

## INTERNATIONAL SCIENTIFIC CONGRESS-2002

### **“FUNDAMENTAL PROBLEMS OF NATURAL SCIENCE AND ENGINEERING”**

is held on July 8 – 13 in Saint-Petersburg at Institute of International Education’s Programs (IIEP) – Grazhdansky prosp , 28

**Transport:** Metro “Polytechnicheskaya” or “Lesnaya”, than by trolley bus 31 or route’s taxis 9, 48, 95 , 160. The best is the 10 minutes walk, see the chart below.

The reception of participants is carried out by Service of Reception of Military Academy of Communication (M.Ac.Com.)

**(Tichoretsky pr. 3, Metro “Polytechnicheskaya”):**

July 6 – at 10<sup>h</sup>. to 22<sup>h</sup>

July 7 – at 09<sup>h</sup> , day and night, to 9<sup>h</sup> July 8.

**Registration of the participants** of Congress 2002 at Institute of International Education’s Programs ( I I E P )

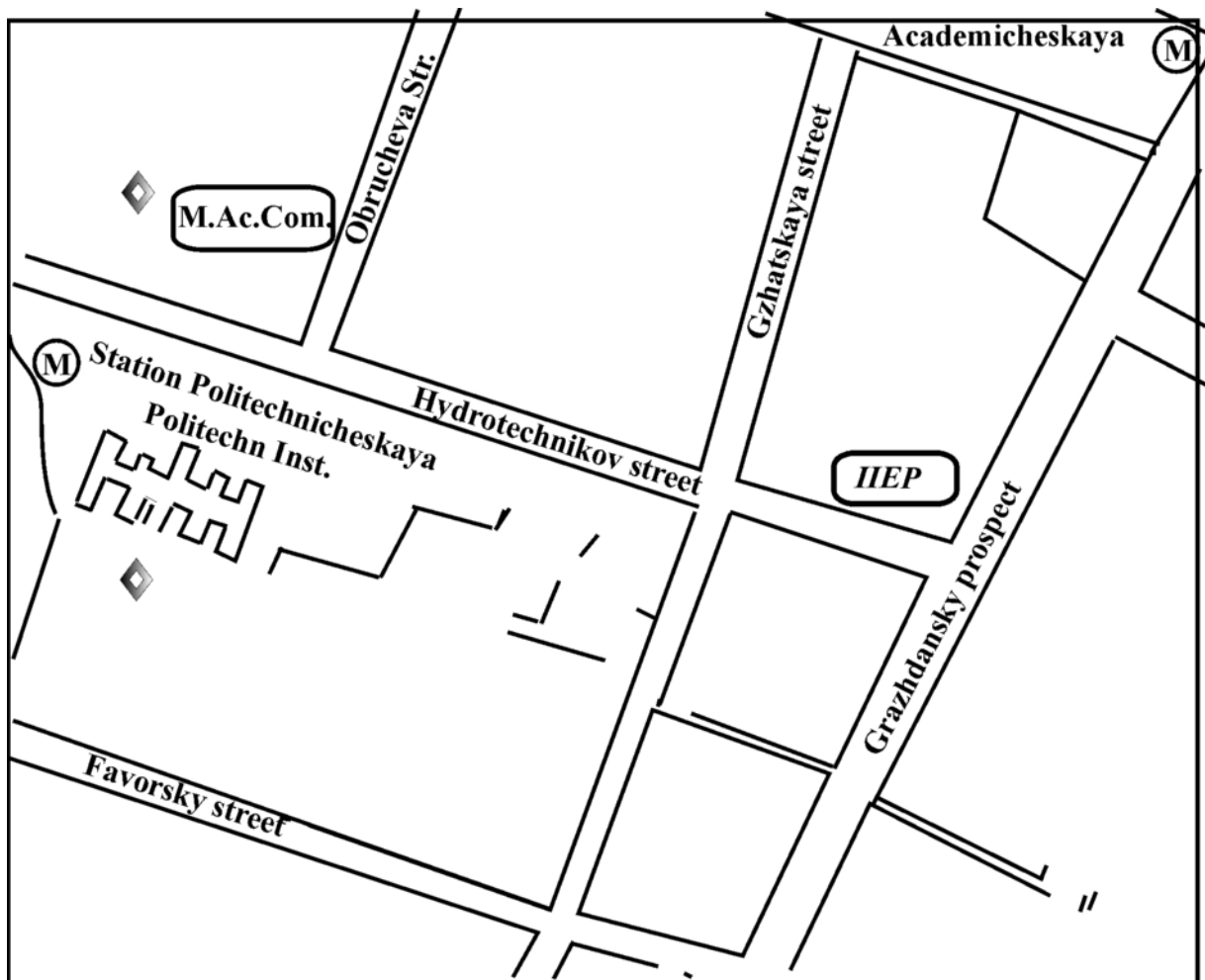
July 7 — at 10<sup>h</sup> to 22<sup>h</sup>

July 8 — at 08<sup>h</sup> to 20<sup>h</sup> ,

in the rest time — in Organizing Committee in IIEP , auditorium 228.

