PERSONAL	Birth date: Birth place: Address: E-mail: Web:	22 Nov 1985 Räckelwitz, Germany Nano-bio Spectroscopy Group European Theoretical Spectroscopy Facility Centro Joxe Mari Korta Avenida de Tolosa, 72 20018 Donostia-San Sebastián Spain andre.mirtschink@gmail.com http://andremirt.github.io	7 (ETSF)		
EDUCATION	Doctorate		29 Jan 2015		
	Department of Theoretical Chemistry, VU University Amsterdam, The Netherlands				
	Supervisor: Paola Gori-Giorgi, Evert Jan Baerends Title: Energy Density Functionals From the Strong-Interaction Limit of Density Functional Theory				
	Diplom Chem	iker	6 Jul 2009		
	Department of Theoretical Chemistry, University of Technology Dresden, Germany				
	Supervisor: Gotthard Seifert Topic: Reducing Empiricism in Binding Energy Calculations Within the DFTB Method				
EMPLOYMENT	Postdoctoral	Fellow	Sep 2015 - Mar 2015		
		oio Spectroscopy Group, sity of the Basque Country, Spain			
	Postdoctoral	Fellow	Nov 2014 - Mar 2015		
	_	ment of Theoretical Chemistry, iversity Amsterdam, The Netherlands			
	PhD Candida	te	Nov 2010 - Oct 2014		
	-	ment of Theoretical Chemistry, niversity Amsterdam, The Netherlands			
	Leonardo Da	Vinci Fellow	Feb - Aug 2010		
	Quantum Chemistry and Physics Laborator The National Center for Scientific Research France		batier University, Toulouse,		
	Researcher		Nov 2009 - Dec 2009		
		Department of Physics, Federal University of Santa Catarina, Florianopolis, Brazil			
	Researcher		Sept 2009 - Oct 2009		
		ment of Theoretical Chemistry, sity of Technology Dresden, Germany			

	Research Assistant	Feb 2007 - Sept 2008			
		heoretical Chemistry, hnology Dresden, Germany			
	Research Assistant		Mar 2005		
	Fraunhofer Instit Dresden, Germa	Technology,			
	Research Assistant		Feb 2004		
	Fraunhofer Instit Dresden, Germa	tute for Ceramic Technologies an ny	d Systems,		
VISITING SCIENTIST	NanoBio Spectroscopy (The University of the Ba	Apr 2014 tia-San Sebastian, Spain			
	NanoBio Spectroscopy Group,Aug - Oct 2013The University of the Basque Country UPV/EHU, Donostia-San Sebastian, Spain				
	Department of Theoreti University of Science an	Nov - Dec 2010 rea			
HONORS	Leonardo Da Vinci Fello	Feb - Aug 2010			
	Research fellowship, Ge	Nov 2015 - Oct 2017			
OTHERS	Talks "Exchange-Correlation Functionals for Strong Correlation", Department of Theo- retical Chemistry, University of Technology Dresden, Germany, 19 Nov 2015, in- vited group seminar				
	"The Derivative Discontinuity in the Strog-Interaction Limit of Density Functional Theory", NWO-CW Study group meeting "Chemistry in Relation to Physics and Material Sciences", Veldhoven, The Netherlands, 10 Feb 2014, accepted talk				
	"Travelling the Adiabatic Connection: Towards New Exchange-Correlation Func- tionals", Department of Theoretical Chemistry, University of Technology Dresden, Germany, 25 May 2011, invited group seminar				
PUBLICATIONS	Number of publication	ns: 10 Researched-ID: C-935	55-2015		
	H-index:	5			
	Times cited:	57			
	Top 5 publications				
	 "The derivative discontinuity in the strong-interaction limit of density functional theory" A. Mirtschink, M. Seidl and P. Gori-Giorgi Phys. Rev. Lett. 111, 126402 (2013) 				
	 "Density functional theory for strongly correlated dipolar ultracold gases" F. Malet, A. Mirtschink, C. B. Mendl, J. Bjerlin, E. Karabulut, S. Reiman and P. Gori-Giorgi Phys. Rev. Lett. 115, 033006 (2015), selected as editor's suggestion 				

