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Kazan-Luna-2009

2009



**UN, UNESCO, International Astronomical Union
"The International Year of Astronomy"**

**INTERNATIONAL ASTRONOMICAL CONGRESS
"ASTROKAZAN - 2009", 19 – 28 AUGUST 2009, 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 19 - 26, 2009, Kazan State University, Russia**

SECOND ANNOUNCEMENT: CALL FOR PAPERS, VISA, HOTEL ACCOMMODATION

Introduction One of the main activities of "The International Year of Astronomy" will be the international conference 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 the international astronomical congress "ASTROKAZAN-2009" will be organized the Symposium "The Moon, moons & Planets: Robotic Explorations and Comparisons", Aug. 19 - 26, 2009, Kazan University, 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 Symposium 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, Mars-Express, SMART-1, Messenger, Venus-Express, SELENE, Chang'e-I, Chandrayaan-I, LRO + LCROSS, Fobos-Grunt, ILOM, Luna Glob, MoonLITE, ILN, Bepi Colombo, 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. Klaus - 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.Bellingshausen and M.Lazarev and became the first climatologist of Antarctica.

International Advisory Committee:

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 Valeev S. – Ul'yanovsk Univ., Russia

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: Oleg Bel'kovich, Naufal Rizvanov, Inga Dubyago, Margarita Kibardina, Irina
 Kitiashvili, Dasha Khristoforova, Leonid Rakhimov, Mikhail Shpekin, Eduard Utemov, Renat
 Zagretdinov

Calendar of Events

Wednesday, 19 August 2009 **Opening Ceremony** will be held at the Assembly hall of the
 Kazan State University, main building, Kremlevskaya str., 18 at 3 p.m.

9.00–14.00	Registration
11.30–13.30	Walking tour of the downtown, visiting the Kazan University museum
13.30–15.00	Lunch
15:00–16:00	Welcome and Opening Address
16:00–17:00	Scientific Plenary Session
17:00–17:15	Photography
17:15–18.00	Coffee, tea, mineral water
18.00–19.00	Concert of classical and spiritual music
19.00–20.00	Reception

Standard Daily Schedule of Meetings and Time Table of Symposium

09.00–11.00	Plenary session
11.00–11.30	Coffee/tea break
11.30–12.30	Plenary session
12.30–14.00	Lunch
14.00–15.30	Symposium/Workshop sessions
15.30–16.00	Coffee/tea break
16.00–17.30	Symposium/Workshop sessions
18.30–21.00	Evening events

Scientific and Social Events

19 August	09.00 – 14.00	Registration, Excursions
19 August	15.00 – 19.00	Opening Ceremony, Photography, Music Concert
19 August	19.00 – 21.00	Reception
20 August	09.00 – 17.30	Scientific Student Program, Evening Public Lecture (7-8 p.m.)
21 August	09.00 – 17.30	Scientific Student Program, Evening Public Lecture (7-8 p.m.)
22 August	09.00 – 13.00	Scientific Student Program, excursion to EAO, Raif's Cloister (2 – 7. p.m.)
23 August	10.00 – 19.00	Row by Ship on the River Volga to Island Sviyazsk Russian Fortress XVI Century, Elabuga bus excursion
24 August	09.00 – 17.30	Scientific Program and Evening Public Lectures (7-8 p.m.)
25 August	09.00 – 18.00	Scientific Program, Raif's Cloister, excursion to EAO, (2-7.p.m.)
26 August	09.00 – 18.00	The Scientific Program, Discussion, Resolution of the Symposia, Closing, Farewell Party
27 August	09.00 – 18.00	Elabuga bus excursion.

List of plenary and invited speakers: Bernard Foing, Lev Zelenyi, Michail Marov, Hiroshi Araki,
 Yuri Barkin, Narendra Bhandari, Jose Ferrandiz, Juan Getino, Hideo Hanada, Shuanggen Jin,
 Konstantin Kholshchevnikov, Sergei Kopeikin, Oleg Kuskov, Yuri Markov, Koji Matsumoto,
 Noriyuki Namiki, Hirotomo Noda, Jinsong Ping, Sho Sasaki, Vladislav Shevchenko, Jean Souchay

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 pages (5Mb), Invited report – 6 pages (3Mb), Contributed speaker - 3 pages (2Mb), Poster presentation – 2 pages (1Mb). Text of reports must be received by the organizers until 1st July 2009 by e-mail: Moons2009@mail.ru.

Papers will be subject to refereeing by the SOC of Symposium.

Instruction for preparing of Manuscripts to the Extended Abstract Book

Symposium: **The Moon, moons and planets: Robotic Explorations and Comparisons**

Deadline for submission of Manuscripts is July 1, 2009

Replace this sentence with the title of your abstract

A. Aman (1,2), B. Bman (2) and C. Cman (1) – OR – A. Aman (1) and/or the Team-Name

(The proper way of using spaces and commas: A.<space>Aman<space>(1,2),<space>B.<space>Bman...; presenting author (if already known) shall be in bold (e.g. **B. Bman**); if there is only one affiliation, do not use any numbering (e.g. A. Aman, B. Bman and C. Cman))

(1) Institute of Applied Astronomy, St. Petersburg, Russia, (2) Kazan State University, Kazan, Russia

(your@address.com / Fax: +55-555-5555555)

(The proper way of using spaces and commas: (1)<space>Institute of Applied astronomy,<space>St. Petersburg; contact information must be always placed at the end of the affiliation list in the following format:

(your@adress.com<space>/<space>Fax:<space>....<space>))

Abstract

Please replace these instructions with the text of your abstract. The text will appear in one-two pages of paper size A4, 297mm (height) x 210mm (width). The page margins are as follows: 30mm (top), 20mm (bottom, right and left). If you are including tables or figures, they MUST be imported into this file.

