

## **First Circular**

**The next workshop on beam cooling and related topics**

### **COOL 07**

**will be held at Bad Kreuznach, Germany  
September 10-14, 2007  
hosted by GSI Darmstadt.**

The focus of the workshop is on beam cooling methods, such as stochastic cooling and electron cooling, but also more advanced techniques like laser cooling and ionization cooling will be covered. Other methods of phase space manipulation are also within the scope of the workshop.

You are cordially invited to participate in COOL 07.

#### Hotel

The workshop location is the DOMINA PARK Hotel which is within walking distance to the city of Bad Kreuznach. The city has a long history and is in the heart of the wine growing Nahe area. A block of rooms is reserved for the workshop. In order to provide the required number of rooms for all participants you are asked to register at your earliest convenience. The room rate is 90.- € for single occupancy and 137.- € for double occupancy, these prices include breakfast and VAT as well as the complimentary use of the nearby Crucenia thermal baths.

Participants are kindly asked to make their hotel reservation on the workshop website in order to benefit from the special workshop rate.

#### Registration and Workshop Fee

For registration please visit the workshop webpage <http://cool07.gsi.de> and fill in the registration form. The reduced workshop fee is 520.- € for payments which are received before July 29, 2007. After that date the fee is 600.- €. The workshop fee includes all coffee breaks and a lunch buffet (Monday to Thursday), welcome reception (Sunday) and the workshop dinner (Wednesday).

The workshop fee should be paid by bank transfer or credit card. Payments must be made in Euros. Payments during the workshop can be made cash only. On the first day of the workshop (Monday) a possibility for credit card payment is foreseen.

## Companions

Accompanying persons will be charged for the following services:

lunch buffet 25.-€per day and person

workshop dinner (incl. Wednesday afternoon excursion) 70.- €per person

## Abstracts

Abstracts must be submitted to the SPMS system developed by the JACOW collaboration. Authors must register to the JACOW system before submitting an abstract. For abstract submission please go to the COOL07 website.

## Program and Proceedings

The workshop will start on Monday morning, September 10 at 9 a.m. and finish on Friday, September 14 before lunch.

It is planned to present as many as possible contributions orally. Those contributions which cannot be considered for oral presentation will be shifted to a poster session on Thursday afternoon.

The proceedings will be published with JACOW. The proceedings will be provided to the participants on a CD. If a sufficient number of participants express their interest, a printed copy will be provided which must be paid at the workshop. Please indicate your interest in the registration form.

Main topics of invited talks:

Status of New and Existing Accelerators

Progress of Stochastic and Electron Cooling

Cooling at High Energy Accelerators

New Cooling Concepts

Theoretical Studies of the Cooling Process and Parameters of Cooled Beams

Application of Cooling for Secondary Beam Preparation

Crystalline Beams

For an updated list of invited speakers please visit the workshop website.

## Visa

Those participants who have to apply for visa (e.g. Russia, Ukraina, China, India,...) are requested to contact the workshop secretary by email to [cool07@gsi.de](mailto:cool07@gsi.de) before June 1, 2007. The secretary will prepare an invitation for visa application. The invitation does not imply any undertaking to support the participant financially.

## Insurance

Attendants of the workshop have to take care of proper health and personal liability insurance. No responsibility can be taken by the organizers.

## Travel

Bad Kreuznach is at a distance of about 70 km from Frankfurt airport. It can be conveniently reached by car or trains within approximately one hour. During daytime there is a train about every hour.

## Weather

The weather at the beginning of September should be still pleasantly warm, but you should be prepared for cold and rainy days.

## Important Dates

abstract submission    March 15 – May 27  
registration            March 15 – July 22  
deadline for registration and room reservation    July 22  
deadline for early registration fee    July 29

## Program Committee

I. Ben-Zvi (BNL)  
H. Danared (MSL)  
Y. Derbenev (JLab)  
D. Kaplan (IIT)  
K.J. Kim (ANL)  
I. Meshkov (JINR)  
Y. Mori (KEK)  
D. Möhl (CERN)  
S. Nagaitsev (FNAL)  
A. Noda (Kyoto Univ.)  
V. Parkhomchuk (BINP)  
R. Pasquinelli (FNAL)  
D. Prasuhn (FZJ)  
A. Sessler (LBNL)  
M. Steck (GSI)  
G. Tranquille (CERN)  
H. Zhao (IMP)

## Local Organizing Committee

B. Azzara  
C. Dimopoulou  
E. Ditter  
R.W. Hasse  
F. Nolden  
C. Peschke  
V.R.W. Schaa  
M Steck  
G. Walter

## Contacts

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