

Postdoctoral positions around the world:

A postdoctoral position in theoretical condensed matter physics is available in Georg Schwiete's research group at the University of **Alabama**, Tuscaloosa for January 2018.

Areas of interest include, broadly speaking: transport and non-equilibrium effects in many-body systems and novel quantum materials, including aspects of spintronics.

Experience in quantum many-body techniques will be an asset. The appointment is until August 2019. A PhD is required at the beginning of the appointment. Therefore, candidates in the final stages of completing their PhD are also encouraged to apply. Inquiries about the position should be addressed to gschwiete@ua.edu [2].

In order to apply, please (1) submit a cover letter, a CV (including a publication list and a list of references) and a statement of research interests in pdf-format at this website: <https://facultyjobs.ua.edu> (please look up the "physics postdoc pool" and submit there) (2) also send a copy of the application material mentioned in (1) to gschwiete@ua.edu (3) arrange for at least two letters of reference to be sent separately to the same address: gschwiete@ua.edu

Screening of applications will begin immediately and continue until the position is filled.

UA EEO Statement: The University of Alabama is an Equal Employment/Equal Educational Opportunity Institution. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, genetic information, disability, or protected veteran status, and will not be discriminated against because of their protected status. Applicants to and employees of this institution are protected under Federal law from discrimination on several bases. Follow the link below to find out more.

16.06.17

Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, **Bangalore** Postdoctoral Positions Available:

Interested applicants can write to sastry@jncasr.ac.in with a CV, list of publications, a brief description of past research and future interests. Applicants should also arrange for two letters of recommendation to be sent directly to the same address. Review of applications will be taken up by the end of June 2017, and will continue till the position is filled.

<http://www.jncasr.ac.in/sastry/postdoc-cefipra.html>

<http://www.jncasr.ac.in/sastry/postdoc-ukieri.html>

<http://www.jncasr.ac.in/sastry/postdoc-dst-nwo.html>

17.10.17

Head of a Junior Research Group on Entangled Quantum Matter. The group will be embedded in a vibrant research environment working on topological and correlated matter, quantum information, and driven many-body quantum systems. We expect that the group will actively participate in recently funded and planned collaborative research initiatives, in particular the transregional research center "Entangled States of Matter" in collaboration with Berlin, Co-

penhagen and the Weizmann Institute of Science, and the center “Quantum Matter and Materials” (QM2) a collaboration of groups in experimental and theoretical physics, chemistry and mathematics at the University of Cologne (**Bonn**). Future research initiatives are geared towards quantum information processing and topological computational matter. The candidate should have a strong postdoctoral research record at the intersection of correlated topological matter, quantum information, and quantum devices. She or he is expected to be able to build up a research program as the head of an independent research group (funding for one PhD student and a travel budget is provided, further funding opportunities are anticipated). Remuneration is competitive (TV-L E14 100%). The initial contract is for four years with flexible starting date. For further information please contact Simon Trebst (trebst@thp.uni-koeln.de), Alex Altland (alexal@thp.uni-koeln.de) or Sebastian Diehl (diehl@thp.uni-koeln.de). The University of Cologne is committed to increase female employment in leading scientist positions. Qualified female applicants are encouraged to apply and will be given preference if equally qualified. Handicapped persons with appropriate qualifications are also encouraged to apply. Interested applicants should send a full CV and a short description of possible future research projects. Review of applicants will begin immediately and continue until the position is filled. For primary consideration please submit all material electronically by Nov. 17th, 2017, and arrange for two letters of references send to
Prof. Simon Trebst
Institute for Theoretical Physics
University of Cologne
Email: trebst@thp.uni-koeln.de

16.05.17

Postdoc Positions in Nonequilibrium Statistical Physics, Research Associate/Senior Research Associate x 2 (Fixed Term), University of **Cambridge**;
deadline for applications: June 12, 2017
<http://www.jobs.cam.ac.uk/job/13678/>

28.10.17

Group postdoc opening in Theory of Condensed Matter at **Cambridge**;
<http://www.jobs.cam.ac.uk/job/15437/>
<http://www.jobs.cam.ac.uk/job/BFE391/research-associate-in-strongly-correlated-systems-theory/>
Please notice the closing date of 23 November 2017

