

International Workshop on

# *New challenges in Reduced Density Matrix Functional Theory: symmetries, time-evolution and entanglement*

Lausanne – Switzerland  
26-29 Sept 2017

organized by

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This international workshop will discuss and explore new aspects and challenges in Reduced Density Matrix Functional Theory (RDMFT). The main aim is to bring together leading experts in the field to address and carefully discuss open challenges such as implementation of 1-particle symmetries, extension of RDMFT to open-shell atoms and molecules, time-evolution, entanglement and new insights about RDMFT from recent progress on the 1-body N-representability problem.

homepage and registration:

<https://www.cecama.org/workshop-1-1448.html>

No fees

venue: CECAM Headquarters in Lausanne

## **Invited speakers**

Paul Ayers (McMaster)  
Jamal Berakdar (MLU Halle-Wittenberg)  
Eugene DePrince (Florida)  
Nikitas Gidopoulos (Durham)  
Klaas Giesbertz (Amsterdam)  
Peter Gill (Sydney)  
Paola Gori-Giorgi (Amsterdam)  
Oleg Gritsenko (Amsterdam)  
Nicole Helbig (Juelich)  
Joshua Hollett (Winnipeg)  
Peter Knowles (Cardiff)  
Nektarios Lathiotakis (Athens)  
Örs Legeza (Budapest)  
Eduard Matito (Bilbao)  
Katarzyna Pernal (Lodz)  
Mario Piris (Ikerbasque)  
Pina Romaniello (Toulouse)  
Sangeeta Sharma (MPI Halle)  
Iris Theophilou (MPI Hamburg)

