," the Skylark 10A (also called the Meadowlark), which used a Goldfinch first stage and a (narrower) Gosling rocket motor as the second stage.

The Goldfinch-boosted Skylark variants, in particular, might make competitive Scale Altitude models. A high-thrust/short-burn motor in the model's (finless!) Goldfinch first stage would quickly accelerate the pencil-like Raven second stage, which could use a low-thrust/long-burn motor for maximum efficiency. The Skylark 10A (Meadowlark) might also be a good Scale Altitude contest scale subject. Diversity...that is what is good for Scale modelling and Space Modelling generally...Skylark just another prototype.

### Liepaja Cup 2011...8-10 July

'11 ~ Liepaja-LAT by Srdjan Pelagic

**CONGRATULATIONS** to Arnis Baca, *Latvian Sports Union* and the *Liepaja Youth Technical Art Centre* for the very successful organisation of this prestigious World Cup. Congratulations are offered to all medal winners and indeed to all who attended this very fine event. Latvia, Belarus, Estonia, Lithuania, Poland, Slovakia and Slovenia sent teams to what will be remembered as one of the very best World Cups of 2011.

It is very apparent that participation in "northern" countries is much higher than observed in any other part of the globe where we host our Space Modelling World Cups. Could the rest of the World "copy - paste" some of Latvian and/or Polish experiences? Podiums:

#### **S4A-Boost Glider World Cup (24 starters)**

1 Aurimas PETKEVIUS	LTU 150 167 180 = 497s
2 Vaclav KRUTA	CZE 180 102 180 = 462s
3 Maksim TIMOFEJEV	LTU 157 65 180 = 412s

#### **S6A-Streamer Duration World Cup (35 starters)**

1 Inese KRASOVSKA	LAT 180 70 180 = 430s
2 Mykolas TREIKAUSKAS	LTU 165 120 124 = 409s
3 Eugenius GUOBYS	LTU 78 111 180 = 369s

#### **S7-Scale World Cup (17 starters)**

1 Wojciech KRZYWINSKI	POL Ariane 3 V17 751 + 147 = 898pts
2 Bedrich PAVKA	CZE Ariane 44LP V99 761 + 92 = 853pts
3 Jurgis STRAZDAS	LTU Little Joe 2-A-001 558 + 80 = 638pts

What a haul! Prototypes featured included, *Arianes*, *Little Joe*, *Taurus Tomahawk*, *Maxus*, *Kosmos 3M*, *Meteor 1*, *Nike Cajun*, *Jupiter-C*, *MMR-06*, *Nike Smoke*, *MIM Patriot*, *Gird-X* and *ZURV-601P*. Ooh la la!

#### **S9A-Gyrocopter World Cup (30 starters)**

1 Lauris PUMPURS	LAT 180 132 180 = 492s
2 Mykolas TREIKAUSKAS	LTU 120 180 180 = 480s
3 Maksim TIMOFEJEV	LTU 114 180 180 = 474s

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### **S8E/P-RC Rocket Glider World Cup (15 starters)**

1 Mitija ZGAJNER	SLO	976 1000 1000 + 989 = 3965pts
2 Damantas GLIEBUS	LTU	858 1000 1000 + 1000 = 3858pts
3 Wojciech BOBROWSKI	POL	979 775 961 + 980 = 3695pts

**This was a beauty! FAI Jury was Lubomir Jurek (SVK), Andrius Bukauskas (LTU) and Vera Pavkova (CZE), ably backed up by CD Indra Bunka and RSO Jan 'Mr Zero' Maixner (SVK). The S7-Scale judges – Zigmunt Janecky (POL), Tanas Erslavas (LTU) and Aleksandras Timofejas (LTU) were kept very busy with about the most diverse hall in several seasons.**

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### **Sava River Tour part 1... 10<sup>th</sup> Anniversary Belgrade Cup ~ 16-17 July 2011 by the Editor**

