



Coherence

Modern Laser Concepts

Free-Electron Lasers

Coherent X-Ray Imaging

Future applications

# Science with advanced coherent light sources

Fall School, October 7-11  
DFG Graduate School 1355  
Hamburg, Germany

Advanced coherent light sources covering a wide spectral range from the THz to the X-ray regime have become available in recent years. These novel sources allow for new experimental techniques and future applications. The fall school "Science with advanced coherent light sources" provides insight into the basic concepts and new directions of research covering modern laser concepts, free-electron lasers and coherent x-ray imaging. The school addresses Master/Diploma students, PhD students and young research fellows.

No fee and limited free accommodation. The number of participants is limited. Detailed information on the program and how to apply can be found online.

## Invited Speaker

Massimo Altarelli (European XFEL), David Attwood (UC Berkeley), Henry Chapman (DESY/CFEL), Markus Drescher (U Hamburg), Mikael Eriksson (U Lund), Florian Grüner (U Hamburg), Günter Huber (U Hamburg), Franz Kärtner (DESY/CFEL), Janos Kirz (LBNL Berkeley), Manfred Lein (U Hannover), Uwe Morgner (U Hannover), Keith Nugent (La Trobe, Melbourne), Juliane Rönsch-Schulenburg (U Hamburg), Matthias Wollenhaupt (U Kassel)

## Organizational committee

Markus Drescher (U Hamburg), Gerhard Grübel (DESY), Dirk-Sören Lühmann (U Hamburg), Klaus Sengstock (U Hamburg)

[www.physik.uni-hamburg.de/school2013](http://www.physik.uni-hamburg.de/school2013)



**DFG Graduate School 1355**  
*Physics with new advanced  
coherent radiation sources*



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