



Second International Conference

Advanced Space Technologies for Humankind Prosperity

April 15-17, 2009
Dnepropetrovsk, Ukraine

Second Information Announcement

Venue:
Palace of Students,
Shevchenko Park, Dnepropetrovsk, 49027, Ukraine

Organized by:
Ukrainian Regional Division of IAA, Dnepropetrovsk
National Space Agency of Ukraine, Kiev
Yuzhnoye State Design Office, Dnepropetrovsk
SE PA Yuzhny Machine Building Plant, Dnepropetrovsk
Dnepropetrovsk National University, Dnepropetrovsk

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Technical Sessions:

Session 1. Current and Future Space Launch Systems, Launch Vehicles, Their Components and Systems

- analysis of technical solutions for current and future space launch systems and launch vehicles, including expendable and reusable launch vehicles;
- analysis of present-day trends of launch services global market development;
- analysis of technical solutions for launch vehicles critical subsystems (control, thermostating, power-supply systems);
- Integrated launch vehicle (ILV) assemblies testing methods and facilities (test-bench facilities, monitoring real time computer systems, measurement and control of test equipment and pilot designs);
- optimal reliability provision for LV and launch complex;
- development of antiasteroid protection of the Earth;
- radioactive waste space disposal;
- near-Earth space disposal of anthropogenic wastes.

Chairman: *Alexander Mashchenko* – IAA academician, First Deputy General Designer - First Deputy General Director, Yuzhnoye SDO, Ukraine.

Coordinators: *Alexander Kushnarev* – Head of Space Launch Systems Design Department, Yuzhnoye SDO Ukraine,
Konstantin Bezruchko – Vice-Chancellor of Kharkov Aviation Institute, Ukraine,
Guy Ramusat - European Space Agency, Paris, France.

Secretary: *Alexander Berdnik* – Group Leader, Yuzhnoye SDO Ukraine.

Session 2. Current and Future Space Satellite Systems

- technical configuration of current satellites and spacecraft;
- onboard and ground support systems for data acquisition, spacecraft control and testing;
- space missions and technologies for Earth environment data acquisition;
- space communication technologies and systems, including fixed and mobile satellite communication, TV- and broadcasting, fixed and broadband interactive-multimedia satellite services;

- scientific missions to research in the field of Earth sciences, astronomy and astrophysics, fundamental physics and astrophysics;
- current and future navigation systems.

Chairman: **Alexander Makarov** – IAA academician, Chief Designer of Spacecraft, Yuzhnoye SDO, Ukraine.

Coordinators: **Yuriy Shovkopyas** – Deputy Chief Designer, Yuzhnoye SDO, Ukraine,
Valery Korepanov – IAA academician, Director of Lvov Center of Space Research Institute of NASU-NSAU, Ukraine,
Sergey Zolotoy – Director of “Geoinformation systems” unitary enterprise, Republic of Belarus.

Secretary: **Igor Pyatak** – Group Leader, Yuzhnoye SDO, Ukraine.

Session 3. Future Rocket Engines and Propulsion Systems

- technological solutions used to develop current liquid, solid-propellant, hybrid and electrical rocket propulsion systems, installed in expendable and reusable launch vehicles and spacecraft;
- future propulsion systems for launchers.

Chairman: **Vladimir Shnyakin** – IAA academician, Head of Propulsion System Designer of Spacecraft, Yuzhnoye SDO, Ukraine.

Coordinators: **Leonid Usatyuk** – Deputy Chief Designer, Yuzhnoye SDO, Ukraine,
Anatoly Kirichenko – Deputy Chief Designer, Yuzhnoye SDO, Ukraine,
Lyudmila Pron’ – Head of Department of Propulsion Engineering, professor, Dniepropetrovsk National University, Ukraine,
Alexander Gaidachuk – Head of department of Propulsion Engineering, Kharkov Aviation Institute, Ukraine.

Secretary: **Roman Marchan** – Head of Sector, Yuzhnoye SDO, Ukraine.

Session 4. Materials and Technologies

- recent technologies and advanced studies on new materials and structures used for expendable and reusable space transportation systems and spacecraft, as well as methods of their construction;

- new rocket and space materials and technologies quality assessment techniques;
- space-rocketry nanotechnologies.

Chairman: **Alexander Potapov** – Head of Perspective Materials and Technologies Complex, Yuzhnoye SDO, Ukraine.

Coordinators: **Yevgeny Djur** – IAA corresponding member, Head of Airborne Vehicles Production Technology Department of Applied Physics faculty, professor, Dnepropetrovsk National University, Ukraine,
Vasiliy Zevako – chairman of the board, Director of “UkrNIITM”, Ukraine,
Pavel Trivailo – Royal Melbourne Institute Technology, Australia.

Secretary: **Fyodor Televnoy** – Lead Research Engineer, Yuzhnoye SDO, Ukraine.

Session 5. Space for Humankind

- space exploration: political, economical and legal aspects;
- outer space exploration and international cooperation;
- impact of space activities on social and economic development and everyday life of society;
- methods and prospects of youth space education;
- remote designing and training via Internet.

Chairman: **Victor Perlick** – Deputy General Designer on Scientific Work, Professor, Yuzhnoye SDO, Ukraine.

Coordinators: **Jean-Michel Contant** – IAA General Secretary, France,
Tetsuo Yasaka – Kyushu University, Fukuoka, Japan;
Yuriy Shemshuchenko – Director, International center of Space law under NASU, Ukraine,
Alexander Novikov – Deputy General Director on Human Resources and Training, Director of Rocket and Space Training and Research Center, professor, Yuzhnoye SDO, Ukraine.