**SAVA CRUISE...rivers Sava and Danube form a confluence to the north of Belgrade, with Zemun on the former's left bank. Aero Klub 'Franjo Kluz' Zemun is based here, with a remit to set up another successful World Cup event at the nearby airfield of Lisicji Jarak. Before that, your reporter flew into Belgrade's Nikola Tesla Airport to be greeted by Franjo Kluz' legend, Zivan Josipovic and Macedonians Stanisa Petrovic & Georgi Georgieski and ferried to Stara Pazova to be shown round Miroslav Stancevic' – a prominent Serb entrepreneur – latest business enterprise.**

**The 10<sup>th</sup> Belgrade Cup promised to be good, with a startlist from Srbija, Croatia, Slovenia, Bulgaria and Macedonia. Loggi arrived for a chill out, but was then given a badge inscribed 'FAI Jury president' and suddenly needed to focus.. What happened?!?**

### **S4A-Boost Glider World Cup**

Sun up Saturday am...Celsius up moments later, shortly followed by S4A-Boost Glider! Slovenians Marian & Uros Jenko arrived late...only just in time to start Round 1, but frenetic preparations did for them, in what is usually their strongest discipline. Other strong players included Tomislav Krajinovic (CRO), Boris Lekov (BUL), and Miodrag & Vladimir Cipic (SRB), but widespread flight irregularities paved the way for Zika Josipovic, Djordje Vukasinovic and Luka Volarevic to smelt the metal for Srbija. Good podium:

1 Zika JOSIPOVIC	SRB	103 139 180 = 422s
2 Djordje VUKASINOVIC	SRB	25 180 180 = 385s
3 Luka VOLAREVIC	SRB	121 180 53 = 303s

### **S6A-Streamer Duration World Cup**

Better...much much better, as twenty five hopefuls went to the rampa to contest this classic. The Sun now at full wattage and thermal activity rife, meaning big scores would be needed to sneak a peek at the top-3. Big players looked like Miroslav Stancevic, Nemanja Lekic, Zika Josipovic & Miroslav Petrovic (all SRB); Plamen Jordanov & Angel Conev (both BUL); Marian & Uros Jenko (both SLO), but who could tell. The air proved harder to read than it seemed and consistency once more key to a podium slot. Plamen Jordanov upholding Bulgaria's tradition in this most fundamental of duration classes and two more medals for junior Luka Volarevic & Zika Josipovic:

1 Plamen JORDANOV	BUL	112 180 148 = 440s
2 Luka VOLAREVIC	SRB	165 180 91 = 436s
3 Zika JOSIPOVIC	SRB	144 180 98 = 422s

### **S9A-Gyrocopter Duration World Cup**

Where would this one go? ...Gyrocopter left us all in a spin!?! Good startlist and the scoring from the off was stellar. Plamen Jordanov (BUL) and Delorija Dehelian (SRB) and Marian Jenko (SLO) flattered to deceive, looking at the podium after two rounds, but lost it all with last round Zeros! The flying standard ebbed and flowed leaving Tomislav Erdeg & Zika Josipovic (both SRB) and Boris Lekov (BUL) with the metal in an event that was a bit more patchy – just too many Zeros - than it should have been:

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1 Tomislav ERDEG SRB 180 180 180 = 540s  
2 Zika JOSIPOVIC SRB 180 180 150 = 510s  
3 Boris LEKOV BUL 180 145 175 = 500s

### **S7-Scale World Cup**

Good one! Fifteen starters laid down their loved ones for checking out and judges Stanisa Petrovic, Nikola Cvjeticanin & Miodrag Cipcic moved in for scrutiny. But had their work cut out, judging in a darkened room! AK 'Franjo Kluz' Zemun featured a strong junior entry – all flying near-identical *MIM-104 Patriot* prototypes, the best of these by Luka Volarevic, Mihailo Petrovic and Djordje Vukasinovic. Seniors joining the '*Patriot club*' included Branka Stancevic and Goran Timotijevic (all SRB). Naturally *Arianes* featured – by Vladimir Cipcic and Dejan Stancevic, plus *Saturn 1Bs* too – by Zika Josipovic and Miroslav Stancevic (all SRB). Darko & Tomislav Krajinovic (both CRO) looked to break the Serb monopoly with tasty *Nike Tomahawks*. Static scoring was close and the qualification flights would be key to the results.

