

## Summer School and Conference

# Integrable Models in Statistical Mechanics, Limit Shapes and Combinatorics

Euler International Mathematical Institute  
St. Petersburg, Russia, July 31 - August 11, 2017

**Summer School: July 31 - August 4**  
**Conference: August 7 - 11**

To participate, please register at  
<http://www.pdmi.ras.ru/EIMI/2017/IMSM/>

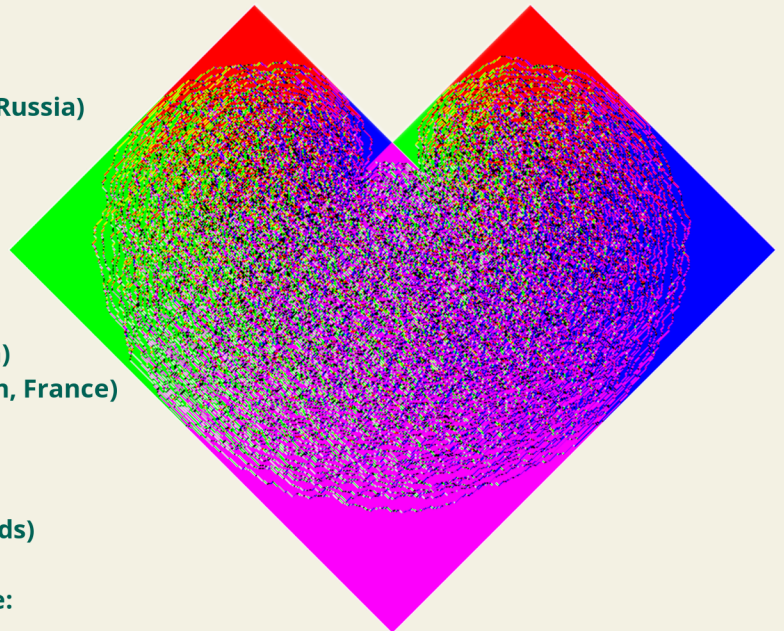


### Summer School Lecturers:

Ivan Corwin (Columbia University, USA)  
Philippe Di Francesco (University of Illinois, USA)  
Nicolai Reshetikhin (UC Berkeley, USA, University of Amsterdam, Netherlands)  
Semen Shlosman (Centre de Physique Theorique, CNRS, France)  
Fedor Smirnov (Sorbonne Universite, UPMC Univ Paris 06, CNRS, France)

### Confirmed Conference Participants:

Nicolai Bogoliubov (Steklov Institute, St. Petersburg, Russia)  
Filippo Colomo (INFN Firenze, Italy)  
Luigi Cantini (Université de Cergy-Pontoise, France)  
Kari Eloranta (University of Helsinki, Finland)  
Vladimir Fock (Université de Strasbourg, France)  
Konstantin Izyurov (University of Helsinki, Finland)  
Vladimir Korepin (SUNY Stony Brook, NY, USA)  
Grigori Olshanski (Higher School of Economics, Russia)  
Sanjay Ramassamy (Ecole normale superieure de Lyon, France)  
Gus Schrader (UC Berkeley, USA)  
Evgeny Sklyanin (University of York, UK)  
Ananth Sridhar (UC Berkeley, USA)  
Jasper Stokman (University of Amsterdam, Netherlands)



### Main topics of the Summer School and the Conference:

- The structure of Gibbs measures in the thermodynamic limit and the limit shape phenomenon
- Enumerative combinatorics and integrability
- Discrete geometry, discrete holomorphicity and conformal invariance in statistical mechanics
- Mathematically rigorous foundation of the Kardar-Parisi-Zhang scaling and the theory of random matrices
- Connection between integrable systems, statistical mechanics, the geometry of moduli spaces and representation theory

The organizers will be able to cover travel expenses and to provide accommodation for a limited number of participants, both of the Summer School and the Conference.

Program Committee: Andrei Okounkov, Nicolai Reshetikhin, Stanislav Smirnov  
Organizing committee: Andrei Pronko, Nicolai Reshetikhin, Peter Zograf  
Administrative staff: Nadia Zaleskaya, Tatiana Vinogradova, Natalia Kirshner