

# Adriatic Conference on Strongly Correlated Systems



**22 - 24 March 2021**  
**An ICTP Virtual Meeting**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/9595/>  
[smr3600@ictp.it](mailto:smr3600@ictp.it)

The study of strongly correlated many-body systems is a topic of historically enormous theoretical and experimental importance, which has recently garnered even more interest due to the possibility of experimental realization of some of its hallmark results via quantum simulation.

## Description:

In this framework, some of the central issues in the field include the search for novel exotic phenomena and many-body phases, problems related to quantum entanglement, with its deep relation to quantum computing, or the analysis of many-body dynamics and transport properties.

Due to the considerable challenges often encountered in the analysis of such issues, the introduction of new analytical and numerical techniques for their study, and the improvement of existing ones, is also a fundamental research direction.

This online conference is intended to provide a platform for researchers working in these domains to share their research and establish collaboration networks. The event is particularly targeted at scientists at the post-doctoral level, but researchers at all points in their academic career are welcome to attend.

## Topics:

- Quantum phases and critical phenomena
- Strongly correlated materials
- Non-equilibrium quantum dynamics
- Topological phases and phenomena
- Quantum information
- Computational techniques for strongly correlated systems

## Directors:

A. ANGELONE, ICTP/SISSA, Italy  
P. FROMHOLZ, ICTP/SISSA, Italy

## Local Organiser:

R. FAZIO, ICTP, ITALY

## Speakers:

G. CHIRIACÒ, ICTP, Italy  
K. FALLS, SISSA, Italy  
L.A. GRAMAJO, ICTP, Italy  
K. HOVHANNISYAN, ICTP, Italy  
A. KUNDU, SISSA, Italy  
G. MAGNIFICO, QTG, Italy  
S. NOTARNICOLA, QTG, Italy  
A. PAVLOV, ICTP, Italy  
A. RICHAUD, SISSA, Italy  
S. SCOPA, SISSA, Italy  
S. SHARMA, ICTP, Italy  
P. SIERANT, ICTP, Italy  
S. SOTIRIADIS, DCCQS, Germany  
E. TIRRITO, SISSA, Italy

## How to apply:

Online application:  
<http://indico.ictp.it/event/9595/>

Female scientists are encouraged to apply.

## Registration:

There is no registration fee.

## Deadline:

**18 March 2021**



The Abdus Salam  
International Centre  
for Theoretical Physics  
[www.ictp.it](http://www.ictp.it)  
Trieste, Italy