Bit of an anticlimax. Big players, Stancevic, Josipovic and Cipcic 'played safe' with single stage boosts – obviously with August's European Championships in mind and did just enough. A big plus for Srbija were sound junior performances by Delorija Dehelian, Luka Volarevic and Mihailo Petrovic...the Future. So yet more Gold for Zika Josipovic, ably backed by Miro Stancevic and Vlada 'Chirpy' Cipcic:

1 Zika JOSIPOVIC SRB *Saturn 1B 205*  
745 + 75 = 820pt  
2 Miroslav STANCEVIC SRB *Saturn 1B 205*  
712 + 65 = 777pt  
3 Vladimir CIPCIC SRB *Ariane 1*  
670 + 80 = 750pt

### **S8E/P-RC Rocket Glider Spot Landing World Cup**

Poor! World Cups should feature more than three starters in any class. Reasons were unclear, but the unhappy trends observed at many events in 2011 were repeated at Belgrade. Vlada Cipcic, Angel Conev and Nikolay Peycev did their best to impress, but this was pretty warm beer really. Podium:

1 Vladimir CIPCIC SRB  
896 1000 957 + 1000 = 3853pt  
2 Angel CONEV BUL  
808 803 1000 + 947 = 3588pt  
3 Nikolay PEYCEV BUL  
1000 890 DQ + 988 = 2878pt

**Sava Soujourn...** Good one, leaving the FAI Jury of Stuart Lodge, Srdjan Pelagic, Andija Ducak and Jordan Kovacevic little to do but sign off the scoresheets. Great to see a sizable haul of S7-Scale models for Stanisa Petrovic, Nikola Cvjeticanin and Miodrag Cipcic to run the rule over. Less good was the need to judge these models in the dark! ..photons in the bar of *aerodrom Lisicji Jarak* seriously lacking.. Throughout the weekend, Range Safety Officer, Georgi Georgieski from Macedonia ran the show with confident aplomb. Socially brilliant, the banquet in the same darkened place where the S7-Scale models were judged, with the food and conviviality just marvellous.

Super then... *Vazduhoplovni savez Srbije* is very lucky indeed to have this level of support around Belgrade. Marvellous also to share airspace with other airport activities over the World Cup weekend; gliding, parachuting/skydiving and general light aviation. Cooperation makes life super. Big Thank You to Zika Josipovic and all at AK 'Franjo Kluz' Zemun and well done to Labud Bulatovic – former mayor of Belgrade - and *Vazduhoplovni savez Srbije*. Thanks to Niko Cvjeticanin for the use of his apartment during the weekend. Definitely worth coming.

**Sava tour?!?** Post-World Cup, your scribe spent two more days in and around Belgrade, even indulging a riverboat cruise up the Sava and into the Danube; very therapeutic, but very hot too! What's next? ..Sava tour 2 is the 1<sup>st</sup> *Fenix Cup*, in Vincovci, Croatia, 10-11 September; Sava tour 3 the 33<sup>rd</sup> *Ljubljana Cup*, 14-16 October.

