



UN, UNESCO, International Astronomical Union Year of Astronomy in the World

**INTERNATIONAL CONGRESS “ASTRONOMY AND WORLD HERITAGE:
ACROSS TIME AND CONTINENTS”, 19 – 24 AUGUST, KAZAN , RUSSIA**

**USSR-Russia: The first artificial satellite on the Moon - 50 years !!!
USA: The first step of the Man on the Moon - 40 years !!!**

International Scientific Symposium

**The Moon, moons and planets: Robotic Explorations and Comparisons
August 22 - 26, 2009, Kazan State University, Russia**

FIRST ANNOUNCEMENT (Preliminary)

Introduction

On 20 December 2007, the 62nd General Assembly of United Nations proclaimed 2009 the International Year of Astronomy. UNESCO was designated as the lead agency and focal point for the Year. The UNESCO Thematic Initiative "Astronomy and World Heritage" contributes to the preparation of the International Year of Astronomy, and will provide an opportunity to raise public awareness, especially with young people, about the safeguarding of scientific heritage, and to enhance the links between science, education and culture. During the opening ceremony of the International Year of Astronomy, which took place on 15 January 2009, the Director-General of UNESCO officially launched the cycle of activities "Astronomy and World Heritage: across time and continents". One of the main activities of this cycle is the International Congress on "Astronomy and World Heritage: across time and continents" will be hosted by the Government of the Republic of Tatarstan, 19 – 24 Aug. 2009, Kazan, Russia (<http://www.astroheritage.ru>). In the framework of UNESCO Congress will be organized the Symposium “The Moon, moons & Planets”, August 22-26, 2009, Kazan University, Kazan, Russia

Welcome

Organizing Committees of the International Scientific Symposium “The Moon, moons and Planets” extend a warm welcome to all participants and their guests. We wish you a very pleasant stay in Kazan. The Conference is open to all scientists interested.

The Symposium will give a broad outlook of scientific areas: geometrical, analytical, qualitative, bifurcation and structure analysis of early and modern the Moon, Earth and planets on micro-, meso- and large scales; fundamental physics from ground and space, micro-arcsecond astrometry; physics, dynamics and chemistry of the Moon, moons and planets, geophysical budget of planetary rotation, resonance structure and geophysical rhythms, differential rotation, free core nutation, free libration, LOD, topography, gravitational and magnetic fields of the Moon, moons and planets, mascons, lunar and planet dichotomy; modern ground observations, space missions and future prospective: LLR, SELENE, Chang’e-I, Chandrayaan-I, LRO + LCROSS, Messenger, Fobos-Grunt, ILOM, Luna Glob, MoonLITE, ExoMars, LaRa, EJSM, TSSM, Europe lander.

International Scientific Symposium “The Moon, moons and Planets” hosted and organized by Kazan State University, Russian Ministry of Education and Science, Russian Foundation for Basic Research, Russian Academy of Sciences, Academy of Science of Tatarstan

General Description:

The International Scientific Symposium (ISS) “The Moon, moons and Planets” will be devoted to the bicentenary celebration of the Astronomy department of Kazan University (1810 yr). The Kazan State University is one of the oldest and largest institutes of higher learning in the Russia. It was founded on November 5, 1804. The history of Kazan University abounds in the names of outstanding scientists, staunch revolutionaries, eminent public figures, educators, painters actors. The history of the University is the history of Russian science, social thought and culture: N.I. Lobachevsky - the founder of non-Euclidean geometry (1826); N.N.Zinin obtained aniline (1842), K.K. Klauss - discoverer of ruthenium (1844), A.M. Butlerov propounded the theory of composition of organic compounds; I.M. Simonov discovered the Antarctic during the round-the-world expedition of 1819-1821 led by F.F. Belinsghausen and M.P. Lazarev. Prof. M. Kovalsky predicted the rotation of our Galaxy. Kazan University takes pride in its graduates the great Russian writer Leo Tolstoy, composer M.A. Balakirev, writers S.T. Aksakov, P.I. Mel'nikov-Pechersky and Velimir Khlebnikov. Researchers who brought fame to Kazan university in the post-Second World War years were E. Zavoisky (physics), A. Arbuzov and G. Kamai (chemistry), N. Chetaev (engineering) and N. Chebotarev (mathematics).

A new scientific trends were started by Prof. A.Z. Petrov, who classified Einstein spaces by the structure of the curvature tensor, by Prof. S.A. Altshuller, Prof. V.M. Kozyrev who discovered nuclear-magnetic resonance, by Prof. Sh.T. Khabibullin, who developed the non-linear theory of Lunar Physical Libration. The telescope purchased by Lobachevsky is still used in the University Observatory, where worked the brilliant astronomer I.Simonov. From 1819 to 1821 he took part in the round-the-world Antarctic expedition of F.Bellinsgausen and M.Lazarev and became the first climatologist of Antarctica.

