Max Planck Center for Attosecond Science and the Max Planck Society (MPG), Germany are seeking an outstanding candidate for Leader of Junior Research Group in Theoretical Physics in ultrafast science in attosecond and femtosecond time scale.

The group will be located on the campus of Pohang University of Science and Technology (POSTECH) in close connection with Max Planck Center for Attosecond Science (MPC-AS).

MPC-AS is a newly established center at POSTECH in close collaboration with Max Planck Inst. of Quantum Optics, Garching, Germany under the memorandum of understanding supported by Max Planck Society, POSTECH and Korean Government. 4 departments in Max Planck Institutes, led by Prof. Krausz (Garching), Prof. Cavalleri (Hamburg), Prof. Wolf (Berlin), and Prof. Rost (Dresden) are participating in MPC-AS with 5 Asian leading groups to foster the attosecond science and femtosecond science.

This search is focused on the area of theoretical studies and simulations for understanding ultrafast phenomena. Candidates who have interdisciplinary interests in addressing physical/chemical aspects of ultrafast electron / nuclear dynamics, coherent control of quantum dynamics in physical, chemical, biological, nano-structured systems, are strongly encouraged to apply.

The group is expected to study basic concepts and develop computational methods for ultrafast science in femto-and atto-second time scales independently as well as in close connection with the above mentioned Max Planck groups in Germany and the 5 Asian groups participating in MPC-AS. The group will be expected to foster the collaboration between POSTECH and the other institutions participating in MPC-AS. To this end, the group leader and/or members of his/her team are welcome to spend extended research periods at one or more of the above named Max Planck Institutes.

The group will also have strong interaction with the scientific in-house program of Asia Pacific Center for Theoretical Physics (APCTP; http://www.apctp.org/index_eng.html ). APCTP has thirteen membership countries and its own network among Asian scientists. Its goals are to organize schools and workshops and to train outstanding young scientists to become future scientific leaders of their fields.

We offer this position for up to 5 years on a salary of an exceptional Assistant Professor. The annual research funding will be provided for 5 years at a level to allow to build a research team tackling demanding problems in the fields of interest.

Applications should include (1) a CV, (2) a list of publications, (3) copies of three publications, (4) a one-page summary of scientific achievements, and (5) a two-page research plan. (6) Two letters of recommendation should be sent separately by the application deadline. All documents or inquiry should be sent to Prof. Dong Eon Kim by May 31, 2012.

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