

# Visions for Swedish X-ray Laser Facilities

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*Workshop on a scientific case for Swedish X-ray Lasers  
Medicon Village, Lund, September 24, 2012*

In December 2011 an agreement was made between the [MAX IV Laboratory](#), the [Lund Laser Centre](#), the [Stockholm-Uppsala FEL Centre](#), and [Uppsala University](#) to collaborate on a scientific case for building X-ray lasers in Sweden. On 7 May, a startup meeting was organized by the partners at the Swedish Research Council, with the main purpose to identify initial science drivers and to form a steering committee for writing a scientific case.

The newly formed collaboration is organizing a workshop on the scientific case with the aim of inspiring the participants to contribute to the written material. The workshop will be held in the morning of 24 September 2012, in connection with the [MAX-IV User Meeting](#) at [Medicon Village](#) in Lund, Sweden.

You are cordially invited to participate in this workshop. At the workshop homepage, [http://www.llc.lu.se/sxlf\\_workshop](http://www.llc.lu.se/sxlf_workshop), you will find up-to-date information.

## Program

09:00-09:10	Welcome / Introduction	
09:10-09:55	<b>Massimo Altarelli</b> <i>Chairman of the Management Board, the European XFEL GmbH, Hamburg, Germany</i>	X-ray lasers today and tomorrow
09:55-10:15	Coffee break	
10:15-10:45	<b>Stefan Eisebitt</b> <i>Technische Universität Berlin, Germany</i>	Magnetism on the femtosecond time scale
10:45-11:15	<b>Robert Moshhammer</b> <i>Max-Planck-Institut für Kernphysik Heidelberg, Germany</i>	Time-resolved experiments with XUV and IR laser pulses
11:15-11:45	<b>Robin Santra</b> <i>Center for Free-Electron Laser Science, Hamburg, Germany</i>	Probing electronic quantum motion with X-rays
11:45-12:00	Discussion – where do we go from here?	
Evening	Informal discussions over dinner	

## Registration

There is no fee for the workshop but we ask you to register at the workshop homepage: [http://www.llc.lu.se/sxlf\\_workshop](http://www.llc.lu.se/sxlf_workshop). Please indicate whether you are interested in participating in an informal evening discussion over dinner (at participants' own expense). If you cannot participate in the workshop but would like to stay updated and take part in the future work on a Swedish scientific case for X-ray Lasers, please complete the registration form ticking in the checkbox "*I am interested in the work on a scientific case, but I am not able to participate in the workshop*". In case of problems with the registration, or if you have any other requests, please send an e-mail to [per.johnsson@fysik.lth.se](mailto:per.johnsson@fysik.lth.se).