Postdoctoral Fellowship

A postdoctoral fellowship in pure mathematics is open for application at the Alfréd Rényi Institute of Mathematics in Budapest, Hungary.
The position is funded by the ERC Consolidator Grant **Noise-Sensitivity Everywhere**, led by Gábor Pete.
See www.math.bme.hu/~gabor/noise.html for more information.

Topics addressed by the Noise Project include the following, hence an ideal candidate should have affinity towards some of them:

Two-dimensional critical and near-critical random processes;
Percolation, Ising, and other factor of iid processes on $\mathbf{Z}^d$ and beyond: groups and graphs;
Discrete Fourier analysis and complexity of Boolean functions;
Mixing times and noise-sensitivity in statistical physics models;
Random walks and growth phenomena in finite and infinite groups;
Graph limits and random graphs.

The position starts in September 2018 or before, for one to three years.
This is a no teaching position; in particular, candidates are not required to speak Hungarian. The salary is up to negotiation, cca. 30,000-36,000 Euros / year, plus travel funding. Shortlisted candidates are invited to visit the group in Budapest.

There is a lively research environment in Budapest related to the project. This includes the probability groups at the Rényi Institute and the Budapest University of Technology and Economics, with its Stochastics Seminar, and the research groups of Miklós Abért, László Pyber, Balázs Szegedy and Bálint Virág at the Rényi Institute, with a seminar on Groups, Graphs and Probability.

Applications received by March 31, 2018 will be given priority, but all applications will be considered as long as this job posting is available online. Please send applications by e-mail to noise@renyi.hu. The application should contain:

- a CV, with a list of publications
- a short (2-3 pages) summary of past research
- a short (2-3 pages) research statement

Three letters of recommendation should be sent directly to noise@renyi.hu. In your application, please name your three references.
The preferred format for all documents is PDF.