

Announcement: Modern Wavefunction Methods in Electronic Structure Theory (MWM) 2023

To whom it may concern,

The MWM Summer School - Modern Wavefunction Methods in Electronic Structure Theory - 2023 will take place from August 27th to September 3, 2023 at the University of Pisa, Italy. The registration will start in February and we will inform you about the registration procedure and program in due course.

Subject covered are as follows:

Mathematical foundations of Quantum Chemistry

Second Quantization

Algorithm Design

Coupled Cluster Theory (Ground States)

Coupled Cluster Theory (Equation of Motion)

Derivative Techniques

Magnetic Properties

Multiconfigurational Self-Consistent Field

Multireference Dynamic Correlation Methods

Relativistic Quantum Chemistry

Modern approaches to electron correlation (DMRG, Stochastic approaches, ...)

Local Correlation Approaches

Resonance States

The following speakers have been confirmed:

Keynote Lecture:

Benedetta Mennucci, University of Pisa

Course Lectures:

Jürgen Gauss, University of Mainz

Frank Neese, Max-Planck-Institut für Kohlenforschung

Andreas Köhn, University of Stuttgart

Anna Krylov, University of Southern California

Stella Stopkowitz, University of Saarbrücken

Sandeep Sharma, University of Colorado

Trond Saue, University of Toulouse

Eric Cancès, University of Paris-Est

We are looking forward to seeing in Pisa next summer.

With our best regards

Jürgen Gauss & Frank Neese