

Postdoctoral positions around the world:

26.01.17

Postdoctoral Research position in theoretical cold atom and many-body physics, Institute of Physics and Astronomy, **Aarhus** University; The starting date is ideally May 1 or as soon as possible thereafter.

The position is focused on the theoretical study of many-body systems with special focus on cold atomic gases. Specific research topics include strongly correlated atomic gases, polarons, superfluids, dipolar gases, and topological phases of cold atoms. The research is closely linked to current and future cold atom experiments and a goal is to suggest experimentally realistic methods to detect interesting many-body phases. The successful applicant can work directly with experimental groups abroad as well as locally in Aarhus.

The applicant will be part of a strong research environment at Aarhus University. This includes theoretical research groups investigating the many- and few-body properties of atomic gases, quantum optics and quantum information, as well as an experimental group exploring Bose-Einstein condensates and polaron physics. For further information on cold atom research at Aarhus University, see <http://phys.au.dk/forskning/forskningsomraader/atomar-molekylaer-og-optisk-fysik/>

For more information on the principal investigator, see [http://pure.au.dk/portal/en/persons/id\(99a4b2dd-d691-4551-a6dc-e2f3c3f38d8f\).html](http://pure.au.dk/portal/en/persons/id(99a4b2dd-d691-4551-a6dc-e2f3c3f38d8f).html)

Qualifications

The applicant must have a PhD degree in theoretical physics preferably with a strong background in many-body physics and/or cold atomic physics.

Formalities and salary

Salary depends on seniority as agreed between the Danish Ministry of Finance and the Confederation of Professional Unions. Currently, the monthly salary is around 4500€ plus 17.1% in pension. Foreign candidates may be eligible for tax reduction. Information about salary, tax, health insurance, accommodation etc. is available on: <http://ias.au.dk/international-academic-staff-ias/>

16.03.17

Two four-year Ph.D. positions and a two-year Postdoctoral position in condensed matter theory, Institute for Theoretical Physics of the University of **Amsterdam**; deadline applications: April 10, 2017
<http://jscaux.org/jobs/>

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>

20.12.16

A postdoc position will be available in my group in spring 2017.

Ideal candidates have a condensed-matter theory background and are curious about neighboring fields. I am looking for bright, motivated, and enthusiastic candidates that are interested to do research in areas of modern quantum physics like quantum coherence, opto- and nanomechanics, ultracold atoms, and superconductivity.

The Department of Physics at University of **Basel** offers excellent working conditions in a stimulating and world-class environment that includes the Basel Center for Quantum Computing and Quantum Coherence (QC2), the Swiss Nanoscience Institute (SNI), and the NCCR Quantum Science and Technology (QSIT).

Please contact me for further information, or send your application (CV, list of publications, and names and contact information three references who could supply recommendations).

Christoph Bruder
Department of Physics
University of Basel
Klingelbergstrasse 82
CH-4056 Basel, Switzerland
christoph.bruder@unibas.ch

30.11.16

Dahlem Center for Complex Quantum Systems at Freie Universität **Berlin**, two postdoctoral positions in Theoretical Condensed Matter Physics;
start evaluating applications on December 19, 2016

http://www.physik.fu-berlin.de/en/einrichtungen/dahlem_center_cqs/fellowship/docs/postdoctorial_positions_2017.pdf

13.01.17

Postdoc position in condensed matter theory and topological matter - University of **Birmingham**;

applications deadline: February 5, 2017

<http://www.jobs.ac.uk/job/AWN871/postdoctoral-research-fellow-in-condensed-matter-theory/>

08.11.16

Postdoctoral/Research Associate position in condensed matter theory at University of **Bordeaux**;

In the framework of the French National Research Agency (ANR) project « SUPERTRONICS » - *Control of superconducting currents via spin and field effects: fundamentals for an offbeat electronics* we have **an immediate opening of two-year position** of the Post-Doctoral/Research Associate in Condensed Matter Theory. *The post is initially for a period of 12 months and is renewable for a further 12 months.* The successful candidate will work in the group of Alexander Buzdin in LOMA (Laboratoire Ondes et Matière d'Aquitaine), University of Bordeaux, France (<https://www.loma.cnrs.fr/equipe-exostates/>).

The ANR project « SUPERTRONICS - Control of superconducting currents via spin and field effects: fundamentals for an offbeat electronics » is focused on the understanding and tailoring interface interactions between high-temperature superconductors, ferromagnets and ferroelectrics. The theoretical activity in Bordeaux is performed in close collaboration with the experimental groups of Javier Villegas (CNRS/Thales) and Jerome Lesueur (ESPCI).

The subject of research is the coupling between magnetism and superconductivity, including the dynamical effects and spin-orbit interaction. These studies should also pave a way to the optically driven superconducting electronics and spintronics. The exploratory work in this domain is in progress in the group of Brahim Lounis (LP2N, University of Bordeaux).