International Advisor Committee:

Nourgaliev D.- Vice-Rector of Kazan Univ, Russia *

Abalakin V. – Pulkovo Observatory, RAS, Russia

Boss A. – Carnegie Institute, USA

Chen D. – Purple Mountain Observatory, China

Dehant V. - Royal Observatory, Belgium

Efroimsky M.- US Naval Observatory, USA

Emel'yanov V. – SAI, Moscow University, Russia

Ferrandiz J. – Universidad de Alicante, Spain

Ferraz-Mello S. – Univ. de Sao Paulo, Brazil

Foing B. – ESA, EU

Galimov E. – GEOKHI RAS, Moscow, Russia

Goswami J. – ISRO, India

Kawano N. – NAOJ, Mizusawa, Japan

Marov M. - GEOKHI RAS, Moscow, Russia *

Peale S. – Univ. California at Santa Barbara, USA

Sasaki S. - NAOJ, Japan

Schubert G. – UCLA, Los Angeles, USA

Williams J. – JPL, USA

Williams I. – Queen Mary, Univ. of London, UK

Zelenyi L. – IRI RAS, Moscow, Russia

Zharkov V. – IFZ RAS, Moscow, Russia

Zuber M. - MTI, USA

Scientific Programme Committee:

Arlot J. - Observatoire de Paris, France

Avsyuk Yu. - IFZ RAS, Moscow, Russia

Barkin Yu. – SAI, Moscow, Russia *

Basiliveski A. - GEOKHI RAS, Russia-USA

Beletsky V. – KIAM RAS, Russia

Brumberg V. – IPA, S.-Petersburg, Russia

Getino J. – Universidad de Valladolid, Spain

Gusev A. – Kazan Univ., Russia *

Heki K. – Sapporo Univ., Japan

Hanada H - NAOJ, Japan

Kascheev R. – Kazan Univ., Russia*

Kopeikin S. - University of Missouri, USA

Kholshevnikov K. – S-Petersburg Univ, Russia

Kuskov O. - GEOKHI RAS, Russia

Ksanfomality L. – IRI RAS, Russia

Markov Yu. – MAI, Russia*

Nefed'ev Yu. – EAO, Kazan Univ., Russia *

Ping J. – Shanghai AO, China

Shevchenko V. - SAI, Moscow Univ. Russia*

Souchay J. – Observatoire de Paris, France

Sponh T. - DLR, Berlin, Germany

Van Hoolst T.- Royal Observatory, Belgium

* to be confirmed



Local Organizing Committee:

Nefed'ev Yura - Chairperson, Director of EAO , Kazan University, Russia
Kascheev Rafael - Co-chairperson, Astronomy Dept., Kazan University, Russia
Gusev Alexander - Co-chairperson, Geophysics Dept., Kazan University, Russia
Petrova Natalia - Executive Secretary, Astronomy Dept., Kazan University, Russia
Members: Naufal Rizvanov, Inga Dubyago, Margarita Kibardina, Mikhail Shpekin, Eduard Utemov
Leonid Rakhimov.

Scientific Contributions

Plenary review speakers: 1 hour, Invited speakers: 30 min.; Contributed talks: 15 min.; Poster presentation, Panel discussions, Resolutions and Recommendations. The official language of the Symposium is English, French, Russian, Spanish.

Proceedings

Proceedings of the Symposium will be published before the Symposium as a special extended Abstract Book (electronic format, PDF): Plenary review – 10 p., Invited report – 6 p., Contributed speaker - 3 p., Poster presentation – 2 pages.

Instruction for preparing of papers will be given in 2nd announcement. Text of reports must be received by the organizers by 1st July 2009 by e-mail Moon2009@mail.ru. Papers will be subject to refereeing by the SOC of Symposium.

Registration

PRE-REGISTRATION FORM

ISS "The Moon, moons and Planets

August 22 - 26, 2009, Kazan State University, Russia

On-line: <http://www.ksu.ru/Moon2009>

Surname, First name: _____

Postal address: _____

Telephone: _____

FAX: _____

e-mail address: _____

I will be accompanied by

Surname, First name: _____

I would like to present a paper

.... contributed talk

.... poster

Tentative title:

Name on badge (as you would like to have it)

Last Name _____ First Name _____

Please return of the pre-registration form to LOC by

on-line procedure: <http://www.ksu.ru/Moon-2009> or E-mail: Moon2009@mail.ru

Symposium Fee

The registration fee is 250 Euro, student - 120 Euro, accompanying person – 80 Euro, 900 rubles for CIS participants. The fee covers admission to Reception, opening Ceremony, Scientific Sessions, coffee breaks, Abstract Book, the complete set of the participant. The cost of the Symposium dinner is not included in this fee. Payment of the registration fee will be carried out at registration desk.

