

# Program of the Vienna Workshop of FOR 723

University of Vienna, Sky Lounge, Oskar-Morgenstern-Platz 1, July 1-2, 2014

## Tuesday, July 1, 2014

9:30-10:00		Registration
10:00-10:45	F. Bauer	FRG approach for inhomogeneous interacting Fermi systems
10:45-11:15	D. Kennes	Dynamical regimes of dissipative quantum systems
		Coffee break
11:45-12:15	J. Rentrop	Nonequilibrium transport through a Josephson quantum dot
12:15-12:45	K. Eissing	FRG in Floquet space and periodically driven quantum dots
		Lunch break
14:30-15:00	T. Schäfer	Fate of the Mott transition in the 2D Hubbard model
15:00-15:30	C. Taranto	DMFT-enhanced FRG: new ideas and perspectives
15:30-16:00	N. Wentzell	The dual-fermion FRG
16:00-17:30		Coffee and time for discussions
17:30-17:45	T. Reckling	Fermionic $N$ -patch RG in bilayer square lattice Hubbard model
17:45-18:00	A. Tröster	Momentum shell RG from simulation: crystalline membranes
18:00-18:15	R. Sondenheimer	Higgs mass bounds from the FRG
18:15-18:30	S. Lippoldt	Fermions in gravity with local spin-base invariance
18:30-21:00		Dinner at Sky Lounge and time for discussions

## Wednesday, July 2, 2014

9:00-10:00		Time for discussions
10:00-10:30	A. Eberlein	Competing order in correlated electron systems made simple
10:30-11:00	H. Yamase	Griffiths wings of electronic nematic phase transition
		Coffee break
11:30-12:00	I. Boettcher	Dimensional BCS-BEC crossover with ultracold atoms
12:00-12:30	P. Jakubczyk	Superfluidity of imbalanced Fermi mixtures in $d=2$
12:30-13:00	J. Borchardt	Universality in 3D relativistic fermionic models
		Lunch break
14:30-15:00	S. Wetzel	Competing orders and multi-critical phenomena
15:00-15:30	L. Classen	Instabilities on graphene's lattice with electron-phonon interactions
15:30-16:00	D. Rohe	Why and how FRG can profit from high-performance computing
16:00-18:00		Coffee and time for discussions

To fit this on one page, some titles have been slightly abbreviated.

Full titles and abstracts are available at

<http://www.thphys.uni-heidelberg.de/~salmhof/iwnz/wienprog.html>.