28.09.17

Center for Theoretical Quantum Matter (CTQM) postdoctoral fellowship at the University of **Colorado** Boulder;
Review of applications will begin on November 1, 2017
https://cu.taleo.net/careersection/2/jobdetail.ftl?job=11118&lang=en&sns_id=mailto#.Wb_Ufv3wUsk.mailto

29.10.17

Postdoc position at UCSD Columbia;

One, possibly two postdoctoral positions in my group, available in January 2018. The funding for these positions comes from the NSF and DOE and is to support theoretical research in condensed-matter physics, in collaboration with several experimental groups here at UCSD and at Columbia. We seek candidates with expertise in the following fields: low-dimensional systems, graphene and other 2D materials, excitons in semiconductors, polaritons, superconductivity, Josephson junctions, non-equilibrium dynamics, nonlinear optics, near-field optics, and plasmonics.

Michael Fogler, mfogler@ucsd.edu, UC San Diego Department of Physics, 9500 Gilman Dr. La Jolla CA 92093-0319

03.03.17

Delft University of Technology, PhD and Post-doc openings;

<http://yuli.weblog.tudelft.nl/2017/03/02/more-phd-and-post-doc-openings/>

23.08.17

The Department of Physics, Institute of Theoretical Physics, Chair of Theory of Condensed Matter offers a position as **Research Associate / Postdoc**

(Subject to personal qualification employees are remunerated according to salary group E 13 TV-L) starting **as soon as possible**. The position is limited for 3 years. The period of employment is governed by Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position aims at obtaining further academic qualifications (e.g. habilitation thesis).

Tasks: research in model-based condensed matter theory, preferably on topological (semi-) metals, topological and unconventional superconductors, transport in extended systems and nanostructures or current topics in magnetism; teaching obligations.

Requirements: university degree in physics; doctorate in theoretical physics; in-depth knowledge in condensed matter theory; proficiency in German or English; ability and motivation for doing outstanding research both independently and in collaborations, e.g. in Collaborative Research Center SFB 1143.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application including curriculum vitae, overview of research interests, list of publications, copy of documentation of the highest academic degree and the names and addresses of at least 3 references until **01.10.2017** (stamped arrival date of the university central mail service applies) preferably as a single pdf document via e-mail to **carsten.timm@tu-dresden.de** (please note: we are currently not able to receive electronically signed and encrypted data) or to: **TU Dresden, Fakultät Mathematik und Naturwissenschaften, Fachrichtung Physik, Institut für Theoretische Physik, Professur für Theorie der kondensierten Materie, Herrn Prof. Dr. rer. nat. Carsten Timm, 01062 Dresden**, Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

20.09.2017

Assistant Professor in Condensed Matter Theory at the University of **Florida**;
deadline for applications: November 15, 2017
<http://explore.jobs.ufl.edu/cw/en-us/job/504676>

02.11.17

Postdoctoral Research Position Theory of novel superconductors U. **Florida** -- Gainesville

A postdoctoral research fellowship in the Hirschfeld group in the theory of novel superconductors is available beginning spring or summer 2018. Some experience with electronic structure theory, as well as superconductivity theory, is desirable but not required. For full consideration, candidates should email a c.v., brief statement of research interests and three letters of reference before December 15, 2017 to mcolson@ufl.edu, (Ms. Marcia Colson, Condensed Matter Theory, U. Florida Physics).

10.10.17

It is an institutionalized cooperation between the Max Planck Institute of Quantum Optics (MPQ) and the Harvard Quantum Optics Center (HQOC). In the framework of our newly established cooperation we are currently looking for excellent candidates for our TWO-YEAR POSTDOCTORAL FELLOWSHIPS in Quantum Science BASED AT THE MAX PLANCK INSTITUTE OF QUANTUM OPTICS (MPQ, **Garching**). The successful candidates will be based at MPQ, with the opportunity to take advantage of our unique cooperation infrastructure, including a joint Post-Doc mentoring scheme and frequent opportunities for exchange with our partner institute in Harvard.

