



MARIE CURIE ACTIONS

Research
Training Networks

PhD and postdoctoral positions in Marie-Curie Research Training Network 'XTRA'

Applications are invited from candidates for early-stage researcher (ESR) and experienced researcher (ER) positions in the new 6th framework Marie Curie Research Training Network 'XTRA' (Ultrashort XUV Pulses for Time-Resolved and Non-Linear Applications). The aim of this network, that is funded by the European Union from April 2004 until April 2008, is to develop ultrashort ('attosecond') laser pulses and to apply these pulses to important problems in Atomic Physics, Molecular Physics and Solid State Physics, as well as to train a new generation of young scientists for a future in this exciting new field.

In the last few decades the development of femtosecond lasers has allowed observation of the elementary motions of atoms and molecules. Attosecond laser pulses represent the next frontier and will allow probing of electron dynamics in real-time. 'XTRA' unites a number of European research groups that in the last few years have broken the attosecond barrier with a number of teams that will explore the application of ultrashort XUV pulses in their respective fields.

In the network opportunities for early stage researcher (ESR) and experienced researcher (ER) employment are offered, subject to existing EU hiring conditions (<http://www.cordis.lu/improving/networks/young.htm>). Candidates will preferably be hired from EU member/associated states.

Interested candidates are invited to send a curriculum vitae to network coordinator Dr. M.J.J. Vrakking, FOM Institute for Atomic and Molecular Science (AMOLF), Kruislaan 407, 1098 SJ Amsterdam, The Netherlands (m.vrakking@amolf.nl). More information on the intended network activities and the participating teams will shortly be available on the 'XTRA' website (<http://xtra.dei.unipd.it/>).