- 3. "Energy density functionals from the strong-coupling limit applied to the anions of the He isoelectronic series"
 A. Mirtschink, C. J. Umrigar, J. D. Morgan III and P. Gori-Giorgi
 J. Chem. Phys. 140, 18A532 (2014), invited article for special issue "Advances in Density Functional Theory"
- 4. "Energy densities in the strong-interaction limit of density functional theory" A. Mirtschink, M. Seidl and P. Gori-Giorgi J. Chem. Theory Comput. 8, 3097 (2012)
- 5. "Modeling Charge Resonance in Cationic Molecular Clusters: Combining DFT-Tight Binding with Configuration Interaction"
 M. Rapacioli, F. Spiegelman , A. Scemama and A. Mirtschink
 J. Chem. Theory Comput. 7, 44 (2011)

Peer-reviewed journals

- "Hydrogen molecule dissociation curve with functionals based on the strictlycorrelated regime"
 S. Vuckovic, L. O. Wagner, A. Mirtschink and P. Gori-Giorgi
 - J. Chem. Theory Comput. **11**, 3153 (2015)
- "Density functional theory for strongly correlated dipolar ultracold gases"
 F. Malet, A. Mirtschink, C. B. Mendl, J. Bjerlin, E. Karabulut, S. Reiman and P. Gori-Giorgi
 Drug Lett. 115, 022006 (2015), selected as a diterie supportion.

Phys. Rev. Lett. 115, 033006 (2015), selected as editor's suggestion

6. "Energy density functionals from the strong-coupling limit applied to the anions of the He isoelectronic series"A. Mirtschink, C. J. Umrigar, J. D. Morgan III and P. Gori-Giorgi

J. Chem. Phys. **140**, 18A532 (2014), **invited article** for special issue "Advances in Density Functional Theory"

- 5. "Exchange-correlation functionals from the strongly interacting limit of DFT: Applications to model chemical systems"
 F. Malet, A. Mirtschink, K. J. H. Giesbertz, L. O. Wagner and P. Gori-Giorgi Phys. Chem. Chem. Phys. 16, 14551 (2014)
- 4. "The derivative discontinuity in the strong-interaction limit of density functional theory"

A. Mirtschink, M. Seidl and P. Gori-Giorgi Phys. Rev. Lett. **111**, 126402 (2013)

3. "Kohn-Sham density functional theory for quantum wires in arbitrary correlation regimes"

F. Malet, A. Mirtschink, J. C. Cremon, S. M. Reimann and P. Gori-Giorgi Phys. Rev. B **87**, 115146 (2013), selected as **editor's suggestion**

- "Energy densities in the strong-interaction limit of density functional theory" A. Mirtschink, M. Seidl and P. Gori-Giorgi J. Chem. Theory Comput. 8, 3097 (2012)
- "Modeling Charge Resonance in Cationic Molecular Clusters: Combining DFT-Tight Binding with Configuration Interaction" M. Rapacioli, F. Spiegelman , A. Scemama and A. Mirtschink J. Chem. Theory Comput. 7, 44 (2011)

Book chapters

 "Density functional theory for strongly interacting electrons"
 F. Malet, A. Mirtschink, K. J. H. Giesbertz and P. Gori-Giorgi in "Many-Electron Approaches in Physics, Chemistry and Mathematics", 153, Springer International Publishing, Switzerland (2014)

Conference proceedings

 "PAH-related Very Small Grains in photodissociation regions: implications from molecular simulations"
 M. Rapacioli, F. Spiegelman, B. Joalland, A. Simon, A. Mirtschink, C. Joblin, J. Montillaud, O. Bern and D. Talbi EAS Publications Series, 46, 223 (2011)