Theory group of Alexander Buzdin has numerous national and international collaborations with the leading scientists working in the field of superconductivity. The appointed Research Associate will participate in the development of the new fascinating domain in the Condensed Matter Physics.

We are looking for a highly motivated and enthusiastic candidate, preferentially with a strong background in the theory of magnetism and superconductivity.

This position is based at the Department of Physics, University of Bordeaux. Bordeaux is currently at the top of the list “the best places in France to live”.

The salary will depend on experience and is subjected to CNRS employment regulations.

The interested candidates are invited to submit CV, list of publications and reference contacts to Prof. Alexander Buzdin via email alexandre.bouzdine@u-bordeaux.fr

06.10.16

Postdoctoral position, **Boston** University;

Topics of investigation include: classical and quantum systems out-of-equilibrium, thermalization, many-body localization, Floquet systems, quantum criticality, topological matter and entanglement probes of quantum phases. The successful candidate will also have opportunities to collaborate with other members of the theory group, including C. Chamon, C. Laumann, P. Mehta, A. Polkovnikov and A. Sandvik.

The start date is flexible. The appointment is for two years and the position will remain open until filled. Candidates in the final stages of completing their PhD are strongly encouraged to apply.

The application material should include a CV, a list of publications and at least two recommendation letters, to be submitted by email to Anushya Chandran (anushyac@bu.edu).

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/>

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/>

08.02.17

University of **Delhi** has advertised faculty positions at the Assistant Professor level. This includes several openings in the Department of Physics and Astrophysics; deadline for applications: February 16, 2017
<http://work1.du.ac.in/rec2017/>

18.01.17

Four year SFI-funded Postdoctoral position, **Dublin** Institute for Advanced Studies (DIAS); commencing from as early as March 2017
<https://www.dias.ie/jobs/stp-csto-postdoc/>

16.03.17

University of **Erlangen**, W3 Professorship for Theoretical Physics; deadline for applications: April 15, 2017
<https://www.fau.eu/university/careers-at-fau/professorships/>

27.02.17

Professor in Theoretical Physics, Department of Physics, University of **Gothenburg**; applications deadline: April 23, 2017
http://www.gu.se/english/about_the_university/announcements-in-the-job-application-por-tal/?languageId=100001&disableRedirect=true&returnUrl=http%3A%2F%2Fwww.gu.se%2Fomuniversitet%2Faktuellt%2Fledigaanstallningar%2F%3Fid%3D19144%26Dnr%3D764504%26Type%3DS&Dnr=764504&Type=S

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.

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=>

10.10.16

Postdoctoral Opening in Theory of Correlated Quantum Materials at **Iowa** State University (Group Peter Orth);

My research group <<https://orth.physics.iastate.edu/>> at Iowa State University has an immediate opening for a Postdoctoral Associate starting in 2016/17. Applicants must have completed their PhD in physics or related areas before the starting date of the position. The research focus of my group is on the theory of strongly correlated quantum materials. We are particularly interested in the effects of competing interactions on electronic properties and in understanding their non-equilibrium dynamics. To address these questions, we employ both analytical field theoretical techniques such as the renormalization group and numerical methods such as Monte-Carlo simulations.

The lively condensed matter research environment at Iowa State University <<http://www.physastro.iastate.edu/>> and the Ames Laboratory <<https://www.ameslab.gov/highlights/dmse>> is unique in hosting a number of world-

leading experimental groups on material synthesis, neutron scattering, ARPES and ultrafast dynamics, with which we collaborate.

More information about the work of my group can be found under

<https://orth.physics.iastate.edu/>.

The position is expected to last for up to two years, initial appointment is for one year (1+1).

If you are interested in joining my team as a Postdoc, please write me an email including CV and a brief research statement to porth@iastate.edu

01.12.16

University of California, **Irvine**, postdoctoral positions in ultrafast nonlinear X-ray spectroscopy and quantum optics, theory and computations;

http://mukamel.ps.uci.edu/PDAnnounce_2016.pdf

apply online at: <https://recruit.ap.uci.edu/apply/JPF02945>

11.09.17

Presidential Postdoctoral Fellows at Cornell University, **Ithaca**, NY:
Deadline applications: 1 Oct. 2017

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

12.12.16

Two postdoctoral positions in condensed matter theory at the Institute for Nanotechnology and the Institute for Condensed Matter Theory of the **Karlsruhe** Institute of Technology (KIT);

Research areas include: disorder and interactions in quantum systems (in particular, many-body localization), topological quantum matter, and non-equilibrium quantum dynamics. While the current activity of our group is largely on the analytical side, applications by candidates with a background in advanced numerical approaches are strongly encouraged as well.