[*Aviation Modeller International* will report this one soon]

**Balkan readers might like to go to:**

[http://www.vss.rs/index.php?option=com\\_content&ask=view&id=624&Itemid=119](http://www.vss.rs/index.php?option=com_content&ask=view&id=624&Itemid=119)

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**Zielona Gora Cup 2011...22-24**

*July '11 ~ Przylep-POL: Leszek Malmyga lays on a great one!*

**CONGRATULATIONS** to Leszek Malmyga and his associates for their very successful organisation of this fine and classical event. *'Fine and classical'!* ...**MASSIVE** is a better word, following hot on the heel of Krakow, this was the biggest World Cup of 2011 thus far. Competitors from Poland, Germany, Slovenia, Slovakia, Latvia & Lithuania. Podiums:

**S4A-Boost Glider World Cup (46 starters)**

1 Wladislav STAROBRAT POL 79 180 180 = 439s  
2 Aurimas PETKEVICIUS LTU 85 141 134 = 360s  
3 Krzysztof PRZYBYTEK POL 126 55 169 = 350s

**S6A-Streamer Duration World Cup (62 starters)**

1 Pawel BUZANOWSKI POL 103 58 180 = 418s  
2 Bedrich PAVKA CZE 158 99 156 = 413s  
3 Wojciech BLACHUT POL 180 124 111 = 380s

**S9A-Gyrocopter World Cup (57 starters)**

1 Maksim TIMOFEEV LTU 103 180 180 = 463s  
2 Jiri THEIMER CZE 158 99 156 = 413s  
3 Jan CHMELIK CZE 106 124 172 = 402s

**S7-Scale World Cup (16 starters)**

1 Wojciech KRZYWINSKI POL *Ariane 3 V72*  
714 + 122 = 836pts  
2 Jan SEBESTA CZE *Sonda S1-2*  
666 + 156 = 822pts  
3 Marek PAVKA CZE *Ariane 44LP*  
720 + 95 = 815pts

*Taurus Tomahawks, Maxus, Meteor 133C, Viking 10, Saturn 1B, Eridan, Nike Smoke...super hall!*

**S8E/P-RC Rocket Glider World Cup (16 starters)**

1 Mitija ZGAJNER SLO  
960 986 1000 + 873 = 3819pts  
2 Zbgniek KRAMEK CZE  
801 964 963 + 1000 = 3728pts  
3 Peter MATUSKA SVK  
1000 1000 893 + 824 = 3717pts

**S8D-RC Rocket Glider Junior Open International**

1 Artur SZWED POL 292 360 276 = 898s  
2 Mitija ZGAJNER SLO 215 287 300 = 862s  
3 Eryk JASZKIM POL 227 340 291 = 858s

FAI Jury comprised Jerzy Siatkowski (POL), Vera Pavkova (CZE) & Lubomir Jurek (SVK). Scale Judges were Tibor Gira (SVK), Arnis Baca (LAT) & Andrzej Pikosz (POL) & Marcin Bielecky (POL). Well done to CD, Jerzy Boniecky and Event manager, Leszek Malmyga. Put this one in the diary for 2012!

Check out S8E/P-RC Rocket Glider World Cups...Slovenia's Mitija Zgajner is the high spot of a mediocre campaign so far – normally scored Gold and never off the podium. Looking good for the overall World Cup and a hot tip for the European Championships in Romania, during August.

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**Impulse Cup 2011...22-25 July**  
*'11 ~ Shostka-UKR*

**ANOTHER** good one from Eastern Ukraine! Juriy Hapon brings us up to date. Well done *Impulse*, the Energy company that sponsors this event. Come to the England *Impulse* and sort out *our* energy problems! First up though let's see some action from the World Cup..