Therefore, we would highly appreciate your support in forwarding the attached MPHQ Fellowship Call to suitable candidates.

Deadline for applications is the 15TH OF NOVEMBER 2017!

To apply to MPQ visit:

https://s-lotus.gwdg.de/mpg/mgqo/mpqharvard_2017.nsf/application

To apply to Harvard please visit:

<https://academicjobsonline.org/ajo/Harvard>

09.10.17

School of Physics of the **Georgia** Institute of Technology invites applications for a Faculty Position in Theoretical Condensed Matter Physics with an emphasis on computational aspects, beginning Fall 2018.
applications will commence November 27, 2017
<https://academicjobsonline.org/ajo/jobs/9835>

02.11.16

Postdoctoral position in condensed matter theory – **Grenoble**

Applications for a postdoctoral opening in condensed matter theory are requested. Preference will be given to candidates with expertise in the quantum aspects of condensed matter physics and research interests in the general area of superconductivity, mesoscopic physics, electron correlations, and disordered systems. The position is for two years. It is funded through an ANR project on the electrodynamics of disordered superconductors.

Grenoble offers a great research environment with a number of strong theoretical and experimental groups. The postdoctoral work will be guided by Manuel Houzet (<http://inac.cea.fr/Pisp/manuel.houzet/> [1]) and Julia Meyer (<http://inac.cea.fr/Pisp/julia.meyer/> [2]) at INAC/PHELIQS, CEA Grenoble. Collaborations with experimentalists and other theorists are expected and will be encouraged.

Applicants should send a CV including a publication list and a brief summary of research interests to the address below or by email to julia.meyer@univ-grenoble-alpes.fr. Selected preprints or reprints may also be included. Electronic submission (in a single pdf file) is strongly preferred. In addition, each applicant should arrange for two letters of recommendation to be sent. The search will be continued until the position is filled.

12.11.17

Université **Grenoble Alpes**;

Postdoctoral position

Applications for a postdoctoral opening in condensed matter theory are requested. Preference will be given to candidates with expertise in the quantum aspects of condensed matter physics and research interests in the general area of superconductivity, mesoscopic physics, electron correlations, and disordered systems. The position is for two years. It is funded through an ANR project on the electrodynamics of disordered superconductors. Grenoble offers a great research environment with a number of strong theoretical and experimental groups. The postdoctoral work will be guided by Manuel Houzet (<http://inac.cea.fr/Pisp/manuel.houzet/>) and Julia Meyer (<http://inac.cea.fr/Pisp/julia.meyer/>) at INAC/PHELIQS, Université Grenoble Alpes and CEA Grenoble. Collaborations with experimentalists and other theorists are expected and will be encouraged. Applicants should send a CV including a publication list and a brief summary of research interests by email to julia.meyer@univ-grenoble-alpes.fr. Selected preprints or reprints may also be included. Electronic submission in a single pdf file is strongly preferred. In addition, each applicant should arrange for two letters of recommendation to be sent. For full consideration please apply before January 15, 2018 – though later applications are possible until the position is filled.

PhD position on "Quantum transport in voltage-biased topological Josephson junctions"

Applications for a PhD position in condensed matter theory are requested. The PhD work will be guided by Manuel Houzet (<http://inac.cea.fr/Pisp/manuel.houzet/>) and Julia Meyer (<http://inac.cea.fr/Pisp/julia.meyer/>) at INAC/PHELIQS, Université Grenoble Alpes and CEA Grenoble. It is funded through a joint ANR-NSF program on the transport properties of superconducting hybrid structures. Topological phases of matter have attracted much interest in recent years. Topological superconductors are of particular interest because they may host Majorana bound states. Josephson junctions have been proposed as probes of topological superconductivity, and possible signatures of such Majorana bound states in topological Josephson junctions have indeed been observed. However, important aspects related to the effect of the environment on the properties of the junction are still not fully understood. The aim of the PhD work is to make progress in the understanding of quantum transport in voltage-biased topological Josephson junctions in the presence of an electromagnetic en-

vironment. More information can be found here: <http://inac.cea.fr/Pisp/julia.meyer/Sujet2018-Majorana.pdf> Interested candidates should have a good basis in quantum mechanics, statistical physics, and condensed matter physics. Applicants should send a cover letter, a CV, as well as Master's and Bachelor's transcripts by email to julia.meyer@univ-grenoble-alpes.fr. Electronic submission in a single pdf file is strongly preferred. In addition, each applicant should arrange for two letters of recommendation to be sent. The search will be continued until the position is filled.