KIT provides an excellent research environment, with numerous strong experimental and theoretical groups in the field of condensed-matter physics, including quantum transport, superconductivity, mesoscopic physics, strongly correlated systems, quantum criticality, graphene, topological materials.

The positions will be initially for two years, with a possibility of an extension. The positions are intended to start in 2017; exact starting date is sufficiently flexible.

Evaluation of applications will start on December 20, 2016 and will continue until the positions are filled.

Further enquiries about these positions can be sent to alexander.mirlin2@kit.edu (Alexander lin) or igor.gornyi@kit.edu (Igor Gornyi).

Applicants should send a CV, a publication list, and a research statement to one of the above e-mail addresses. In addition, each applicant should arrange for two or three letters of recommendation to be sent to the same e-mail address.

03.04.17

Postdoctoral Position in Theoretical Condensed Matter Physics: investigating fractional topological insulators, University of **Kent**;

Deadline applications: 4 May 2017

https://jobs.kent.ac.uk/fe/tpl_kent01.asp?s=4A515F4E5A565B1A&jobid=40832,4587763472&key=49763913

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>

06.01.17

Postdoctoral Research Associate in Theoretical Condensed Matter [Ref.1621377]

The London Centre for Nanotechnology and University College **London** are pleased to offer a post-doctoral research position in theoretical condensed matter. The postdoc will pursue theoretical research into strongly correlated quantum systems, investigating the formation of new

phases due to quantum fluctuations. He/she will extend the quantum order by disorder approach to understanding these effects, expanding its scope to accommodate new types of order and developing analytical and numerical tools to implement it more accurately. The work will be carried out in the group of Prof A. G. Green and Dr F. Kruger and in close collaboration with the experimental groups of Prof Andrew Huxley in Edinburgh and Prof Des McMorrow in UCL who are also funded from this grant.

The position, which is funded by the EPSRC, is initially for two years with potential to extend. UCL Grade 7 Salary Range: £34,056 -£41,163 (including London allowance)

Start Date: 31st march 2017 or as soon thereafter as possible

<https://www.london-nano.com/our-people/vacancies/all>

Postdoctoral Research Associate in Experimental Condensed Matter [Ref.038486]

The University of **Edinburgh** is pleased to offer a post-doctoral research position in experimental condensed matter. The postdoc pursue experimental research into strongly correlated quantum systems, investigating the formation of new phases due to quantum fluctuations. The research work will include high quality crystal growth, very low temperature measurement and central facility experimental work. The work will be carried out in the group of Prof Andrew Huxley in close collaboration with the experimental group of Prof Des McMorrow and the theory group of Prof Andrew Green and Dr Frank Kruger in UCL who are also funded from this grant.

The position is funded by the EPSRC for up to 4 years.

Start Date: 31st march 2017 or as soon thereafter as possible

For informal enquiries contact: Prof Andrew Huxley, a.huxley@ed.ac.uk, tel.+44 (0)131 651 7053.

https://www.vacancies.ed.ac.uk/pls/corehrrecruit/erq_jobspec_version_4.jobspec?p_id=038486

EPSRC Funded PhD in Theoretical Condensed Matter

The London Centre for Nanotechnology and University College London are pleased to offer an EPSRC funded PhD position in theoretical condensed matter physics. The student will

pursue theoretical research into strongly correlated quantum systems, investigating the formation of new phases due to quantum fluctuations. He/she will investigate the quantum order by disorder route to understanding these effects, with the aim of incorporating them into established ab initio numerical approaches. The research will be carried out under the supervision of Prof Andrew Green in UCL and Prof Chris Pickard in Cambridge, and in close collaboration

with the theory group of Dr F. Kruger and the experimental groups of Prof Andrew Huxley in Edinburgh and Prof Des McMorrow in UCL.

The position will be funded by the EPSRC for 4 years.

To enquire contact: Prof Andrew Green, andrew.green@ucl.ac.uk

PhD projects in Edinburgh

Funded PhD positions are available in Edinburgh open to UK and International applicants. A list of projects in the Huxley group can be found at

http://cm-cdt.supa.ac.uk/research/phd_projects.php [1]

Please apply via <http://apply.supa.ac.uk> [2]

(note the closing date of 30 Jan 2017 for prize student applications)

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>

02.04.17

2 Postdoctoral Research Associates posts in condensed matter theory to study physical properties (electronic, magnetic, optical and thermoelectric) of twodimensional materials, their heterostructures, and mesoscopic systems based on such materials. National Graphene Institute (NGI), **Manchester**;

Deadline applications: 1 May 2017

<https://www.jobs.manchester.ac.uk/internal/displayjob.aspx?jobid=13231>

14.02.17

Postdoctoral Research Fellow, Theoretical Condensed Matter and Quantum Information Science, Laboratory for Physical Sciences, University of **Maryland**;

Application deadline: Saturday, April 1, 2017

<https://www.quantiki.org/position/postdoctoral-research-fellow-theoretical-condensed-matter-and-quantum-information-science>

04.08.16

University of **Minnesota**, Theoretical Condensed Matter Physics, postdoctoral Research Associate position;

<http://z.umn.edu/16wj>

07.10.16

Postdoctoral opening, University of **Minnesota**;
start date in the summer or fall of 2017

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

17.11.16

Postdoctoral opening, at Université de **Montréal**, *group of Prof. William Witczak-Krempa*;
My group in the Department of Physics at Université de Montréal has an opening for a postdoctoral fellow. The successful candidate will begin in September 2017 (the start date is flexible). The appointment is expected to last 2 years, subject to satisfactory performance in the first year.