**S6A-Streamer Duration World Cup (26 starters)**

1 Nikolay TSIGANKOV RUS 111 98 155 = 364s  
2 Evhen REDKO UKR 108 102 141 = 351s  
3 Vladimir MENSHIKOV RUS 113 117 97 = 327s

**S4A-Boost Glider World Cup (29 starters)**

1 Vlatislav BILOUS UKR 158 180 178 = 516s  
2 Nikolay TSIGANKOV RUS 180 172 119 = 471s  
3 Larisa IVANOVA RUS 90 180 180 = 450s

**S9A-Gyrocopter World Cup (23 starters)**

1 Gennady POLTAVETS RUS 180 143 180 = 503s  
2 Vladimir MINKEVICH BLR 156 179 96 = 431s  
3 Andriy PETRENKO UKR 90 149 180 = 419s

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### S7-Scale World Cup (15 starters)

1 Vladimir MENSHIKOV	RUS	<i>Soyuz TM</i>	783 + 150 = 933pts
2 Roman KHOROSH	RUS	<i>Taurus Tomahawk</i>	666 + 101 = 767pts
3 Denis TKACHENKO	RUS	<i>Taurus Tomahawk</i>	670 + 94 = 764pts

### S8E/P-RC Rocket Glider World Cup (10 starters)

1 Grigoriy SERGEENKO	UKR	1000 978	960+973 = 3911pts
2 Denis TGACHENKO	RUS	1000 1000	950+947 = 3897pts
3 Aleksandr KRAVCHENKO	RUS	960 989	1000+910 = 3859pts

FAI Jury – Alexei Koriapin (RUS), Vladimir Minakov (RUS), Oleksandr Lipetskiy, Ion Matveichuk (MDV). Hey, who judged S7-Scale then???

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## Yangel Cup 2011...26-29 July

'11 ~ Дніпропетровск-UKR

UKRAINE never content to take it easy! Check out this World Cup, on the back of Shostka. The *Rocket Modelling Federation of Ukraine* was on overtime! For your information, *Dnepropetrovsk*, with 15 letters, is the longest place name on the World Cup circuit! Some of the longest flight times too!

### S4A-Boost Glider World Cup (25 starters)

1 Vladimir MENSHIKOV	RUS	180 180	135 = 495s
2 Oleksandr GOLOVIN	UKR	119 180	122 = 421s
3 Valery HRABOUSKI	BLR	98 120	180 = 398s

### S6A-Streamer Duration World Cup (27 starters)

1 Vladimir MENSHIKOV	RUS	123 116	120 = 359s
2 Gennady POLTAVETS	RUS	126 100	93 = 319s
3 Oleksandr LASHKO	UKR	89 82	97 = 268s

### S9A-Gyrocopter World Cup (25 starters)

1 Mikita SUHANOV	RUS	141 180	145 = 466s
2 Vladimir MINKEVICH	BLR	145 137	136 = 418s
3 Sergei ROMANYUK	BLR	180 180	49 = 409s

### S7-Scale World Cup (15 starters)

1 Stepan IVCHENKO	UKR	<i>Trailblazer-11F</i>	627 + 154 = 781pts
2 Denis PREDANIKOV	UKR	<i>Trailblazer-11F</i>	618 + 135 = 753pts
3 Dmitro TROHIMENKO	UKR	<i>Saturn 1B</i>	710 + CE = 710pts

Goodish hall, which included *Taurus Tomahawks*, *Maxus*, *Meteor 133C*, *Viking 10*, *Saturn 1B*, *Eridan*, *Nike Smoke* + podium stuff.

### S8E/P-RC Rocket Glider World Cup (9 starters)

1 Alexei KORIAPIN	RUS	1000 965	1000 + 1000 = 3965pts
2 Sergei BOLSHANOV	RUS	966 993	787 + 746 = 3492pts
3 Oleg GAKHOV	UKR	769 1000	744 + 878 = 3391pts

Another little beauty. Competitors from Belarus, Ukraine, Russia and Kazakhstan slugged out a pretty high standard event. Thanks are due to CD Ludmilla Volkova; Sports Director, Sergey Bondarenko; RSOs, Andrey Baushev & Denis Khmil. The FAI Jury comprised Alexei Koriapin (RUS), Vladimir Minakov (RUS), Igor Volkanov (UKR) + Denis Khmil (UKR-reserve), backed up by S7-Scale Judges, Oleksandr Pogrebnyak (UKR), Oleksandr Gerasimenko (UKR) and Viktor Kovalev (RUS). Awesome!

