

To the Selection Committee
for the Guest Student Programme 2016
at the Jülich Supercomputing Centre.

I am writing this recommendation letter for Giovanni Iannelli, who is applying for this Programme. I have known him since 2012, when I was a teacher of the Course in Classical Mechanics for the second undergraduate class at the Physics Department of the University of Pisa. Moreover, presently Giovanni is following the lectures of a course on "Numerical Methods in Theoretical Physics" that I am teaching for master students of the same Department.

On both occasions, Giovanni has shown to be an extremely active student. I will comment in particular on my experience regarding the course on numerical methods, which is followed by around 20 students, covers the basic concepts on Monte-Carlo methods and their application to Statistical Physics and Lattice Field Theories, and is the one more relevant to this Guest Student Programme. While the Course has not finished yet, I already had the opportunity to appreciate many of Giovanni's qualities.

He is extremely motivated towards the field of Numerical Simulations and High Performance Computing, and of their application to various fields of Theoretical Physics, in particular Statistical Mechanics and Quantum Field Theory, with a great will to advance his knowledge and the aim of a research career in this field. His interest dates back to the time he was a bachelor student and presently he already possesses a considerable background on Monte-Carlo simulations applied to those fields, which places his present knowledge well beyond the average of students of the same class. His interest for the field clearly appears during the lectures: he is one of the most active students and often poses interesting questions and starts pertinent discussions about the algorithms and their implementation; moreover, he often volunteers to discuss during the class some challenging algorithm which was left as a homework for the students.

In view of the considerations above, I am convinced that Giovanni Iannelli is an excellent candidate for this Guest Student Programme and I strongly support his application.

Sincerely yours,

Massimo D'Elia

Dipartimento di Fisica, Università di Pisa
Largo Pontecorvo 3, I-56127 Pisa, Italy
E-mail: massimo.delia@unipi.it

