Postdoctoral position

Institut de Recherche Mathématique Avancée,
Université de Strasbourg

Applications are invited for a postdoctoral position in mathematical physics at the IRMA, Strasbourg. The **23-month** position, starting from October 1st, 2020 is available within the project *Geometry of Quantum Hall states*, funded by the Institute for Advanced study of the University of Strasbourg:

http://www.usias.fr/en/fellows/fellows-2020/semyon-klevtsov/

The project is devoted to the mathematics of the many-body wave functions, such as the Laughlin state, describing the correlated electronic states in the quantum Hall effect, with the particular focus on geometric and analytic aspects. Applicants working in geometry, analysis or probability and with the interest in problems of mathematical physics are most welcome to apply. No teaching responsibilities are involved.

The research will be conducted within the group of analysis at the Institut de Recherche Mathématique Avancée. The broader interests of the group include ergodic theory, spectral theory, dynamical systems, microlocal analysis, quantum chaos, semiclassical analysis, Berezin-Toeplitz quantisation and other areas of mathematical physics.

Interested candidates are invited to submit their CV, publication list, research statement and have two reference letters sent on their behalf to Mme Delphine Karleskind: cirk@math.unistra.fr. For any questions related to this position please contact Semyon Klevtsov: klevtsov@unistra.fr.

Application deadline: **September 1st, 2020** and until filled
Starting date: October 1st, 2020 (flexible)
Duration: 23 months (with the end date no later than August 31, 2022)
Salary: According to the standard French postdoctoral salary grid.