

Precision Theoretical Approaches to Correlated Electrons



17 - 21 August 2020
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9114/>
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This workshop will address recent developments in cutting-edge theoretical approaches to correlated electrons, identify their breakthroughs and current limitations, and coordinate a roadmap towards an accurate solution of the many-electron problem.

Topics:

- Fundamentals of the many-body theory
- Precision numerical methods
- Exact analytical descriptions of limiting cases
- Developments of unified many-body approaches
- Definitive solutions to many-electron systems

Directors:

E. KOZIK, King's College London, UK
A. TOSCHI, Technische Universität Wien, Austria

Local Organizer:

M. N. KISELEV, ICTP, Italy

Speakers:

S. ANDERGASSEN, Eberhard Karls Universität Tübingen, Germany
M. CAPONE, SISSA, Italy
P. CORBOZ, University of Amsterdam, Netherlands
H. G. EVERTZ, Technische Universität Graz, Austria
M. FERRERO, College de France and École Polytechnique, France
K. HAULE, Rutgers University, USA
K. HELD, Technische Universität Wien, Austria
C. HONERKAMP, RWTH Aachen University, Germany
M. KATSNELSON, Radboud University Nijmegen, Netherlands
J. LEBLANC, Memorial University of Newfoundland, Canada
A. LICHTENSTEIN, Universität Hamburg, Germany
T. MAIER, Oak Ridge National Laboratory, USA
O. PARCOLLET, Flatiron Institute, USA
L. POLLET, Ludwig-Maximilians-University Munich, Germany
N. PROKOF'EV, University of Massachusetts Amherst, USA
L. REINING, École Polytechnique, France
G. ROHRINGER, Universität Hamburg, Germany
G. SANGIOVANNI, Julius-Maximilians-Universität Würzburg, Germany
S. SORELLA, SISSA, ITALY
B. SVISTUNOV, University of Massachusetts Amherst, USA
P. THUNSTRÖM, Uppsala University, Sweden
A.-M. TREMBLAY, Université de Sherbrooke, Canada
K. VAN HOUCKE, Ecole Normale Supérieure, France
J. VON DELFT, Ludwig-Maximilians-University Munich, Germany
F. WERNER, Ecole Normale Supérieure, France

How to apply:

Online application:
<http://indico.ictp.it/event/9114/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

15 May 2020



Engineering and Physical Sciences Research Council



The Abdus Salam
**International Centre
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