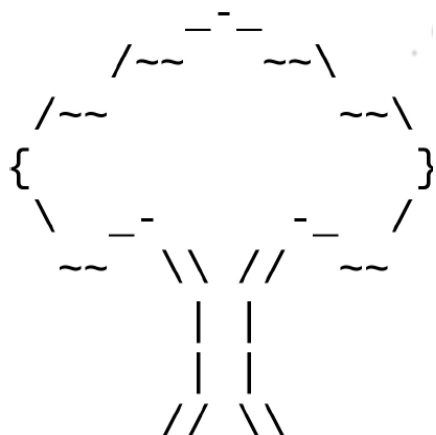


MATHEMATIKON, Im Neuenheimer Feld 205,
69120 Heidelberg

Directions: <http://mathematikon.de/mathematikon/anfahrt>

Public Transportation:

Closest Bus/Tram Stop: Bunsengymnasium

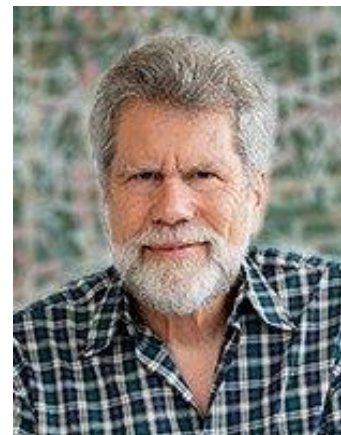


Contact:

+49(0)6221 545211 (Friday) / +49(0)163 4092733 (Saturday)

"Electrons and nuclei in motion - correlation and dynamics in molecules"

Symposium in Honor of the 70th Birthday of
Lorenz Cederbaum



Heidelberg, 4–5 November 2016

Organizers: Andreas Dreuw (IWR) and Horst Köppel (PCI)

Scientific Programme

All scientific lectures take place in the MATHEMATIKON, INF 205, 5th floor

===== FRIDAY, 4th of November =====

13.30 / **13.50** Refreshments / **Welcome and Opening**
14.00 - 14.30 **Shirin Faraji (Heidelberg)**
Intermolecular Coulombic decay in light-driven DNA repair by photolyases
14.30 - 15.00 **Etienne Gindensperger (Strasbourg)**
Spin-vibronic excited-state quantum dynamics
15.00 - 15.30 **Ofir Alon (Haifa)**
Variance as a sensitive probe of correlations: Analytics and numerics
15.30 - 16.00 COFFEE BREAK
16.00 - 16.30 **Nimrod Moiseyev (Haifa)**
Ionization due to the interaction of a Rydberg atom with a weak non-observable even-order harmonic generated by rare gas atoms
16.30 - 17.00 **Christel Marian (Düsseldorf)**
Energy transfer in electronically excited bi-chromophores and excimers
17.00 - 17.30 **Graham Worth (London)**
Studying the photochemistry of large molecules: The vibronic coupling model and beyond
17.30 - 18.00 **Peter Schmelcher (Hamburg)**
Local symmetries in wave mechanics: from acoustics and optics to interacting many-body quantum systems

===== SATURDAY, 5th of November =====

10.00 - 10.30 **Hans-Georg Bock (Heidelberg)**
Optimum experimental design of nonlinear processes: a success story
10.30 - 11.00 **Wolfgang Domcke (München)**
Photoreactivity of DNA bases in water
11.00 - 11.30 COFFEE BREAK
11.30 - 12.00 **Fabien Gatti (Orsay)**
MCTDH simulations with motions of large amplitude
12.00 - 12.30 **Reinhard Dörner (Frankfurt)**
From Lenz's vision to experiment: ICD, recoil effect and more as seen with the COLTRIMS reaction microscopes
12.30 - 13.00 **Kiyoshi Ueda (Sendai)**
Not only ICD but also ETMD are everywhere
13.00 - 14.00 LUNCH BREAK (end of scientific programme)
14.00 EXCURSION (guided castle tour)
18.30 Reception and Dinner at *Palais Prinz Carl*
Address: Kornmarkt 1 (near Rathaus, Marktplatz)
Directions: <http://palaisprinzcarl.de/kontakt/>