**Sessions of Congress 2002 will be held in conference-hall and auditoriums 328 (3-id floor), 432 (4-th floor), 734 (7-th floor).**

The books and other materials of the conferences and congresses — in auditorium 330 (3-id floor).



**P R O G R A M**  
OF CONGRESS – 2002:  
**“FUNDAMENTAL PROBLEMS OF NATURAL SCIENCES AND ENGINEERING**

**July 8, Monday, 2002**

10-00 – 13-30

PLENARY SESSION

**Conference-hall**

***ETHER AND ETHERODYNAMICS (II – 8)***

Co-chairmen: Klushin Ya.G., Smirnov A.P. Nassikas A.

- |                       |                  |
|-----------------------|------------------|
| 1. Mishin A.M.        | 7 Reboledo M.R.  |
| 2. Proossov P.D.      | 8. Simakov A.S.  |
| 3. Rezanov I.A.       | 9. Nassikas A.A. |
| 4. Ushakovskaya E.D.  | 10. Bolstein A.  |
| 5. Peschevitskij B.I. | 11. Petric S.    |
| 6. Dvoeglazov V.V.    |                  |

11-30 – 12-00 coffee-break

13-30 – 15-00 dinner

**Evening sessions 15-00 – 18-30**

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2 section – conference-hall (C – 2, 8)

***ORGANIZATION'S LEVELS, STRUCTURE'S ELEMENTS  
OF NATURAL SCIENCE'S OBJECTS***

Co-chairmen: Smirnov A.P., Babin W., Kanarev Ph.M.

- |                       |  |
|-----------------------|--|
| 1. Bondarenko O.Ya.   | 7. Bychkov V.A., Bychkov V.A., Timofeev I.B. |
| 2. Kanarev F.M.       | 8. Popov D.I.                                |
| 3. Syromyatnikov A.G. | 9. Bondarenko O.Ya.                          |
| 4. Kanarev F.M.       | 10. Ratnikov B.P.                            |
| 5. Shpacov P.D.       |  |
| 6. Leonov B.P.        |  |

16-30 – 17-00 coffee-break

4 section – auditorium 734 (C – 4, 8)

***ETHERODYNAMICS, ELECTRODYNAMICS, GRAVITATION***

Co-chairmen: Klushin Ja.G., Vereshchagin I.A.

- |                     |                      |
|---------------------|----------------------|
| 1. Asanbaeva D.A..  | 7. Lebedev V.A.      |
| 2. Fominskij L.P.   | 8. Lebedev V.A...    |
| 3. Ustimenko E.F..  | 9. Veretshagin I.A.  |
| 4. Butusov K.P..    | 10. Rajkov A.A.      |
| 5. Butusov K.P..    | 11. Mishin A.M..     |
| 6. Bondarenko O.Ya. | 12. Cherepanov O.Ya. |

16-30 -- 17-00 coffee-break

**July 8, Monday, 2002**

Evening sessions 15-00 – 18-30

6 section – auditorium **432 (C – 6, 8)**

***PHYSICAL BASIS OF INFORMATION SYSTEMS AND COMMUNICATION***

Co-chairmen: Likhachev A.M., Ignatiev B.M.

- |                                  |                                    |
|----------------------------------|------------------------------------|
| 1. Dubro V.G.                    | 5. Bondarenko O.Ya.                |
| 2. Proossov P.D..                | 6. Ruzhanskij V.I.,Ruzhanskij M.V. |
| 3. Proossov P.D., Kochetkov V.A. | 7. Boldyreva L.B, Sotina N.B.      |
| 4. Belyaev M.I.                  | 8. Borisova N.N.                   |

16-30 – 17-00 coffee-break

**July 8, Monday, 2002**

Evening sessions 15-00 – 18-30

3 section — auditorium **328 (C – 3, 8)**

***TIME AND SPACE IN THE REAL WORLD***

Co-chairmen: Cherepanov O.A., Dvoyeglazov V.V.

