

Antwerp, Belgium,
28 October 2024

To the Institute for Research in Fundamental Science

It is my pleasure to recommend Dr. Hossein Yarahmadi for the postdoc position in the Institute for Research in Fundamental Science (IPM). Mr. Yarahmadi was my joint doctoral PhD student and ranked among my very best students. I recommend him to you highly.

As a joint doctoral student, he worked on multi-agent reinforcement learning, especially in multi-agent credit assignment problems. He illustrated that the performance of a multi-agent system can be enhanced by applying the bankruptcy and evolutionary game to find the best solution to solve the credit assignment problem and its applications on cyber-physical systems. The results of that work were published in “Swarm and Evolutionary Computation” and “Robotics & Autonomous Systems” Journals, the first author of which is Hossein. Hossein also published two other journal papers and 2 conference papers from his thesis, which attest to his hard work, insight, and outstanding writing skills. His high productivity as a Ph.D. student is particularly remarkable.

He also worked as a post-doc researcher for one year (from Oct 2023 to Oct 2024) in my lab. He worked on the integration of learning and reasoning in multi agent systems. He collaborated with Prof. Dr. Wang from the University of Utrecht in this research.

Hossein proved himself an able researcher and a sterling mentor to his junior lab mates. He is also a cooperative and reliable lab citizen. He handled responsibility well and conscientiously followed through on all that was asked of him.

In short, I give Hossein my highest recommendation. He is one of the best students I ever had and is a talented researcher. He has an uncanny ability in multi-agent system modeling and simulation. I expect him to continue to be as productive and creative as he was as a student in my lab. He would be a good catch for any Organization and University, and I urge you to consider his candidacy seriously.

Please feel free to contact me if I can be of any further assistance in your review of his candidacy.

Sincerely,

Prof. Moharram Challenger
Head of MICSS Lab



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