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## Space Modelling on FAI's website!... Check it out with Srdjan Pelagic..

**SUPER!!** FAI has granted Space Modelling more 'space' on its webpage. Over to Srdjan Pelagic..

*"It is my pleasure to inform you that thanks to an excellent cooperation with Faustine Carrera, FAI Communications Manager, Space Modelling's blog*

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*has once again become really informative and up to date. Check out what we've achieved" :*

<http://www.fai.org/aeromodelling/space>

*"This represents just a beginning. I ask you to look hard at the Space Modelling blog and its content and send me your comments and suggestions".*

*"Coming soon will be a regular presentation of the results, jury reports and podiums at Space Modelling World Cup events and also information about everything of importance for Space Modellers."*

*"I believe I speak on behalf of all of you, when I say: 'Many thanks Faustine Carrera for helping Space Modellers to have their informative blog on FAI's website once more'. At the time of writing, the 'page is lacking illustration and colour, but this will soon be put right and at that stage it'll be Great!"*

*"No doubt you all remember our talks about the future development of Space Modelling. Now, once more, we have a separate page dedicated to our SAPHIRE Space Models' Development Program. Your contributions are also expected".*

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## **Our Future... in our own hands...or someone else's!?!**

by the Editor

**"Dr JOHN GRUBBSTROM, the FAI President, at the CIAM Plenary Meeting in Lausanne, on 14<sup>th</sup> April, 2011, pointed out that just eight FAI Airsports are spectator & media friendly. But then stressed that all our activities should be combined so to contribute to progress and better financing of Airsports generally. This will require changes in our habits, work, organisation of our events and...Rules. It is likely that World/Continental Championships of two or more Airsports will be combined, so to make our activity more visible, attractive and profitable. In any case, our events must become more dynamic, less time consuming and understandable to the public et al."**

You've read those words before, in the last interspace.. The 13<sup>th</sup> European Space Modelling Championships takes place during the week 20-27 August 2011 and the Space Models sub-Committee will thrash out this very crucial issue.

Come to the table with a commitment to see Space Modelling change in some fundamental ways. Come to the table with some novel – and practical – ideas. Come to the table understanding that *if we do not shape our own destiny, someone else will...*and it will be worse. Give some thought to which other Airsport discipline Space Modelling might be paired with...for instance, I don't think it would pair well with full-size Hot Air Ballooning! Also, think of the implications if we had to host Major Championships in countries outside the accepted norms...other Airsports are not necessarily focused in these lands.

In some ways this is a bad time to make big changes. Space Modelling has increased its participation year on year, for as long as I can remember. We have never been afraid to make dynamic changes to model specifications, most of which have resulted in positive improvements. Never enough – agreed - but we seem to attract significantly more young people than other FAI-CIAM disciplines. We have got more right than wrong and yet, once more we are posed with bigger challenges from the mandarins at FAI. Let's go for it!! It's a regret I won't be in Romania for this meeting, but sure that Srdjan Pelagic will Chair the meeting with flair and vigour.

Just a thought...it's been quoted that Space Modelling bores spectators to tears. Do we not think that a talented and informed *Commentator* could copy the spectators into what's happening out on the rampa? Traditional sports, like *Discus & Javelin* throwing, *Long & Triple Jump*, *Shot Putt* etc. are all pretty boring really, but come over well on TV, because commentators and analysts make things understandable and interesting for uncommitted spectators. How much better would a World/Continental Championships, or World Cup be, if there was more than just the RSO's countdowns, OKs and DQs. Think about it.

