

Eun Jung Kim

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Dear Dr. Fanny Pascual, Dr. Laurent Gourvès:

I am applying for the open postdoctoral researcher position in the research project "Combinatorial Optimization with competing agents" (COCA).

My understanding is that your project aims to tackle combinatorial optimization problems in game-theoretical settings and pursues a framework as well as methodology to combine these two interesting areas. My research experience in graph theory and algorithms can make a nice contribution to your project. More specifically:

- My research focused on algorithms design for combinatorial optimization problems. I am trained in investigating the structure and properties of a discrete object and transforming the insight into algorithmic design.
- I worked mostly on graph problems and constraint satisfaction problems. My experience and understanding of the domain will be useful.
- I am familiar with probabilistic method. A good part of my work deals with how to use probabilistic approach to design algorithms on constraints satisfaction problems and a certain graph problem.

I am particularly intrigued by your project as it places an area of my primary focus in the context of algorithmic game theory, which I have maintained strong interest. The latter subject has attracted my attention when I joined a course of two-months seminars on this topic some years ago. I think your project suggests an interesting line of work and that my research interest and experience fits well with the project. My previous work depicted at curriculum vitae shows that I am also a well-qualified candidate.

Lastly I want to mention that I have worked a lot in collaboration and I take team work as an essential part of research: not only because it is more fun, but also because research - the process of stretching our understanding and knowledge - is an interactive process at its core.

If you have any question or anything to be discussed, I can be reached at the number or the email address listed above. Thank you for considering my application.

Sincerely yours,

Eun Jung Kim

encl: Curriculum Vitae containing publication list
Contact information for references