Dichiarazione sostitutiva atto notorietà
(art. 47 DPR 445 DEL 28.12.2000)
ai sensi dell'art. 15, comma 1, lett. c), D.Lgs 33/2013 e
ai sensi dell'art. 20 comma 5, del D. Lgs. 8 aprile 2013 n. 39

Il/La sottoscritto/a JULIAN SCHMIDT CF. _____

nato a MEYRIN (GERMANY) Prov (___) il 30/05/1989

consapevole delle sanzioni penali, nel caso di dichiarazione non veritiere, di formazione o uso di atti falsi, richiamate dall'art. 76 del DPR n. 445 del 28.12.2000

DICHIARA

ai sensi dell'art. 15, c. 1, lett. c) del D.Lgs 33/2013 e ai sensi dell'art. 20, c. 5 del D.Lgs 39/2013

in relazione al conferimento dell'incarico di : _____

_____

a) ☒ di non svolgere incarichi e di non essere titolare di cariche in Enti di diritto privato regolati o finanziati dalla Pubblica Amministrazione conferente;

ovvero

☐ di svolgere i seguenti incarichi o di essere titolare delle seguenti cariche in Enti di diritto privato regolati o finanziati dalla Pubblica Amministrazione conferente:

1) _____
2) _____
3) _____

b) ☒ di non svolgere attività professionali in Enti di diritto privato regolati o finanziati dalla Pubblica Amministrazione conferente;

ovvero

☐ di svolgere le seguenti attività professionali in Enti di diritto privato regolati o finanziati dalla Pubblica Amministrazione conferente:

1) _____
2) _____
3) _____

c) di non trovarsi in alcuna delle situazioni di inconferibilità di cui al D.Lgs n. 39/2013.

INFORMATIVA RIGUARDO AL TRATTAMENTO DEI DATI PERSONALI (ART. 13 REG.UE 2016/679)

Il/La sottoscritto/a prende atto che il trattamento dei propri dati personali e sensibili avverrà secondo le modalità stabilite dal Regolamento UE 2016/679 (GDPR) relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali, al solo fine di assolvere gli adempimenti di natura obbligatoria posti in capo all'Università degli Studi di Firenze.

Il/La sottoscritto/a prende altresì atto che il curriculum vitae et studiorum e le dichiarazioni rese per le quali, ai sensi della normativa vigente, è prevista l'ottemperanza ad obblighi di trasparenza, verranno pubblicati sul sito web dell'Amministrazione in apposita sezione di "Amministrazione Trasparente", all'indirizzo https://www.unifi.it/p11360.html, dove è presente una pagina dedicata alla tematica della protezione dei dati personali contenente anche l'informativa per il trattamento dei dati personali dei collaboratori esterni.

Il/La sottoscritto/a si impegna a comunicare eventuali cause di incompatibilità che intercorrano nel corso dello svolgimento dell'incarico.

Firenze, 31-08-2018

IL /LA DICHIARANTE (firma leggibile per esteso)

Julian Schmidt

Date of birth	May 30th, 1989
Place of birth	Meyrin, Switzerland
Citizenship	German
Address	Münchhofstraße 12, 79106 Freiburg, Germany
Languages	Bilingual German and French, English (fluent), Spanish (basics), Russian (basics)
Programming	Python, MatLab, LaTeX, C/C++ (basics), Root (basics)
Software	LabView, Mathematica, Origin, SolidWorks, business process modeling
Interests	Ski touring, climbing, hiking, cooking, literature

Research and work experience

Doctoral student

October 2014 - July 2018 at the University of Freiburg.
Advisor: Prof. Tobias Schätz.
Full member of the DFG-funded International Research Training Group (IRTG) 2079.
Research topic: optical trapping of ions for ultracold atom-ion interaction and applications in quantum simulations.
Thesis "Optical Trapping of Ion Coulomb Crystals", *summa cum laude*.

Guest researcher

May 2016 and February - August 2017 at the University of British Columbia.
Group leader: Prof. Kirk Madison.
Research topic: creation of ultracold Lithium molecules in their lowest molecular energy state using a new Raman laser setup.

July - August 2014 at the Australian Synchrotron, Melbourne.
Group leader: Dr. Mark Boland.
Research topic: measuring beam losses at the Australian synchrotron using optical fibers.

September 2010 - May 2011 at the University of Toronto.
Group leader: Prof. Aephraim Steinberg.
Undergraduate research assistant.
Research topic: scattering of Rubidium Bose-Einstein condensates by optical potentials.