- |                     |                   |
|---------------------|-------------------|
| 1.Dubro V.G.        | 8. Nikolenko K.L. |
| 2. Olejnik V.P.     | 9. Losovskij M.G. |
| 3. Cherepanov O.V.  |                   |
| 4. Kotov K.M.       |                   |
| 5. Kuznetsov A.A.   |                   |
| 6. Ivanchenko G.E.. |                   |
| 7. Fominskij L.P.   |                   |

16-30 – 17-00 coffee-break

**July 9, Tuesday, 2002**

10-00 – 13-30

PLENARY SESSION

**Conference-hall**

***SYNTHESIS OF SCIENCES AND ELECTRODYNAMICS***

Co-chairmen: Klushin Ya.G., Smirnov A.P., Dvoyeglazov V.V.

- |                    |                          |
|--------------------|--------------------------|
| 1. Babin Walter    | 7. Belyaev M.I.          |
| 2. Post Evert Jan. | 8. Blednov V.A.          |
| 3. Kadyrov C.K.    | 9. Spenser Domina Eberle |
| 4. Kanarev F.M.    | 10. Curry Adam           |
| 5. Keilman Yu.N.   | 11. Mouafak Ichola Aimi  |
| 6. Klushin Ya.G.   |                          |

11-30 – 12-00 coffee-break

**July 9, Tuesday, 2002**

10-00 — 13-30

6 section – auditorium **734 (C – 6, 9c)**

***PHYSICAL BASIS OF INFORMATION SYSTEMS AND COMMUNICATION***

Co-chairmen: Lichachev A.M., Ignatiev B.M.

- |   |                                     |
|---|-------------------------------------|
| 1. Averianov E.G.   | 9. Bondarenko C.A.                  |
| 2. Aladinskij V.A., Motkov V.I.,<br>Simonov A.N., Saukov A.M. | 10. Viharev E.V.                    |
| 3. Belyakov E.V.  | 11. Gotnoga S.V.                    |
| 4. Beletskij A.I., Ryzhov M.V., Sosunov B.V.,<br>Tokarev S.M. | 12. Dobrovolskij S.A.               |
| 5. Beletskij A.I., Ryzhov M.V., Sosunov B.V.,<br>Tokarev S.M. | 13. Dovgij A.V..                    |
| 6. Bobrovskij V.I.  | 14. Zhirov V.A.                     |
| 7. Bobrovskij V.I., Davidov A.V.                              | 15. Kalyuka V.I.                    |
| 8. Bobrovskij V.I., Timoshin I.V.                             | 16. Kerko V.A, Poluyan P.M.         |
|   | 17. Komashinskij V.I., Portnov V.V. |

11-30 – 12-00 coffee-break

**July 9, Tuesday, 2002**

10-00 — 13-30

1 section — auditorium **338 (C – 1, 9c)**

***FUNDAMENTAL APPROACHES TO COGNITION OF REALITY***

Co-chairmen: Prokhortsev I.V., Khromov L.I.

- |                      |                      |
|----------------------|----------------------|
| 1. Khromov L.I. .    | 4. Borisova N.N.     |
| 2. Ushakovskaya E.D. | 5. Prokhortsev I.V., |
| 3. Borisova N.P.     |                      |

11-30 – 12-00 coffee-break

13-30 — 15-00 — dinnerr

**July 9, Tuesday, 2002**

Evening Session 15-00 – 18-30

2 section – conference-hall (C –2, 9)

***ORGANIZATION'S LEVELS, STRUCTURE'S ELEMENTS  
OF NATURAL SCIENCE'S OBJECTS***

Co-chairmen: Smirnov A.P., Keilman Yu.N., Peshchevitskij B.I.

- |                     |                   |
|---------------------|-------------------|
| 1. Dubro V.G.       | 7. Proossov P.D.. |
| 2. Lyalin A.V.      | 8. Frolov V.A.    |
| 3. Ivanov B.P.      | 9. Frolov V.A..   |
| 4. Shabelnikov A.B. | 10. Frolov V.A..  |
| 5. Shlenov A.G.     | 11. Rylkov V.P.   |
| 6. Shlenov A.G..    |                   |

16-30 – 17-00 – coffee- break

**July 9, Tuesday, 2002**

4 section – auditorium 734 (C – 4, 9)

***ETHERODYNAMICS, ELECTRODYNAMICS AND GRAVITATION***

Co-chairmen: Klushin Ya.G., Ustimenko Yu F.