Secretary: **Nina Zyкова** – Head of Postgraduate Studies Department, Yuzhnoye SDO, Ukraine.

Registration Fee

Registration fee invoice shall be issued after application and abstract are received by the organizing committee (or only the application if no report is planned to be presented) via e-mail.

Copies of payment orders confirming the payment of registration fee should be faxed to + 38-(056)-770-01-25 (attention of T. Streltsova)

Registration fee covers publication of abstracts and conference program, meetings and social events organization and amounts to:

- for Ukrainian participants – 300 hrv. (including VAT) for participants and 150 hrv. (including VAT) for postgraduate students;
- for CIS participants – 1500 roubles and 750 roubles for postgraduate students;
- for foreign participants – 150 euro and 75 euro for postgraduate students.

Participation of students in the conference is free of charge.

Registration fee can be paid via the following payment methods:

- via bank transfer;
- by Visa or Master Card credit cards;
- by cash during registration on the spot (has to be pre-arranged with organization committee).

Payment details for registration fee to be paid in dollars

Correspondent bank: VTB BANK (DEUTSCHLAND) AG
SWIFT: OWHB DE FF
Frankfurt/ Main, Germany

Beneficiary's bank: acc. 0104296413
JSC BANK NOVIY
DNEPROPETROVSK, UKRAINE
SWIFT: NJSOUA2N

Beneficiary: acc. 26005300078506
YUZHNOYE STATE DESIGN OFFICE
DNEPROPETROVSK, UKRAINE

Payment details for registration fee to be paid in euro

Correspondent bank: VTB BANK (DEUTSCHLAND) AG
SWIFT: OWHB DE FF
Frankfurt/Main, Germany

Beneficiary's bank: acc. 0104296397
JSC BANK NOVIY
DNEPROPETROVSK, UKRAINE
SWIFT: NJSOUA2N

Beneficiary: acc. 26005300078506
YUZHNOYE STATE DESIGN OFFICE
DNEPROPETROVSK, UKRAINE

Purpose of payment: Registration fee for participation of (specify name) in the International conference «Advanced Technologies for Humankind Prosperity».

Conference program of events

April 15 2009.

8.30	-	10.30	-	Registration of conference participants (Palace of Students, Shevchenko park).
11.00	-	12.30	-	Opening Ceremony
12.30	-	13.00	-	Coffee break
13.00	-	14.30	-	Plenary (presentations by the invitees)
14.30	-	15.30	-	Lunch
15.30	-	17.00	-	Plenary (presentations by the invitees)
17.30			-	Welcome Reception

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8.30	-	9.30	-	Registration of conference participants continued
10.00	-	14.00	-	Technical Sessions interrupted by Coffee breaks
14.00	-	15.00	-	Lunch
15.30	-	18.00	-	Technical Sessions interrupted by Coffee breaks

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10.00	-	14.00	-	Visiting technical sites and facilities
14.00	-	14.30	-	Coffee break
14.30	-	16.30	-	Final plenary, summarizing conference outcomes, Closing Ceremony.

Request for booking accommodations in Dnepropetrovsk

Filling in the request for booking accommodations in Dnepropetrovsk hotels, please, specify the most appropriate option.

Your name: _____

Arrival date: _____ Departure date: _____

Hotel, room type: _____

Alternative _____

№	Hotel	Room type	Room rate
1.	<i>Ukraina</i> Hotel	Suite (2 rooms)	1800 hrv
		Single	660 hrv., 780 hrv., 1080 hrv.
		Twin	850 hrv.
		Suite (standard, 1 room)	1530 hrv.
		Semi-suite (standard)	1290 hrv.+10% per 2 persons
2.	<i>Astoria</i> Hotel	Suite (2 rooms)	984 hrv.
		Semi-suite (1 room)	708 hrv.
		Semi-suite (2 rooms)	780 hrv.
3.	<i>Nadezhda</i> Hotel	Suite (1 room)	780 hrv.
		Suite (2 rooms)	750 hrv.
4.	<i>Rassvet</i> Hotel	Suite	602 hrv., 561 hrv. (per person)
		Semi-suite (1 room)	381 hrv. (per person)
		Single	331 hrv
		Twin	386 hrv; 268 hrv
		Note: - 50% of rate is charged for requested booking per 1 st day - rate includes breakfast	

5.	<i>Zvezdnaya Hotel</i>	Suite (1 room)	300 hrv. (for Ukrainians) 600 hrv. (for foreigners)
		Standard	100 hrv. (for Ukrainians) 200 hrv. (for foreigners)
6.	<i>Yuzhnaya Hotel</i>	Suite (2 rooms)	600 hrv. for foreigners (meals are ordered: breakfast, lunch) 300 hrv.
		Suite (1 room)	600 hrv. for foreigners 300 hrv. for Ukrainians
		Standard	100 hrv. (for Ukrainian) 200 hrv. (for foreigners)
7.	<i>Dnepropetrovsk Hotel</i>	Suite (2 rooms)	570 hrv. * 510 hrv. **
		Single	430 hrv. * 370 hrv. **
		Twin	470 hrv. * 410 hrv. **
		Note: * - rate per first night ** - rate per following nights (rate includes breakfast)	
8.	<i>Sverdlovsk Hotel</i>	Suite (2 rooms)	390, 480 hrv. (rate includes breakfast)
		Single	198 hrv.
		Twin	276 hrv.

Accommodations can be paid in dollars, euro or RF roubles in equivalent to exchange rate established by National bank of Ukraine on the date of payment.

For further information contact:

Organizing committee:

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