# interspace..



*The Journal of FAI Space Modelling*  
**The British Space Modelling Association**

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**FAI Awards... Space**  
*Modellers on the podium*

by Srdjan Pelagic & the Editor

**FANTASTIC** it is, when Space Modellers are recognised by FAI for their achievements and contributions. Three big players find themselves in the limelight and as Editor, I apologise for not featuring them on the front page of this issue, but the news came in just as the publication date dawned. Over to Srdjan Pelagic..

“It is my pleasure and pride to inform you that the FAI Vice-Presidents voted on nominations for FAI Awards for achievements and contributions, in 2010 and *three* space modellers are honoured. This information was released by the FAI Office mid-August..“

**FAI ANTONOV AEROMODELLING  
DIPLOMA**

**Leszek Szwed – Poland.** *For a definitive contribution to the development of Space Modelling by introducing Electronic Altimeters into official FAI events, resulting in the revitalisation of Altitude classes S1-Altitude and S5-Scale Altitude.*

**PAUL TISSANDIER DIPLOMA ~ 1**

**Nikola Cvjeticanin – Serbia.** *For his contribution to development of Scale Model classes S5-Scale Altitude and S7-Scale, as a sportsman, scale model designer and S5/S7 judge. He has been an FAI S5/S7 judge, or chief judge, in all Space Modelling World and European*

*Championships from 2002, until the present day – 2007 the sole exception. He has taught and inspired dozens of embryonic scale modellers in his own country and abroad.*

**PAUL TISSANDIER DIPLOMA ~ 2**

**Stanisa Petrovic – FYR of Macedonia.**

*The most successful airsportsman of all Macedonia. Medallist at many World and Continental Championships and member/team leader of his country's NAC team for many years. Although a young man, he is a dynamic teacher of many Space Modellers in his own country. He gains further merits for his many achievements at his local Aero Klub Stip in other Airports too.*

“These aforementioned persons will receive their prizes at the Opening Ceremony of the 105th FAI General Conference to be organised in Hotel Continental in Belgrade (Serbia), on 13th October, 2011 late in the afternoon. Their awards make the whole Space Modelling community proud!”

**Editor's note..** OO LA LA!! Three Space Modellers in a single year getting FAI Awards...can't remember when that happened before. *Leszek Szwed* is responsible for bringing our Altitude classes into the 21<sup>st</sup> Century...super. *Stanisa Petrovic* is just an icon in Macedonia and responsible for so much of what they've achieved...you don't tend to associate Macedonia with Space Rockets! *Nikola Cvjeticanin* - Никола Свјетицанин – a legend amongst scale judges and has cast his critical eye over the Editor's stuff so very often. We have also judged together at European and World Championships, plus a couple of World Cups...no one better, trust me!

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**Hunky Dory...** *that's  
enough this time!*

**Y**ET ANOTHER massive issue of interspace.. !

We'll stop here, with the 13<sup>th</sup> European Space Modelling Championships, in Romania, just a moment away. No doubt this event will get star billing next time around. What have we got then...

**Birthdays** – is Jerry Gregorek really 80?!? ...is your Editor really 60 (7<sup>th</sup> August '11)?!?

**Skylarks** - Well Done, Jason Wentworth – becoming one of interspace..'s most prolific contributors. Very many thanks.

**World Cups** - 'til they come out of your ears! Well done, event organisers throughout 'Space World'.

**FAI Awards...** Leszek Szwed, Nikola Cvjeticanin and Stanisa Petrovic...FANTASTIC! And ...

**OUR FUTURE!** – ..remember, it is up to us to guarantee the prosperity of global Space Modelling. Be sure to attend the meeting with Srdjan Pelagic in Romania.

Meanwhile, I will look out some more photographs for Space Modelling's 'media-friendliness' on the FAI webpage. Well done, Faustine Carrera ~  
Communications Manager of FAI, we all love you!

And finally...this is interspace.. issue number 74. That means the next issue will have the words

*JUBILEE* and *DIAMOND* in the title... **75!?!**

ooooooOoooooo

**interspace..**