- |                   |                                |
|-------------------|--------------------------------|
| 1. Lebedev V.A..  | 6. Proossov P.D.               |
| 2. Korotkov B.A.. | 7 Post P.D.                    |
| 3. Korotkov B.A.  | 8. Boldyreva L.B., Sotina N.B. |
| 4. Korotkov B.A.  | 9. Pochtarev A.P.              |
| 5. Ageev Yu.M.    |                                |

16-30 – 17-00 coffee-break

**July 9, Tuesday, 2002**

Evening session

15-00 — 18-30

3 section – auditorium 328 (C – 3, 9)

***TIME AND SPACE IN REAL WORLD***

Co-chairmen: Cherepanov O.A., Bondarenko O.Ya.

- |                      |                     |
|----------------------|---------------------|
| 1. Vereshchagin I.A. | 4. Fedorovskiy G.D. |
| 2. Kuferstein M.Z.   | 5. Guzevich S.N.    |
| 3. Kuferstein M.Z.   | 6. Cherepanov O.A.  |

16-30 – 17-00 coffee-break

**July 9, Tuesday, 2002**

Evening session

15-00 — 18-30

POSTER SESSION –auditorium 432 (IIIC – 9)

16-30 – 17-00 coffee-break

**July 10 Wednesday, 2002**

10-00 – 13-30

PLENARY SESSION  
**Conference-hall**

***PRINCIPLES AND LAWS (II – 10)***

Co-chairmen: Smirnov A.P., Sano Ch., Dvoyeglazov V.V.

- |   |                                 |
|---|---------------------------------|
| 1. Baurov Yu.A., Shpital'naya A.A.,<br>Efimov A.A., Zakoldaev Yu.A. | 5. Dmitrievskiy O.D., Sall S.A. |
| 2. Myasnikov V.M.   | 6. Smirnov E.Ya.                |
| 3. Smirnov A.P.   | 7. Frolov V.A.                  |
| 4. Sano Ch.   | 8. Popov V.G.                   |
|   | 9. Nassikas A.A.                |

11-30 – 12-00 coffee-break

13-30 – 15-00 dinner

**July 10 Wednesday, 2002**  
Evening session 15-00 – 19-00

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CATHARSIS CONFERENCE  
**Conference-hall**  
***“METAPHYSICS OF REALITY”***

**July 11, Thursday 2000**

10-00 –13-30

PLENARY SESSION  
**Conference-hall**

**FUNDAMENTAL PROBLEMS OF NATURAL SCIENCE (II – 11)**

Co-chairmen: Smirnov A.P., Bolstein A., Kanarev Ph. M.

- |  |                    |
|--|--------------------|
| 1. Petrov A.S.                                   | 6. Ivanov B.P.     |
| 2. Stekachev V.I.                                | 7. Buren V.M.      |
| 3. Malov I.F., Frolov V.A.                       | 8. Vasilev A.I.    |
| 4. Suhorukov G.I, Suhorukov E.G., Suhorukov R.G. | 9. Spiliotis X.D.  |
| 5. Stolmar A.                                    | 10. Lozdvskij M.G. |

11-30 –12-00 coffee-break

**July 11, Thursday 2000**

10-00 — 13-30

Section 6, auditorium 734 (C – 6, 11c)

**PHYSICAL BASIS OF INFORMATION SYSTEM AND COMMUNICATION**

Co-chairmen: Lichachev A.M., Ignatiev B.M.

- |   |                                  |
|---|----------------------------------|
| 1. Korotkov V.F., Kudryavzev A.M., Ostrovskij Yu.M., Getmanzev A.A.       | 9. Mahetov A.B., Rogetdinov O.Z. |
| 2. Kudryavzev A.M., Hazov V.B., Plotnikov A.M., Udalzev N.P., Petrov I.B. | 10. Molokovich I.A.              |
| 3. Kuznecov V.E., Belikov E.V.  | 11. Molotkov Yu.A.               |
| 4. Kuznecov V.E., Grebnev D.V.  | 12. Motkov V.I., Saukov A.M.     |
| 5. Kuznecov V.E., Pominchuk O.V.  | 13. Naukovich A.N., Dovgij AA.V. |
| 6. Lepenyshev A.N., Chihachev A.V.  | 14. Nesterov I.A.                |
| 7. Lihachev A.M., Kuznezov V.E., Dvoryakov V.V.                           | 15. Ovchinnikova N.V.            |
| 8. Mahetov A.B.   | 16. Paraschuk I.B.               |

11-30 – 12-00 coffee-break

13-30 – 15-00 dinner

**July 11, Thursday 2000**

Evening session 15-00 – 18-30

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Section 1, conference-hall (C – 1, 11)

**FUNDAMENTAL APPROACHES TO COGNITION OF REALITY**

Co-chairmen: Smirnov A.P., Peschevitskij B.I., Fominskij L.P.

