

**Meeting Shedule**  
**Novosibirsk, 6–12 July 2019**

**6 July, Surtaday**

1. **9.00 a.m.** – Meeting at the airoport of the Indian colleagues.
2. **10.00 a.m.** – Hotel “River Park” accommodation.

**7 July, Sunday**

1. **10.00 a.m.** – Excursion to the Novosibirsk Zoo.

**8 July, Monday, CFD Modeling**

1. **10.00 a.m.** – Departure from the Hotel “River Park” to the Novosibirsk state university of architecture and civil engineering.
2. **10.30–10.45** – Open the Meeting. Professor V. Rudyak – shedule of the Meeting, Doctor S. Sathian, Proffesor S. Vengadesan – welcome speech.
3. **10.45–11.45** – **Proffesor V. Rudyak** “Researches of our Team”.
4. **11.45–12.45** – **Doctor S. Sathian** “CFD modeling the nanofluid flows. I”.

**12.45–14.00 – Lunch**

5. **14.00–15.00** – **Doctor A. Minakov, V. Rudyak** “Numerical simulations of heat transfer of nanofluids”.
6. **15.00–16.00** – **Proffesor S. Vengadesan** “CFD modeling the nanofluid flows. II”.

**16.00–16.30 – Coffe and tea break**

7. **16.30–18.00** – **A. Minakov, V. Rudyak** .“CFD modeling the nanofluid flows. Difficulties and perspectives”.

**9 July, Tuesday, Experimental study of thermophysical properties of nanofluids**

1. **10.00 a.m.–11.00** – **M. Pryaznikov** “About measurements viscosity and thermal conductivity of nanofluids”.
2. **11.00–12.00** – **Proffesor V. Rudyak** “Thermophyasical properties of nanofluids”.
3. **12.00–13.00** – General disscusion about thermophyasical properties of nanofluids.

**13.00–14.30 – Lunch**

4. **14.30–15.30 – D. Guzey** “Experimental study of laminar and turbulent forced convection of nanofluids”.
5. **15.30–17.00 – General discussion** “Can we prepare the nanofluids with control properties?”.

**10 July, Wednesday, MD simulation of the of thermophysical properties of nanofluids**

1. **10.00 a.m.–11.00 – Doktor S. Krasnolutskii** “MD modeling the viscosity and thermal conductivity of water based nanofluids”.
2. **11.00–12.00 – Professor A. Belkin** “MD Studing the structure of nanofluids”.
3. **11.00–12.00 – Professor A. Belkin** “About the viscosity of fluids in nanochannels and nanopores”.

**12.00–13.00 – Lunch**

4. **13.00–14.00 – Doctor S. Sathian** “MD studing the thermophysical properties of nanofluids. A coarse-grained approach”.
5. **14.00–15.00 – Doctor E. Lezhnev** “Stokhastic molecular modeling the transport properties in gases and liquids”.

**15.00–15.30 – Coffe and tea break**

6. **15.30–17.30 – General discussion** “The problems and perspectives of the MD simulation of the transport properties of nanofluids”.

**11 July, Tuesday, Disscusion of the project “Study of thermophysical properties of nanofluids and their flows for the design of new generation coolants for industrial applications” results**

1. **10.00 a.m.–11.00 – Museum of NSUACE.**
2. **11.00–11.30 – Doktor S. Sathian.**
3. **11.30–12.00 – Proffesor S. Vengadesan.**
4. **12.00–12.30 – Proffesor V. Rudyak**

**12.30–14.30 – Lunch**

5. **14.30–15.30 – Doktor S. Sathian** “The research problems my group at IIT Madras”.
6. **15.30–16.30 – Doktor S. Sathian, Proffesor S. Vengadesan, Proffesor V. Rudyak** “Discussion of the possibility for a joint PhD programmes between IIT Madras and NSUACE”.
7. **16.30–17.30** – Conclusion disscusion and close the meeting

**18.30 – Dinner in Hotel River Park.**