



## National University of Ireland at Maynooth Department of Mathematical Physics

### Two Funded Ph.D. Positions in Mathematical Physics

Two funded Ph.D. positions in the field of topological quantum computation will be available in the group of Dr. Jiri Vala at the Department of Mathematical Physics, National University of Ireland, Maynooth, Ireland, starting this September.

Our research is theoretical and focuses on topological phases in condensed matter systems, topological quantum computation, theory of decoherence and quantum error correction and suppression, and fault-tolerant quantum computation.

Expected duration of the Ph.D. study is three years and it is fully funded. The funding includes highly competitive salary, tuition and generous travel support. Successful applicants are expected to conduct independent research, so they should have a M.Sc. degree in physics or related discipline by the beginning of the appointment. International applicants must in addition be fluent in English.

To apply, please send the following documents by e-mail to Dr. Jiri Vala at [jiri.vala@nuim.ie](mailto:jiri.vala@nuim.ie):

- CV (including list of publications if any),
- copies of official transcripts,
- statement of research interests and career goals, and
- contact information of three persons who can provide letters of recommendation.

If you can not provide some of the documents (e.g. the most recent transcripts, etc.) please submit your application with a cover letter explaining briefly why these documents can not be provided. The selection of candidates starts immediately and will continue till both positions are filled.

Maynooth is a charming university town located about fifteen miles from Dublin City Center which is easily accessible by public transportation. The successful applicants will have an opportunity to participate in vibrant scientific life of the Dublin area which includes for example the Dublin Institute for Advanced Studies, Trinity College Dublin, University College Dublin, etc.

Information about the NUI Maynooth can be found at <http://www.nuim.ie> . Information about the Department of Mathematical Physics is available at <http://www.thphys.nuim.ie> . Our group web page is at <http://www.thphys.may.ie/staff/jvala/jvala.htm> .