- |                     |                   |
|---------------------|-------------------|
| 1. Bondarenko O.Ya. | 6. Trofimov A.M.  |
| 2. Ignatiev M.B.    | 7. Frolov V.A.    |
| 3. Dudkin K.I.      | 8. Kondrakov G.V. |
| 4. Petrash V.V.     | 9. Pachomova G.V. |
| 5. Ivanov B.P.      |                   |

16-30 – 17-00 coffee-break

**July 11, Thursday 2000**  
Evening session 15-00 – 18-30

Section 5, auditorium 734 (C – 5, 11)

***EARTH'S SPHERES AND THEIR INTERACTION. PROBLEMS OF CLIMATE***

Co-chairmen: Olejnikov A.N., Rudnik V.A.

- |  |  |
|--|--|
| 1. Gornyj V.I., Tumanov V.L., Dertev A.K.                        | 8. Zakoldaev Yu.A., Marinich T.L.,<br>Shpitalnaya A.A., Efimov A.A.,<br>Bogacheva N.D. |
| 2. Bereslavskij E.N.   | 9. Petrov K.M.   |
| 3. Bereslavskij E.N., Solovjova T.V.                             | 10. Kuderina L.D.  |
| 4. Anohin V.M., Odesskij I.M.                                    | 11. Krivoshej M.I.   |
| 5. Petrov T.G.   | 12. Pijanov V.I.   |
| 6. Perevedenzev Yu., P., Vereschagin M.A.,<br>Shantelinskij K.M. | 13. Abramyan V.K.  |
| 7. Kiryukov V.V., Kusch O.A., Krylov S.O.                        |  |

16-30 – 17-00 coffee-break

**July 11, Thursday 2000**  
Evening session 15-00 – 18-30

Section 7, auditorium 328 (C – 7, 11)

***POWERS, TECHNIQUE, TECHNOLOGY OF THIRD MILLENIUM***

Co-chairmen: Andreev E.I., Potapov Yu.S., Katkov M.S.

- |                                      |                                |
|--------------------------------------|--------------------------------|
| 1. Denisenko P.I., Panteleev A.V.    | 6. Andreev E.I., Smirnov A.P.. |
| 2. Motovilin G.V.                    | 7. Zukanov B.I.                |
| 3. Chernoplekov N.A., Chubraeva L.I. | 8. Katkov M.S., Skalon A.I.    |
| 4. Furmakov E.F.                     | 9. Zhelezhyij V.B.             |
| 5. Sall S.A., Smirnov A.P.           |                                |

16-30 – 17-00 coffee-break

**July 11, Thursday 2000**  
Evening session 15-00 – 18-30

1 section, auditorium 432 (C – 1, 11c)

***FUNDAMENTAL PROBLEMS OF NATURAL SCIENCE***

Co-chairmen: Klyushin Ya.G., Olejnik V.L.

- |                        |                                       |
|------------------------|---------------------------------------|
| 1. Zhuk N.A.(7 papers) | 3. Snagoschenko A.V., Bondarenko S.V. |
| 2. Katz V.E.           | 4. Malyshev Yu.M.                     |

16-30 – 17-00 – coffee-break

**July 12, Friday 2002**

10-00 – 13-30

PLENARY SESSION

**Conference-hall**

***TECHNIQUE AND TECHNOLOGY***

Co-chairmen: Smirnov A.P., Mac-Cabe F., Potapov Yu.S.

- |                                |   |
|--------------------------------|---|
| 1. McCabe F.J.                 | 4. Conte E..                                    |
| 2. Olejnik V.P., Arepjev Yu.D. | 5. Stolmar A.                                   |
| 3. Feng Cao Jun                | 6. Potapov Yu.S., Fominskij L.D., Potapov S.Yu. |

11-30 – 12-00 coffee-break

**July 12, Friday 2002**

10-00 – 13-30

Section 6, auditorium 734 (C – 6, 12c)

***PHYSICAL BASIS OF INFORMATION SYSTEMS AND COMMUNICATION***

Co-chairmen: Lihachev A.M., Ignatiev B.M.