19.02.17

NSF-funded Research Training Grant in Quantitative Biological Modeling, two postdoc positions, Engineering Sciences and Applied Mathematics, Northwestern University, Evanston, **Illinois**;

Starting: Sep 1, 2017 (and a third position starting September 1, 2018)

<https://openposition.mccormick.northwestern.edu/apply/index/NjE=>

27.09.17

Postdoctoral positions at the Institute for Condensed Matter Theory of the University of **Illinois** at Urbana-Champaign;

<https://icmt.illinois.edu/Opps-postdocs.asp>

02.11.17

Postdoctoral position in condensed matter theory at **Iowa** State University;

I am writing to advertise a postdoctoral position in strongly correlated condensed matter theory in my group at Iowa State University. I would greatly appreciate your bringing this opportunity to the attention of any strong candidates.

Candidates should have experience with many body quantum field theory techniques and an interest (although not necessarily experience) in collaborating with experimentalists. The condensed matter group at ISU/Ames lab is extremely strong and highly collaborative. Areas of interest include heavy fermions, frustrated magnetism and unconventional superconductivity, along with other strongly correlated materials.

The position is expected to begin in Fall 2018. Interested candidates should send a CV (including a list of publications) and a brief research statement to flint@iastate.edu, and arrange for two letters of reference to be sent to the same address as soon as possible. Applications will be considered until the position is filled.

01.09.17

Cornell (**Ithaca**) University's Laboratory of Atomic and Solid State Physics is soliciting applications for the Bethe/KIC postdoctoral fellowship program. This prize fellowship will provide an outstanding theoretical physicist the opportunity to work with theorists and experimentalists in Cornell's physics department.

Applications received by November 3, 2017

<https://academicjobsonline.org/ajo/jobs/9619>

<http://postdocs.cornell.edu/cornell-postdoctoral-fellowship-programs>

11.09.17

Presidential Postdoctoral Fellows at Cornell University, **Ithaca**, NY:

Deadline applications: 1 Oct. 2017

<http://postdocs.cornell.edu/cornell-postdoctoral-fellowship-programs>

15.09.2017

Faculty positions at the University of the Witwatersrand, **Johannesburg**;

[https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-](https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67226&p_spid=3387165)

[DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67226&p_spid=3387165](https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67226&p_spid=3387165)

Deadline: Sept. 30, 2017

[https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-](https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67227&p_spid=3387166)

[DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67227&p_spid=3387166](https://irec.wits.ac.za/OA_HTML/OA.jsp?page=/oracle/apps/irc/candidateSelfService/webui/VisVac-DispPG&OAHP=IRC_EXT_SITE_VISITOR_APPL&OASF=IRC_VIS_VAC_DISPLAY&p_svid=67227&p_spid=3387166)

Deadline: Sept. 30, 2017

05.10.16

Postdoctoral opening in 2017 at the Instituut-Lorentz for theoretical physics of **Leiden** University.

Our nanophysics group studies theoretically the quantum transport properties of nanostructured materials, in particular topological states of matter, with regards to their potential for solid-state quantum information processing. We collaborate closely with the experimental nanophysics group at Delft University of Technology, in the QuTech laboratory.

If you are interested in joining our team as a postdoc, please write to Carlo Beenakker: beenakker@lorentz.leidenuniv.nl

Web sites: Nanophysics group in Leiden: <http://lorentz.leidenuniv.nl/beenakker>

Nanophysics group in Delft: <http://qutech.nl>

The Instituut-Lorentz is affiliated with the Lorentz Center, which hosts workshops on topics of current interest and helps create a stimulating research environment:

<http://www.lorentzcenter.nl> Together with the nearby institutes for theoretical physics in Amsterdam and Utrecht we form the Delta Institute for Theoretical Physics: <http://www.d-itp.nl>

18.08.17

Postdoctoral Position in Theoretical Condensed Matter Physics at **Los Alamos** National Laboratory, USA;

The Physics of Condensed Matter and Complex Systems (T4) of Los Alamos National Laboratory has an opening for a post-doctoral fellowship in theoretical condensed matter physics October 2017 (or later). We work on a broad range of topics including unconventional

superconductors, heavy fermion materials, quantum phase transition and topological magnetic materials.