The text will automatically wrap to a second page if necessary. The running head on the second page of this template has been eliminated intentionally.

Digital Formats

Any image file format that can be imported into this file will be acceptable for publication; to avoid technical problems; we suggest using TIFF (.tif) or GIF (.gif) files for photographs, and encapsulated PostScript (.eps) or Windows metafiles (.wmf) for line drawings. We ask that you use smaller-format files whenever possible (for example, do not use a 1-MB TIFF file if a 250-K GIF file provides acceptable resolution).

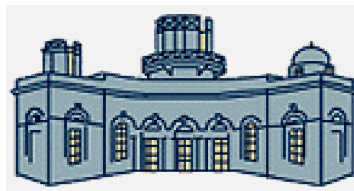


Fig. 1 is surrounded by text together with caption

Heading Styles

The section heads in this template use the correct style (upper and lower case, bold). The format for second-level heads is show below:

Sample of a level-two head

If you are using the spell checker and it does not seem to be working, check the “Language” option under the “Tools” to make sure that “No Proofing” is not selected as the default. You should also check that the default font is Times New Roman.

References

Use the brief numbered style common in many abstracts, e.g., [1], [2], etc. References should then appear in numerical order in the reference list, and should use the following abbreviated style:

- [1] Aman, A. and Bmann, B. (1997) *JGR*, 90, 1151–1154.
- [2] Aman, A. et al. (1993) *Trudy of the Kazan City Observatoy*, 32, p. 74 – 78 (In Russian).
- [3] Aman, A. (1996) *LPS XXVII*, 1344–1345.

Additional Information

We recommend that the abstract is carefully compiled and thoroughly checked, in particular with regard to the list of authors, **before** submission. **Updates/revisions will not be accepted.**

The length of an extended abstract should not exceed two pages A4 size and 1 MB for poster presentation.

The length of an extended abstract should not exceed three pages A4 size and 2 MB for contributed speaker.

The length of an extended abstract should not exceed six pages A4 size and 3 MB for invited speaker.

The length of an extended abstract should not exceed ten pages A4 size and 5 MB for plenary review.

Symposium Fee

The registration fee is 300 Euro, student - 150 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. Please fill and send us the Application Visa Form and a copy the first page of your foreign passport in formats RTF and JPEG accordingly 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.

Each Russian visa will be issued on the ground of

1. ENTRY VISA FORM TO RUSSIA
2. **Photocopy of the first passport page(s)** containing the holder's photograph, name, passport number and expiration date.

You are kindly asked to submit the ENTRY VISA FORM.

It would be most helpful if you do this before 1st August (the visa application process takes time and it may be out of our control after a certain stage). A separate Registration Form (as well as the photocopy of the passport page(s)) is required for every accompanying person.

Please fax passport photocopies to ***.jpeg file** by e-mail: Moons2009@mail.ru .

If you intend to visit other destinations in Russia in addition to Moscow, please do not forget to indicate these in the form. Another essential point to remember is that after you have indicated the city (e.g., London) where you will collect your visa from a Russian Consulate, it cannot be transferred to a different location (e.g., Paris or Edinburgh). If your pre-conference travel plans suddenly change, a new visa application will have to be made. Please, could you collect this form and send to us as soon as possible by e-mail: Moons2009@mail.ru?

Entry Visa Form to Russia

We need the following data to obtain the visa:

- | | |
|------------------------------------|---|
| 1. First name | 14. Copy first page of your Passport |
| 2. Middle name | (* .jpeg file by e-mail: Moons2009@mail.ru) |
| 3. Last name | 15. Passport Details: |
| 4. Sex | (a) Citizenship |
| 5. Title (Mr/Ms/Dr,Prof,etc) | (b) Country |
| 6. Position | (c) Passport Number |
| 7. Institution | (d) Date of Issue |
| 8. Mailing address | (e) Place of Issue, and |
| Post code | (f) Expiry Date |
| Town/City | 16. Arrival Date dd: |
| Country | 17. Departure Date dd: |
| 9. Telephone Number | 18. What cities of Russia you plan to visit? |
| 10. Fax Number | 19. Where will you apply for visa |
| 11. E-mail | (where Consulate & Embassy)? |
| 12. Date of Birth (day.month.year) | (country)..... (city) |
| 13. Place of Birth | |

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. 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.

APPLICATION FORM FOR HOTEL ACCOMMODATION

<http://all-hotels.ru/kazan/hotels/index.en.html>

Deadline for Pre-Reservation: 25th May 2009

Please complete and return to LOC by e-mail: Moons2009@mail.ru

Surname, First name: _____

P.O. Box/Street _____

ZIP Code _____ City _____

Country _____



Telephone: _____ FAX _____

e-mail address: _____

Reservation required for Hotel accommodation

1st choice _____ 2nd choice _____

3rd choice _____

Room type: _____ Arrival Date: ___/08___/2009 Departure Date: ___/08___/2009

Number of night(s): _____

Special requests _____

Date _____ 2009

Signature _____

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.

<http://www.weatheronline.co.uk/Russia.htm>

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 Program and Social Events http://www.kcn.ru/tat_en/kazan/index.htm

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 http://www.kcn.ru/tat_en/kazan/index.htm

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

15 March 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
19 - 26 Aug. 2009 Symposium sessions

Contact: "The Moon, moons and Planets" Aug. 19 - 26, 2009, Kazan University, Russia

<http://www.astroheritage.ru>

e-mail: Moons2009@mail.ru

Alexander Gusev

International links

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