- |                                |  |
|--------------------------------|--|
| 1. Naukovich A.N., Dovgij A.V. | 10. Santov I.A., Belausov E.N.                               |
| 2. Nesterov I.A.               | 11. Saukov A.M., Simonov A.N.                                |
| 3. Ovchinnikova N.V.           | 12. Simonov A.N.   |
| 4. Paraschuk I.B.              | 13. Smirnov D.I.   |
| 5. Privalov A.A.               | 14. Udalzev N.P., Hazov V.B.,<br>Plotnikov A.M., Petrov I.B. |
| 6. Privalov A. A.              | 15. Hillko V.O.  |
| 7. Rozhetdinov O.Z.            | 16. Hohlenko Yu. L., Chelyshev V.D.,<br>Yakimovec V.V.       |
| 8. Rozhetdinov O.Z.            | 17. Chihachev A.V.   |
| 9. Romanov A.G.                |  |

11-30 – 12-00 coffee-break

13-30 – 15-00 dinner

**July 12, Friday 2002**

Evening sessions, 15-00 – 18-30

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Section 1, **Conference-hall (C – 1, 12)**

***FUNDAMENTAL APPROACHES TO COGNITION OF REALITY***

Co-chairmen: Smirnov A.P., Kadyrov S., Belyaev M.I.

- |                 |  |
|-----------------|--|
| 1. Ivanov B.P.  | 5. Korennaya A.B.                              |
| 2. Ivanov B.P.  | 6. Sokolov I.I., Smirnov A.Ju., Stepanov V.V.  |
| 3. Dubro V.G.   | 7. Kiselev S.A., Komarovskih K.F., Heifez L.I. |
| 4. Vasilzov E.A | 8. Frolov V.A.                                 |

16-30 – 17-00 –coffee-break

**July 12, Friday 2002**  
Evening sessions, 15-00 – 18-30  
**Section 5, auditorium 734 (C – 5, 12)**

***EARTH'S SPHERES AND THEIR INTERACTION. PROBLEMS OF CLIMATE***

Co-chairman: Olejnikov A.N., Rudnik V.A.

- |   |                    |
|---|--------------------|
| 1. Bondarenko O.Ya.                               | 9. Butusov K.P.    |
| 2. Smirnov E.Ya.                                  | 10. Frolov V.A.    |
| 3. Roschupkina T.M.                               | 11. Krivoshej M.A. |
| 4. Vasiljeva G.Ya., Nesterov M.M., Chernyh Yu. V. | 12. Krivoshej M.A. |
| 5. Vasilieva G.Ya.                                | 13. Antonov A.E.   |
| 6. Malov I.F., Frolov V.A.                        | 14. Monahov L. Yu. |
| 7. Butusov K.P.                                   | 15. Shults jr S.S. |
| 8. Butusov K.P.                                   |                    |

16-30 – 17-00 coffee-break

**July 12, Friday 2002**  
Evening sessions, 15-00 – 18-30  
**Section 1, auditorium 432 (C – 1, 12c)**

***CONSCIOUSNESS, WORLD OUTLOOK AND SCIENCE***

Сопредседатели: Klyushin Ya.G., Oleynik V.P.

- |                  |                      |
|------------------|----------------------|
| 1. Khromov L.I.  | 4. Ushakovskaya E.D. |
| 2. Borisova N.P. | 5. Prpkhortsev I.V.  |
| 3. Borisova N.N. |                      |

**July 12, Friday 2002**  
Evening sessions, 15-00 – 18-30

**THE ROUND TABLES, auditorium 328**

***DISCUSSING PROBLEMS OF MODERN NATURAL SCIENCE***

***July 13, Saturday 2002***

10-00 – 14-00

PLENARY SESSION

**Conference-hall**

***PARADIGMS IN SCIENCE AND THE PRESENT***

Discussion

Co-chairmen: Smirnov A.P., Klushin Ya.G., Sano Ch., Nassikas A.A., Dvoeglazov V.V.

12-00 – 12-30 coffee-break

13-30 — 15-00 — dinnerr

***July 13, Saturday 2002***

Evening sessions, 15-00 – 18-30

PLENARY SESSION

**Conference-hall**

***THE DISCUSSION OF CONGRESS WORK***

***CLOSING OF CONGRESS-2002***

