

Dear Colleague

We write to bring to your attention a Nordita sponsored program on ``Superconductivity, the Second Century, to be held at Nordita in Stockholm, Sweden **August 5-30, 2013**

Superconductivity has been of central scientific interest for more than a century, and yet the progress to date has been largely empirical: despite the tremendous progress in many-body theory there is as yet no general set of rules to predict and “design” new kinds of superconductors. With the rapidly growing list of new superconductors we feel it is time to have a high level workshop, bringing together theorists and experimentalists and focusing on the established facts and challenges in understanding the fundamental properties and basic mechanisms of superconductivity.

“Superconductivity, the Second Century” will bring together theorists and experimentalists, including internationally recognized experts as well as younger researchers working in this fascinating and challenging field. It will review recent advances in our understanding, lay out challenges and develop new ideas in addressing the role of strong electron correlations, magnetism, quantum criticality in novel materials and interfaces for understanding of superconductivity. The program will feature thematically organized weeks with keynote lectures on superconductivity in Oxides, Heavy fermions, Fe-based materials and oxide interfaces. More information about the conference can be found at the conference web site

[Superconductivity: the Second Century](#),

The application deadline is **April 1, 2013**. Logistical details are given on the next page, and a direct link to the registration page is available at

<http://agenda.albanova.se/conferenceDisplay.py?confId=3278>

We look forward to seeing you in Stockholm!

Sincerely

Alexander Balatsky

Yunkyu Bang

Andrew Millis

Asle Sudbo

## **Application**

If you want to apply for participation in the program, please fill in the [application form](#). You will be informed by the organizers shortly after the application deadline whether your application has been approved. Due to space restrictions, the total number of participants is strictly limited. (Invited speakers are of course automatically approved, but need to register anyway.)

Application deadline: **01 April 2013**

A **minimum stay of one working week** is required and we encourage participants to stay for a period of at least two weeks.

There is no registration fee.

## **Travel Reimbursement**

**PhD students and Postdoctoral research scientists may be eligible for travel grants** to participate in the program. If you are interested in such a grant, please mark the corresponding field in the application form, briefly summarize your interest in the program in the comments field, and indicate an estimation of your expected travel expenses. Because travel funds are limited, decisions will be made on a case-by-case basis and you will be notified shortly after the application deadline.

## **Accommodation**

Nordita provides a limited number of rooms in the Stockholm apartment hotel [BizApartments](#) free of charge for accepted program participants.