<http://www.lanl.gov/careers/career-options/postdoctoral-research/postdoc-program/index.php>

<http://www.lanl.gov/careers/career-options/postdoctoral-research/index.php?source=globalheadernav>

07.10.16

Postdoctoral opening, University of **Minnesota**;

start date in the summer or fall of 2017

<http://z.umn.edu/cmtheorypostdocburnell>

27.10.17

Rutgers Center For Materials Theory (**New Jersey**). Postdoctoral Fellowships 2018;

Deadline: Nov 24th, 2017. Initial review of applicants will be made starting Nov 27th, 2017, with rolling admission after this date.

<https://academicjobsonline.org/ajo/jobs/10193>

12.07.17

Presidential Postdoctoral Fellows at Cornell University Ithaca, **New York**

Deadline for all materials: October 1, 2017

<http://postdocs.cornell.edu/cornell-postdoctoral-fellowship-programs>

26.10.17

Postdoctoral Positions available at the SCGP, **New York**;

PHYSICS – preference will be given to candidates who apply BEFORE NOVEMBER 15, 2017, however the positions will remain open until filled.

MATHEMATICS – preference will be given to candidates who apply BEFORE NOVEMBER 30, 2017, however, the positions will remain open until filled.

<http://scgp.stonybrook.edu/archives/20291>

ENS-ICFP Junior Research Chairs, the research program funded by the Department of Physics at Ecole normale supérieure, **Paris** (France), that is now going into its sixth year.

The essential goal of this program is to recruit talented young scientists at the post-doc level, who will be able to rapidly develop top-level research at the department and develop their talents in an exciting research environment.

THE CALL FOR APPLICATIONS IS NOW OPEN for positions starting in September 2018; please see the call attached for more details as well as this year's dedicated poster.

Note that THE DEADLINE FOR APPLICATION WILL BE OCTOBER 30, 2017.

<https://www.phys.ens.fr/spip.php?article2159&lang=en>

03.10.17

A two-year postdoctoral position in statistical physics and condensed matter theory is available at LPTMS, a joint laboratory of CNRS and University **Paris-Saclay**, starting in the fall of 2018. The candidate is expected to study the interplay of thermalization and many-body localization in open quantum systems out of equilibrium in collaboration with A. Rosso. The candidate should have good background in statistical/condensed matter physics.

This position is financed by the ANR grant "Thermalization and Localization in quantum systems" and will include strong collaborations with D. Basko and M. Holzmann (LPMMC, Grenoble). Collaborations with F. Alet and N. Laflorencie (LPT, Toulouse) are also encouraged. Depending on the project and the candidate's expertise and preferences, the work might range from mostly analytical to largely numerical.

Applications including a CV, a list of publications, a brief description of past research and future interests should be sent to Claudine Le Vaou by email at secretariat.lptms@lptms.u-psud.fr. Applicants should also arrange for three letters of recommendation to be sent to the same address. Informal inquiries are welcome. Review of applications will begin on November 1st 2017 and continue until the position is filled.

25.10.17

Departement de physique, Universite de Sherbrooke, **Quebec**, Prize postdoctoral fellowship at Institut quantique;

We are looking for creative, talented researchers with a background and interest in quantum information, quantum materials or quantum engineering. Applicants should have an excellent publication record and/or a strong potential for technological transfer of their research results. Both experimental and theoretical candidates are encouraged to apply. Fellows will need to have completed their PhD in the 4 years prior to starting their position.

Université de Sherbrooke values diversity, equality and employment equity in its community, and welcomes applications from all qualified individuals, in particular women, members of visible and ethnic minorities, Aboriginal peoples and persons with disabilities.

