

CENTER FOR THEORETICAL PHYSICS OF COMPLEX SYSTEMS

2023

International Meetings

Jun. 28 - 30, 2023

Condensed Matter Solitons

Jul. 10 - 14, 2023

*Numerical Methods in
Theoretical Physics 2023*

Aug. 22 - 25, 2023

*Computational Approaches
to Magnetic Systems*

Sep. 11 - 15, 2023

Polaritons in Emerging Materials

Nov. 6 - 10, 2023

*Asian Network School and Workshop on
Complex Condensed Matter Systems 2023*

Advanced Study Groups

Quantum-Functional Mesoscopic Weak Links
Convener: Robert Shekhter

*Unusual Order in
Incommensurately Stacked Multilayers*
Convener: Pilkyung Moon

*Entanglement and Dynamics
in Quantum Matter*
Convener: Yong-Baek Kim

*Tensor Network Approaches to
Many-Body Systems*
Convener: Hyun-Yong Lee

*Computational Study on Strongly
Correlated Low-Dimensional Magnetic Systems*
Convener: Chang-Jong Kang

The Institute for Basic Science (IBS), established in November 2011, is Korea's first dedicated basic science research institute. Currently, 33 research centers and 4 research institutes in physics, chemistry, mathematics, life sciences, earth science, and interdisciplinary fields operate under the IBS. For more information see ibs.re.kr.

The Center for Theoretical Physics of Complex Systems (PCS), operated under the IBS, was founded in December 2014, with scientific activities starting in May 2015. Besides hosting resident researchers, the PCS runs an active Visitor and Workshop Program aimed at providing young scientists with an excellent research environment and connections with worldwide leaders in a broad variety of emerging fields.

Announcements

Call for **proposals** for **Advanced Study Groups** and **International Workshops** in the broadly defined field of theoretical physics of complex systems

Applications for programs in 2023 should be submitted preferably by **October 2023**

Advanced Study Groups & International Workshops

Advanced Study Groups (4-10 members) are usually 1-3 months long programs designed to foster intensive collaboration between outstanding scientists and young researchers in residence. Each group consists of several scientists headed by a Principal Investigator (PI). The research work will focus on modern and important topics in the broadly defined field of theoretical physics of complex systems. With the full organizational support of the PCS Visitor Program, the group will attract further shorter-term visitors for seminars, lectures, discussions, and other meetings.

International workshops are on frontier and rapidly developing subjects, as well as new interdisciplinary topics. The PCS organizes focus workshops (2-3 days) and workshops (5 days). The activities cover all research areas related to the broadly defined field of theoretical physics of complex systems. Combinations with Advanced Study Group activities are welcome.

Proposals are to be submitted to the PCS Visitor Program at pcs@ibs.re.kr. More information on the past activities can be found at pcs.ibs.re.kr.

Call for **applications** for multiple **positions** in condensed matter physics, topological and correlated quantum matter, quantum chaos in many-body systems, mesoscopics, and physics of light

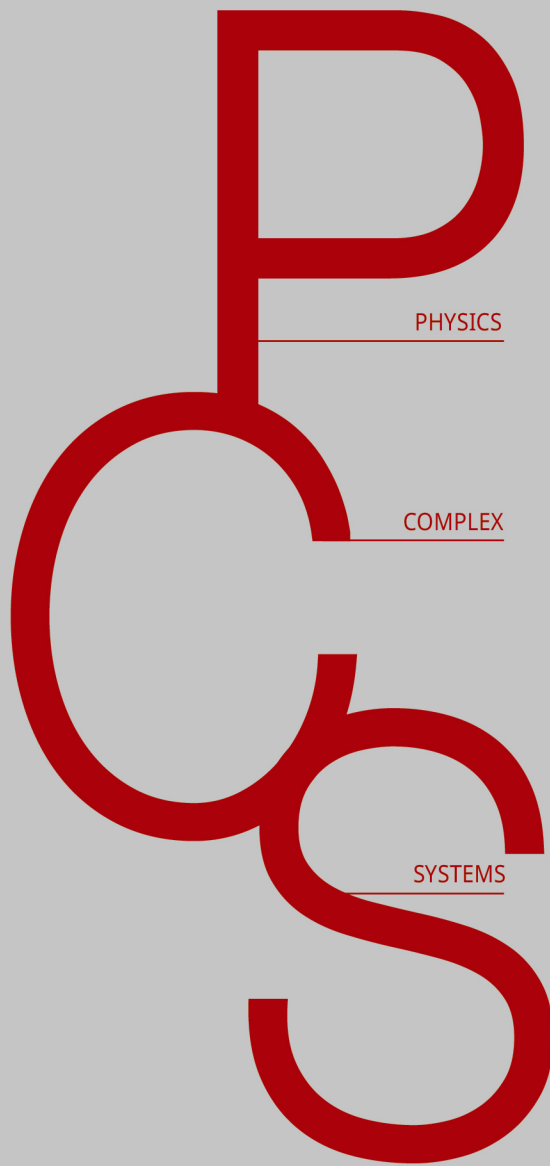
(applications are considered **continuously**)

Research Fellow / Visiting Research Fellow / Ph.D. Student

Research Fellow positions vary from the postdoctoral to sabbatical level, with flexible duration and competitive salaries. Visiting positions range from a few days to several months (usually up to a year). Salaries are commensurate with experience. Ph.D. fellowships are typically for three years.

The research work will focus on modern and important topics in the broadly defined field of theoretical physics of complex systems.

For more information and how to apply, see pcs.ibs.re.kr.



pcs Center for Theoretical
Physics of Complex Systems

ibs Institute for Basic Science

E-mail pcs@ibs.re.kr
Webpage pcs.ibs.re.kr
Tel (+82) 42 878 8633
Fax (+82) 42 878 8699