Symposium Location

The conference will be held in the magnificent and historic building of the Kazan University. The beautiful city Kazan, situated 800 km East from Moscow, is one of the most remarkable and ancient towns at the left bank of the greatest river Volga, Russia. The ancient monuments of Kazan together with its beauty and cultural and scientific atmosphere, made it historic centre as a Russian Treasure. Kazan, one of the biggest and most important cultural and industrial centres on the Volga River, referred to as "the port of five seas, with a population nearing 1.2 million made up of 77 different ethnic groups, is the capital of the Republic of Tatarstan.

Tatarstan is the most northern frontier between Muslim and Orthodox Christian worlds, a secular republic with stability based on a high percentage of mixed marriages, official support for two languages and cultural tolerance. As a transportation hub, Kazan serves a region encompassing over 80 million people.

Entry Visa to Russia

To visit Russia you must have a valid passport. The LOC will mail every participant an **official invitation letter** which will be sufficient to obtain a entry visa to Russia. According to the Russian legislation, it must be the Organizing Committee who applies for a visa for the participants of the Conference. Therefore please fill in and send us the **Application Visa Form** at your earliest convenience. The requests will be send by us to the Ministry of Foreign Affairs of Russia. then they send papers to a consulate (a particular one, so people should mention which one they prefer), then applicant send papers and photos to the consulate and receives a visa.

Application Visa Form will be given in 2nd announcement (15 April 2009).

Accommodation

The expected prices for most hotels will be from about 10 Euro (student hostel) to 100 Euro per night. Hotel reservations should be made before May 25, 2009. Complete hotel pricing and reservation information will be sent with the **Second Announcement** (15 April, 2009). Almost all accommodation is within walking distance from the Symposium site ("Tatarstan") and taxi, microbus, tram, trolleybus ("Korston", "Safar", "Regina", "Bulgar"). Reservations should be made through the conference organizers.

Travel

Kazan is located approximately 800 km east of Moscow, Russian capital. Getting to Russia by air:

On-line: Frankfurt am Main - Kazan, Istanbul – Kazan (international airport, 20 km from Kazan)

Non on-line: to Moscow, then to Kazan by air (45 min) or by express train "Tatarstan" Moscow - Kazan (10 hours), No. 1 which leaves Moscow at about 9.28 p.m. from Kazanskii Railway Station and arrives to Kazan at about 7.10 a.m.). The average temperature of August is 18-21⁰C.

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Kazan-Luna-2009

2009

Preliminary List of Sponsoring Organizations

Kazan State University, Russian Ministry of Education, Ministry of Industry, Science and Technology of the Russian Federation, Russian Academy of Sciences, Academy of Science of Tatarstan, Russian Foundation for Basic Research.

Cultural Programme and Social Events

There will be a number of social events: Evening Public lectures, Concerts of the cathedral chorus of the Raif's Cloister, the "La Primavera", the state ensemble of song and dance of the Republic of Tatarstan, the theatre of opera and ballet, the conservatory, fashion show: 'Melita' Co. and "Larisa" Agency and much more

Tours and Excursions

Tours and excursions to Moscow, St.-Petersburg, Gold Ring of Russia, Walking tour of the Kazan's downtown, Kremlin, Rows by boat on the river Volga to city of the Bolgar the Great (IX - XII centuries) and to Island Sviyazsk Russian fortress XVI century, Excursion in the Raif's Cloister, in the state museum of local lore, history, and economy, in the state art museum, in historical and special museums of Kazan University, the mosque of Margjany, St. Petropavlov's cathedral, the Lobachevsky scientific library, the Kazan state Circus, Zoo, Kazan Derby, auto track on the "High mountain", fishing, tourist travels by boats, bicycles and walk around Kazan etc. are available.

Deadlines and Important Dates

28 February 2009	First Announcement
15 April 2009	Second Announcement
25 May 2009	Hotel Reservation Form
25 May 2009	Receipt of Pre-Registration Forms
1 July 2009	Receipt of Abstracts
25 July 2009	Third Announcement
1 August 2009	Notification for Selected Contributed Talks and Poster Presentations by E-mail
22 - 26 Aug. 2009	Symposium sessions

Contact: ISS "The Moon, moons and Planets": August 22 - 26, 2009,
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International links

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