Mini-Symposium

"Formal and Practical Aspects of Electronic Structure Simulations with Density Functional Theory"

January 29, 2015

Program:

session1, chair Evert Jan Baerends

9:30-9:55 Trygve Helgaker University of Oslo, Norway

"Differentiable but exact formulation of density-functional theory"

9:55-10:20 Angel Rubio University of the Basque Country, Spain

"TDDFT and how to describe non-linear dynamical processes in many-electron systems: quantum phenomena and quantum entanglement"

10:20-10:45 Luuk Visscher VU University Amsterdam, The Netherlands

"A subsystem DFT approach to multiscale modelling"

10:45-11:15 coffee break

session2, chair Paola Gori-Giorgi

11:15-11:40 Kasia Pernal University of Łódź, Poland

"Accuracy of the adiabatic time-dependent RDMFT with the exact density matrices"

11:40-12:05 Robert van Leeuwen University of Jyväskylä, Finland

"Initial state dependence and memory effects in time-dependent density functional theory"

12:05-12:30 Andreas Savin Pierre and Marie Curie University Paris, France

"How to judge approximations? Pitfalls of statistics"

Location:

VU University Amsterdam, W&N building, room Q105

This symposium is organized in relation to the PhD thesis of André Mirtschink with the title *"Energy density functionals from the strong-interaction limit of density functional theory"* which will be defended publicly the same day at 15:45 in the aula of the main building, VU University Amsterdam.

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