

## **2-year postdoc: Modeling of strongly correlated electronic systems with tensor network methods (DIPC, Basque Country, Spain)**

Mon, 2020-02-10 11:57 - [Geza Giedke](#) [1] **At:** DIPC, Donostia-San Sebastián, Spain

**Deadline:** 21 February, 2020

### **Location**

Donostia International Physics Center Paseo Manuel de Lardizabal 4  
Donostia-San Sebastián 20018 Spain

A 2-year postdoctoral appointment is offered to work in the groups led by Roman Orus and Fernando de Juan at DIPC, in Donostia - San Sebastian, Spain. We are looking for a candidate interested in the physics of strongly correlated electron systems and unconventional superconductivity, in the modeling of such systems with numerical techniques, and in particular with tensor network methods. We aim to describe the low-temperature ground states of a variety of systems such as twisted bilayer graphene or doped topological insulators, and our interest is to work towards fermionic finite-temperature tensor network simulations in two and three dimensions. Further details about the position and the application process can be found here:

[http://dipc.ehu.es/join\\_us/O\\_February2020\\_Post-doc\\_Contracts.pdf](http://dipc.ehu.es/join_us/O_February2020_Post-doc_Contracts.pdf) [2]

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