Young Scientists School Program

14 July, Saturday
8:00-9:00 Registration
(IMCES Conference Hall)
9:00-9:30 Opening
9:30-18:00 Lectures
1. Dymnikov V.P.
Computational aspects of active and passive admixtures transport and transformation in atmosphere
11:00-11:30 Coffee break
2. Kholodov A.S.
Numerical methods of transport equation solving
13:00-14:30 Lunch
3. Voevodin Vl.V.
Supercomputer technologies for complex problems solving
16:00-16:30 Coffee break
4. Klyatskin V.I.
Admixture transport in stochastic media

15 July, Sunday
9:00-13:00 Lectures
(IMCES Conference Hall)
1. Kholodov A.S.
Nonlinear monotonic schemes for transport equation solving
2. Smyshlyaev S.P.
Modeling of chemically interacting gases in atmosphere middle- and underlayer
11:00-11:30 Coffee break
3. Fazliev A.Z.
Presentation of declarative knowledge in information systems
13:00-14:30 Lunch
15:00-19:00 Training sessions (TUSUR Computer classes)
Instructors Akhlyostin A.Yu., Bart A.A., Belikov D.A., Lavrent'ev N.A, Prevezentsev A.I., Titov A.G.

16 July, Monday
9:00-13:00 Lectures
(IMCES Conference Hall)
1. Kuznetsov Yu.I.
Methods for solving stiff equations sets
2. Vyazilov E.D.
Formation of metadata and knowledge in Earth sciences
11:00-11:30 Coffee break
3. Fazliev A.Z.
Presentation of procedural knowledge in information systems
13:00-14:30 Lunch
15:00-19:00 Training sessions (TUSUR Computer classes)

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17 July, Tuesday

9:00-13:00 Lectures
(IMCES Conference Hall)
1. Tolstykh M.A.
Semi-Lagrange schemes for transport equation solving
2. Kostrykin S.V.
Pollution transport by vortex systems – theory, laboratory and computational modeling
11:00-11:30 Coffee break
3. Smyshlyaev S.P., Galin V.Ya.
Influence of natural and anthropogenic factors on atmosphere temperature regime and composition long-tern variability
4. Fazliev A.Z.
Workflows management systems
13:00-14:30 Lunch
15:00-19:00 Training sessions (TUSUR Computer classes)
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18 July, Wednesday

9:00-13:00 Lectures
(IMCES Conference Hall)
1. Aloyan A.E.
Modeling of admixture transport and transformation in atmosphere
2. Glazunov A.V., Lykosov V.N.
Eddy models and pollution transport
11:00-11:30 Coffee break
2. Kudashev E.B.
Satellite remote sensing information resources and problems of their integration into international systems of Earth study from space
4. Gordov E.P.
Information-computational systems for city air quality monitoring and modeling
13:30-14:30 Lunch
15:00-19:00 Training sessions (TUSUR Computer classes)
Instructors Akhlyostin A.Yu., Bart A.A., Belikov D.A., Lavrent'ev N.A, Prevezentsev A.I., Titov A.G.

19 July, Thursday

Preparation of Reports on the work performed
13:00-14:30 Lunch
14:30-15:00 Mazurina O.
European Community Framework Programme for Research & Technological Development (2007-2013) – The EC-Russia Dimension
15:00 – 18:00 Participants Reports on performed work (IMCES Conference Hall)