ABOUT THE FELLOWSHIPS

- Highly competitive salaries are offered.
- Discretionary research and travel funds are included.
- Fellows are encouraged to drive their own research program and collaborate with researchers of their choosing.
- Fellows will have access to an internal funding competition and will be free to mentor students.
- Courses in languages, entrepreneurship and intellectual property are available at the Université de Sherbrooke.
- Dedicated support for patent applications is available.
- No teaching is required but involvement in summer schools and workshops is encouraged.

ABOUT US

The Institut quantique is a research institute at the Université de Sherbrooke that focuses on quantum science and technologies. We bring together experts in quantum materials, quantum information and quantum engineering with the aim of performing top-quality fundamental research and developing the quantum technologies of the future. Significant investment from the Canada First Research Excellence Fund (CFREF) is currently leading to a rapid increase in recruitment at the Institut quantique, including these fellowships and a number of new faculty positions.

Our institute includes state-of-the-art experimental and computational research infrastructure, maintained by a team of skilled technicians and research associates. We maintain a dynamic research environment with several weekly seminars as well as yearly summer schools and workshops in quantum materials, quantum information, mesoscopic physics or numerical methods. Research at the Institut quantique is highly collaborative and strengthened by well-established international connections.

HOW TO APPLY

- Submit a CV and a short description of your research interests and proposed research program (maximum 2 pages).
- Arrange to have 2 letters of recommendation forwarded directly to the institute.
- Applications and letters should be sent to postdoc-iq@USherbrooke.ca
- Applicants that are selected for an interview will be invited to visit Sherbrooke to give a seminar and meet potential collaborators.

WHEN TO APPLY

We encourage you to apply for the fellowship competition before NOVEMBER 30TH, 2017. However, numerous funding opportunities are available throughout the year and we recommend contacting IQ researchers regarding postdoctoral positions at any time.

André-Marie Tremblay Professor,
Department of Physics
Research Chair in the Theory of Quantum Materials

21.08.17

J. Michael Kosterlitz Postdoctoral Fellowship at Brown University, Providence, **Rhode Island**;

Application deadline: December 1, 2017

<https://apply.interfolio.com/42052>

11.05.17

RIKEN; indefinite-term Research Scientist or Senior Research Scientist to work for Strong Correlation Theory Research Group, RIKEN Center for Emergent Matter Science (Head of Laboratory: Naoto Nagaosa);

Application deadline: June 5, 2017

<http://www.riken.jp/en/careers/researchers/20170403/>

17.10.17

Postdoctoral position in Condensed Matter Theory at UCSC, **Santa Cruz**;

Appl Deadline: 2017/12/04 (posted 2017/10/15, listed until 2018/04/15)

<https://academicjobsonline.org/ajo/jobs/10194>

19.10.17

Faculty Position: Theoretical Condensed Matter Physics, Florida State University, **Tallahassee**;

Review of applications will begin on November 27, 2017 and will continue until the position is filled.

<https://www.physics.fsu.edu/faculty-position-theoretical-condensed-matter-physics>

15.11.17

Postdoctoral positions in Condensed Matter Theory are available at the Department of Physics of the University of **Tennessee**, Knoxville, in the group of Professors Elbio Dagotto and Adriana Moreo. Areas of interest are iron and copper based high critical temperature superconductors, influence of spin-orbit coupling on phase diagrams of correlated electrons, quasi one-dimensional chains and ladders, non-equilibrium properties of correlated electrons, oxide interfaces, bulk complex oxides, multiferroic materials, and others.

We are interested in a variety of many-body techniques, such as Monte Carlo simulations, density matrix renormalization group, exact diagonalization, density functional theory, dynamical mean field theory, and others.

Information about our group can be found in <http://sces.phys.utk.edu>. The main location for this work will be the University of Tennessee, but our group has a close connection with Oak Ridge National Laboratory where part of the postdoctoral effort could be performed.

To apply candidates should submit via email their application, CV, and statement of research interests to applications@sces.phys.utk.edu

The candidate should arrange for three letters of recommendation to be submitted to the same email address as indicated above.

