

CURRICULUM VITAE

PERSONAL INFORMATION

Name GREWAL, Abhishek
Address Max Planck Institute for Solid State Research
Heisenbergstrasse 1, Stuttgart, 70569, Germany
Telephone +49 711 689-5209, +49 176-23328797
E-Mail a.grewal@fkf.mpg.de, abhishek.grewal@epfl.ch
Nationality India
Date of birth 10.06.1994

PROFESSION

- ▷ Period November 2017–Present
- Employer Max Planck Institute for Solid State Research, Stuttgart, Germany
École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland
- Position PhD student with Prof. Klaus Kern, Nanoscale Science Department.

EDUCATION

- ▷ Period 2015–2017
- Acquired qualifications M.Sc. Physics
- Institute Universität Stuttgart, Stuttgart, Germany
- ▷ Period 2012–2015
- Acquired qualifications B.Sc. Physics
- Institute University of Delhi, New Delhi, India

RESEARCH

- ▷ September 2016-
October 2017 Master's thesis on "Study of Highly Correlated Systems on h-BN/Cu(111) using Cryogenic Scanning Tunneling Microscopy and Atomic Force Microscopy" with Prof. Markus Ternes in Prof. Klaus Kern's group at MPI-FKF, Stuttgart.
- ▷ February-June 2016 assisted a Ph.D. student with microwave measurements on planar resonators in Prof. Martin Dressel's group at Universität Stuttgart
- ▷ September-
December 2014 worked on non-equilibrium dynamics of strongly correlated bosons in 2D optical lattice with Assoc. Prof. Sukanta Dutta at University of Delhi. Simulated dynamics of the system at the transition from the Mott insulator to the superfluid phase in the Gutzwiller mean-field approach.

▷ December 2013

basics of thin-film deposition techniques with concentration on pulsed laser deposition under Prof. Ramesh Chandra at Indian Institute of Technology, Roorkee, India

LIST OF REFEREES

Prof. Dr. Klaus Kern
k.kern@fkf.mpg.de, +49 711 689-1660
Max Planck Institute for Solid State Research, Stuttgart, Germany

Prof. Markus Ternes
m.ternes@fkf.mpg.de, +49 711 689-1538
Max Planck Institute for Solid State Research, Stuttgart, Germany

Prof. Dr. Jörg Wrachtrup
j.wrachtrup@physik.uni-stuttgart.de, +49 711 685-65278
3. Physikalisches Institut, Universität Stuttgart, Stuttgart, Germany

Assoc. Prof. Dr. Sukanta Dutta
sukanta.dutta@gmail.com
University of Delhi, New Delhi, India

Stuttgart, June 16, 2018

Grewal, Abhishek