

BRGM
3 Avenue Claude Guillemin,
BP36009, Orléans Cedex 2
45060, France

20th February 2016

Recommendation letter for Dr Hiep-Thuan Do

To whom this may concern,

I am very pleased to write this recommendation letter for Dr Hiep-Thuan Do who joined BRGM in 2013. I recruited him for a postdoctoral position in the framework of the project HPC-GA (High Performance Computing for Geophysics Applications) funded by the European Commission. Considering the experience he obtained during his PhD thesis and the coherence with our project, I proposed Hiep-Thuan to study the performance of seismic application on multicore and hierarchical architectures. This is a very hot topic in computational geophysics including seismic risk assessment and oil and gas industry. Based on our finite-differences application, the challenge was therefore to evaluate the impact of the various levels of contention (memory/network) that may significantly influence the overall performance.

Dr Hiep-Thuan Do worked on these topics only during 5 months due to the opportunity for him to have a long term contract in a private company. Nevertheless, his efforts led to one publication in a referenced conference (International Conference on Computational Science – ICCS2013).

Dr Hiep-Thuan Do works seriously, concentrating on the problems. He is able to manage different tasks and corporate with different colleagues. Although he joined us after a PhD mainly devoted to parallel computing applied to hydrogeology, he has been able to collaborate with a senior computational seismologist (Dr Hideo Aochi) and to contribute to one of our production software package dedicated to seismic risk assessments (Ondes3D, under GNU License, written in C).

In conclusion, I recommend Dr Hiep-Thuan Do considering his experience and potential, as well as his character. I would be glad to provide more information if necessary.

Sincerely yours,



Dr. Fabrice Dupros
Senior researcher, High Performance Computing
IT Division
Bureau de Recherches Géologiques et Minières (French Geological Survey)
f.dupros@brgm.fr