Any questions about the available positions should be submitted to applications@sces.phys.utk.edu only. Screening of applicants will start immediately and continue until the positions are filled.

07.03.17

Texas A&M University, Postdoctoral Research Associate
start date for this position is September 1, 2017
<https://jobpath.tamu.edu/postings/107693>

18.05.17

Texas A&M University, Postdoctoral Research Associate
start date for this position is September 1, 2017
<https://jobpath.tamu.edu/postings/109689>

19.10.17

Postdoctoral position in the condensed matter theory group at the Center for Quantum Materials, University of **Toronto**;

Applications are invited for a postdoctoral position in the condensed matter theory group at the Center for Quantum Materials, University of Toronto. The areas of research interest include topological phases in correlated electron systems, frustrated magnets, quantum spin

liquid, quantum magnetism, quantum phase transitions, non-Fermi liquid physics, and superconductivity.

The position will start from Fall 2018 and the appointment is for two years. Interested applicants are asked to send

- 1) CV with publication list,
- 2) statement of research interest,
- 3) arrange 2-3 reference letters to be directly sent to ybkim@physics.utoronto.ca

The nominal deadline of the application is December 15th 2017, and applications will be considered until the position is filled.

08.09.16

post-doctoral position in condensed matter theory in the Laboratoire de Physique Theorique, **Toulouse**;

Starting date is flexible, from beginning to end of 2017

<http://www.lpt.ups-tlse.fr/spip.php?article1258&lang=fr>

12.01.17

postdoctoral position focused on MBL topics, **Toulouse**;

Starting date is flexible, from beginning to end of 2017

<http://www.lpt.ups-tlse.fr/spip.php?article1259&lang=fr>

28.09.17

Perimeter Institute (**Waterloo**) for Theoretical Physics is inviting applications for Postdoctoral Research positions. For more information please visit

our http://perimeterinstitute.ca/postdoctoral-fellowship-2018?utm_campaign=ACAD%20-%20Post%20Doctorate%20Fellows&utm_source=hs_email&utm_medium=email&utm_content=56829601&_hsenc=p2ANqtz--w7WulzjdnJOI76n0WKYzfiZIpGjheyhb6PO-yiCBb8ZYJb57aK73tTSrQZ0NKvaxE62-QFeJEcqqcVe8FliTgyeS6A&_hsmi=56829647

We hope you will share the news by:

1. Forwarding this information directly to prospective candidates who may be interested in this opportunity.
2. Printing and hanging the poster located here:
http://landing.perimeterinstitute.ca/hubfs/2018_Postdoctoral_Fellowships_poster.pdf?t=1506609063012&utm_campaign=ACAD%20-%20Post%20Doctorate%20Fellows&utm_source=hs_email&utm_medium=email&utm_content=56829601&_hsenc=p2ANqtz-8T7OmEtjPcmctOScfyYL6zJHrTYrgmlRqKnViWrbHO0e6Tf1XqGMlyXnMkc6i03RzEpxyR5uKDK8cSLdhZZtHk34ow&_hsmi=56829647.

Perimeter Institute offers a dynamic, multi-disciplinary environment with maximum research freedom and opportunity to collaborate. We welcome all candidates to apply by **November 15th, 2017** but applications will be considered until all positions are filled.

16.11.17

Perimeter Institute (**Waterloo**), Emmy Noether Fellowships (online by January 15, 2018) and Perimeter Scholars International programs are now accepting applications;
<http://perimeterinstitute.ca/about/careers/positions>

11.10.17

Perimeter Institute (**Waterloo**) for Theoretical Physics is inviting applications for a number of Junior Faculty positions (tenure track) in Condensed Matter Theory, Quantum Information Science and Theoretical Particle Physics. For more information please visit our website. [1]

We would be very grateful if you would circulate this information to outstanding young candidates who may be interested in this opportunity.

Perimeter Institute offers a dynamic, multi-disciplinary environment with maximum research freedom and opportunity to collaborate. We will begin to review the candidates for the CMT and QIS positions on December 15th, 2017 and for the TPP positions on January 15th, 2018. However, in all cases, applications will be considered until all positions are filled.

