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SCES 2023

International Conference on Strongly Correlated Electron Systems

July 2 (Sun) – 7 (Fri), 2023
Songdo ConvensiA, Incheon, Korea

Important Dates

Abstract Submission Deadline
February 28, 2023

Acceptance Notification
March 31, 2023

Early Registration Deadline
April 30, 2023

Final Program Announcement
May 31, 2023

Hosted by KPS The Korean Physical Society

Supported by KOREA TOURISM ORGANIZATION, Incheon Tourism Organization

Plenary Speakers

Mona Berciu
The University of British Columbia

Bogdan A. Bernevig
Princeton University

Annica Black-Schaffer
Uppsala University

Sang-Wook Cheong
Rutgers University

Hong-Jun Gao
Institute of Physics, Chinese Academy of Sciences

Antoine Georges
College de France

Stephen Hayden
University of Bristol

Philip Kim
Harvard University

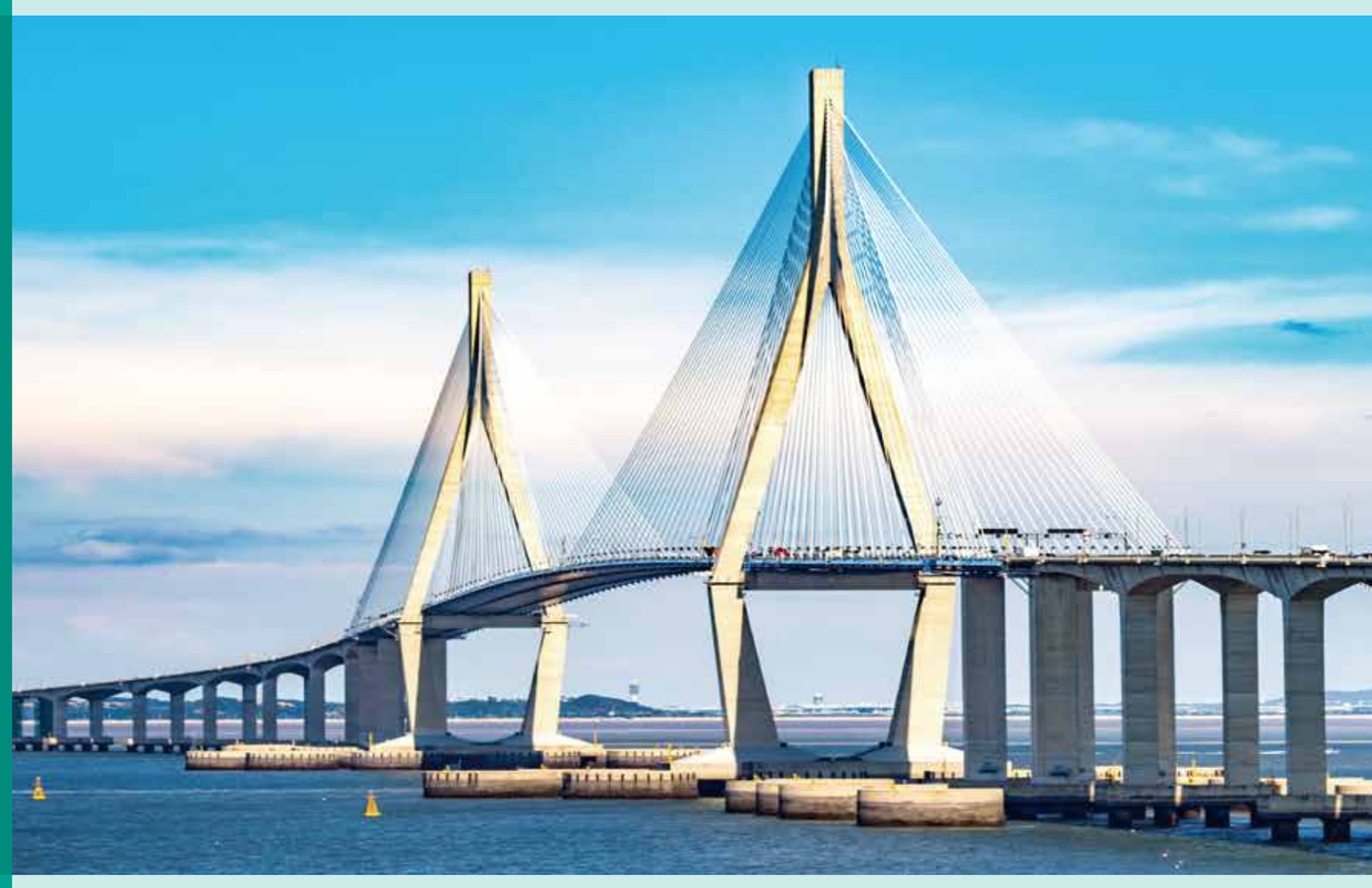
Satoru Nakatsuji
The University of Tokyo

Qimiao Si
Rice University

Young-Woo Son
Korea Institute of Advanced Study

Roser Valenti
Goethe University Frankfurt

Gertrud Zwicknagl
Braunschweig University of Technology



Topics

01 Heavy fermion systems
02 Kondo effect and valence fluctuations
03 Strong correlations in actinides
04 CEF effects and multipolar ordering in SCES
05 Quantum phase transitions and related phenomena
06 Theoretical models and methods for strong correlations
07 Non-equilibrium phenomena in strongly correlated systems
08 Unconventional superconductivity
09 Superconductivity in novel materials
10 Quantum magnetism, skyrmions and frustration
11 Metal-insulator transitions
12 Large research facilities and novel technique for SCES investigations
13 Devices and applications of SCES
14 Correlated materials with geometrical peculiarity
15 Dirac/Weyl semimetals and topologically nontrivial materials
16 Two dimensional materials
17 Fermi surfaces and electronic structure of correlated phase
18 Strong spin-orbit interaction in correlated systems
19 Multiferroics and related materials
20 Materials and devices for qubits
21 Emergent phenomena at the nanoscale
22 Materials design and novel advanced materials