Summer student

August - September 2009 at Fusion for Energy (EU organization for ITER) in Barcelona.
Task: Design of work flow diagrams to address the administrative challenges at F4E.

Education and commitments in university associations

Education

2007 - 2014: Physics studies at the University of Freiburg. Degree: Diploma (Master).
Thesis: *Optical trapping of Barium ions*, excellent grade (1.0, "sehr gut").

1989 - 2007: Childhood and school in France.
Degree: Bilingual *Baccalauréat à Option Internationale, Série S* (2007) in French and German with highest honors ("Mention Très Bien", average of 17.04/20 points).

Student representation

2014 - 2015: Elected PhD representative at the Physics Institute, Freiburg.

2011 - 2013: Member of the Physics Institute council in Freiburg.

2008 - 2009: Elected member of the Mathematics and Physics Faculty Council in Freiburg.

2007 - 2013: Member of the student representation at the Physics Institute in Freiburg.

Awards

Alumni-Preis

2015 Faculty of Mathematics and Physics Prize for outstanding diploma and master theses at the University of Freiburg.

Teaching

Teaching assistant
- 2018: Experimental Physics III (Optics)
- 2017: Experimental Physics I (Classical Mechanics)
- 2016: Experimental Physics III (Optics)
- 2015: Advanced Laboratory Course (Physics)
- 2010: Analysis 1 (Mathematics Department)

Publications

[1] G. Polovy, J. Schmidt, D. Uhland, E. Frieling, K. Dare, and K. Madison. Phase noise reduction of mutually tunable lasers with an external acousto-optic modulator. Submitted, 2018

[2] J. Schmidt, A. Lambrecht, P. Weckesser, M. Debatin, L. Karpa, and T. Schaetz. Optical trapping of ion Coulomb crystals. *Phys. Rev. X*, 8:021028, May 2018

[3] A. Lambrecht, J. Schmidt, P. Weckesser, M. Debatin, L. Karpa, and T. Schaetz. Long lifetimes and effective isolation of ions in optical and electrostatic traps. *Nature Photonics*, 11(11):704–707, 2017

[4] T. Huber, A. Lambrecht, J. Schmidt, L. Karpa, and T. Schaetz. A far-off-resonance optical trap for a Ba^+ ion. *Nature Communications*, 5(5587), 2014

[5] E. Nebot Del Busto, M.J. Boland, J. Schmidt, E.B. Holzer, M. Mastriotou, C.P. Welsch, R.P. Rassool, and P. Jackson. Measurement of beam losses using optical fibers at the Australian Synchrotron. In *Proc. 3rd International Beam Instrumentation Conference*, number WECZB3, pages 515–520, 2014

Conferences and schools

1. May 2018: Heraeus Seminar on Fundamental Constants: Basic Physics and Units, Bad Honnef, Germany
   Poster: Optical trapping of ion Coulomb crystals
2. March 2018: Conference on Low Energy Antiproton Physics, Paris, France
3. March 2018: DPG Spring Meeting, Section AMOP, Erlangen, Germany
   Poster: Optical trapping of Coulomb crystals
4. August 2017: Summer School of the IRTG 2079, Squamish, Canada
   Poster: Optical trapping of Coulomb crystals
5. August 2017: Annual meeting of the IRTG 2079, UBC Vancouver
   Talk: Optical trapping of Coulomb crystals
6. September 2016: European Conference on Trapped Ions, Arosa, Switzerland
   Poster: Optical trapping of Coulomb crystals
7. August 2016: Annual meeting of the IRTG 2079, Freiburg, Germany
   Talk: Progress on Optical Trapping of Ba^+
8. July 2016: Summer School of the IRTG 2079, Mittelwihr, France
   Poster: Long-lived all-optical ion trapping
9. September 2015: Workshop on Hybrid Atomic Quantum Systems, Hamburg, Germany
   Poster: Advances in optical trapping of Barium ions
10. July 2015: Kick-off meeting for the IRTG 2079, UBC Vancouver, Canada
    Talk: Prospects for cold-collision experiments with ions and atoms
11. March 2015: DPG Spring Meeting, Section AMOP, Heidelberg, Germany
    Contributed talk: Optical trapping of Barium ions for ion-atom collision experiments
12. July 2013: Enrico Fermi Summer School, Ion Traps for Tomorrow's Applications, Varenna, Italy
    Funded by a stipend from the association "Verband der Freunde der Universität Freiburg"
    Poster: Optical trapping of ions
13. March 2013: DPG Spring Meeting, Section AMOP, Hannover, Germany
    Poster: Laser stabilization techniques for cooling of Barium ions