[1]http://landing.perimeterinstitute.ca/e1t/c/*W7Ns_0C5dGwZlW1vIB8c1H1k_60/*W7cW8qJ4d_4RVW6yhQWc1zDPhZ0/5/f18dQhb0S5fw8XJ8hgN78hn5KGX865N1yMd9n_-mcRN5H0SMfWQYFjW1td_ft7K0hXqW1HI_t31FQd_mW7b_h9Q61SRwjW7mGfcc2JZPrcW98RtjD6bMPqtW97k48y5C9f5BW4sgw3L1nrCGwW96zRPS6bT6L3W8RRjRD5Ckvr1W1fdmZQ1x4IQBW6HdqIT7nwG0kW6bnMRg6jW0SdW1GnGqp8gjY6LW8WBKbV56sy_8W2NhXFJ82ydjJW8k1gXn4BK_TbW7Mbvxl4BNM4FW4BCLtw4zhRWnN5ls-vBqCyrJVnn-cqf13vRnvW6wyzRF57bKMpW2dRxxB1V5dtzN4byRgVqcKjGW2MsJLV2qTbmNW2L54ZZ4zxZwdW1DkQ9l2Lt5f7W4IBZ6F6wVfGFV3WYy-73QsnmW1d5pgb5bMW11W2kK2P-1M719QW1bBsCL6JksvQW1mGQdp2LdjVIW3F--f18C4XKnW80w6zy8bMltLW6cdD_Q8BDnFHW8SjDXM6fFDCXVMVPVbVrLq8W42PlgJ2x86cq0

29.09.17

Yale Prize Postdoctoral Fellowship in Condensed Matter Theory

The Condensed Matter Theory group at Yale University seeks outstanding applicants for a Yale Physics Prize Postdoctoral Fellowship endowed by Yale University, to start in the Summer or Fall of 2018. Preference will be given to applicants with expertise in quantum aspects of condensed matter theory and research interests in the general areas of electron correlations, low-dimensional systems, topological phases of matter, disorder, cold atomic gases, and physics of quantum computation. Candidates should forward their CV with publication list and outline of research interests, and arrange for three recommendation letters. Candidates may also include up to four selected preprints and reprints. Electronic submission (in **PDF** format) of applications and supporting materials is strongly preferred. Please submit all materials, including recommendation letters, to <http://apply.interfolio.com/45164>. Early applications are encouraged.

Applications and letters must be received prior to October 28, 2017 to guarantee full consideration.

Yale is an Affirmative Action/Equal Opportunity Employer. Yale values diversity among its students, staff, and faculty and strongly welcomes applications from women, persons with disabilities, protected veterans, and underrepresented minorities.

05.09.17

Postdoc position at University of **Zurich**;

The Condensed Matter Theory Group at the Department of Physics of the University of Zurich invites applications for a postdoctoral researcher position in the field of topological and strongly correlated states of matter.

The successful applicant will work in the group of Prof. Titus Neupert which pursues research in the following fields: (1) topological insulators and semimetals, (2) unconventional superconductivity, (3) machine learning applications to quantum matter, (4) Quantum field theory descriptions of topological order, (5) numerical studies on the fractional quantum Hall effect and other correlated quantum liquids. See <http://www.physik.uzh.ch/en/groups/neupert.html> for more information.

The postdoctoral researcher is expected to conduct leading research in one or more of these areas with a large degree of independence and initiative. In particular, a background in numerical methods such as first-principle calculations, DMRG, or exact diagonalization, as well as strong programming skills are welcome. The work will greatly benefit from the rich local research environment (University of Zurich, Paul Scherrer Institute, ETH Zurich) and will further be embedded in international collaborations with both theoretical and experimental groups.

The successful applicant will be employed for two years and will receive an independent budget for research-related expenses (e.g., travels). The competitive salary follows the salaries for postdocs at the Department of Physics of the University of Zurich. Required qualification is a PhD in physics or equivalent. The position will start in the first half of 2018 or at some later date to be agreed upon.

To apply, please send a CV, a list of publications, a research statement, and the contact details of at least three references to Titus Neupert (neupert@physik.uzh.ch). For more information, please write to the same address. Applications are considered until the position is filled.