Our research covers quantum phase transitions, topological states & materials (topological insulators, semimetals, spin liquids), novel characterization using entanglement, quantum dynamics, and magnetism. We use cutting edge field theory techniques, and numerical methods. The candidate will also be encouraged to interact with members of the other theoretical and experimental groups. More information can be found at

<http://physique.umontreal.ca/wwk/>

The application material should include a CV, a list of publications, 2-3 recommendation letters, and preferably be in pdf format. It should be directly emailed to: w.witczak-krempa@umontreal.ca

25.10.16

The Simons Center for Geometry and Physics, State University of **New York**, Stony Brook, is seeking Research Assistant Professors (postdocs) for three-year terms beginning September 1, 2017.

THE FULL POSITION POSTING FOR THEORETICAL PHYSICS CANDIDATES CAN BE VIEWED ON ACADEMIC JOBS ONLINE - THEORETICAL PHYSICS - APPLICATION INFORMATION [1]. THE APPLICATION DEADLINE IS NOVEMBER 30, 2016.

THE FULL POSITION POSTING FOR MATHEMATICS CANDIDATES CAN BE VIEWED ON MATH JOBS - MATHEMATICS - APPLICATION INFORMATION [2]. THE APPLICATION DEADLINE IS DECEMBER 31, 2016.

The Simons Center for Geometry and Physics and Stony Brook University are equal opportunity/affirmative action employers: women, people of color, individuals with disabilities, and veterans are especially encouraged to apply.

For more information please visit: Research Assistant Professors for Fall 2017 [3]

To unsubscribe from the SCGPOPPORTUNITIES list, click here [4] or visit

<http://scgp.stonybrook.edu/mailling-list/?l=scgpopportunities&a=unsubscribe>
Simons Center for Geometry and Physics [5]

Links:

- [1] <https://academicjobsonline.org/ajo/jobs/8337>
- [2] <https://www.mathjobs.org/jobs/jobs/9575>
- [3] <http://scgp.stonybrook.edu/archives/20291>
- [4] <http://scgp.stonybrook.edu/mailling-list/?l=scgpopportunities&a=unsubscribe>
- [5] <http://scgp.stonybrook.edu>

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>

16.12.16

The **New Zealand** Institute of Advanced Studies, Massey University invites applications for a Postdoctoral Fellowship in Computational Theoretical Physics of Quantum Gases; applications should be made before 20 January 2017
<http://massey-careers.massey.ac.nz/9646/postdoctoral-fellow-in-computational-theoretical-physics>

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/>

27.12.16

Post-Doctoral PositionS at Fudan University, **Shanghai**

- Description: 2 or more post-doctoral positions for a duration of 3 years (or more). One may choose to spend one year with Prof Ying Ran at Boston College, or Prof Yuan-Ming Lu at Ohio State University. The postdoc salary will be paid regularly during the time of visit.
- Requirement: analytical background in quantum many-body physics and/or numerical background (such as DFT, QMC, DMRG, ED).
- Benefits: internationally competitive salaries and benefits, and a generous travel and

research grant to encourage collaboration and interaction with the top notch physicists from around the world.

- Freedom: candidates will have the opportunities to invite visitors, propose and organize workshops and conferences. We especially encourage collaboration with local experimentalists.
- Research interest: both phenomenological/material and (abstract) fundamental sides of hard condensed matter physics.
- Research topics: topological phase of matter, complex quantum materials, strong spinorbit systems, frustrated magnetism, quantum spin liquids, quantum spin ice, iron-based superconductors, transition metal oxide interfaces, fractional quantum Hall effect, non-Fermi liquids, ultracold atomic and molecular systems, and so on.
- CMP at Fudan: the hard CMP experimental program is very large and includes Donglai Feng (ARPES), Tong Zhang (STM), Jun Zhao (Neutron scattering), Lei Shu (muSR), Shiyao Li (thermal transport), Yihua Wang (Floquet systems), Xiaofeng Jin (interface superconductor, anomalous Hall effect), Jian Shen (transitional metal oxides), Faxian Xiu (mesoscopic devices and films, transports), Hugen Yan (THz, optics), Yuanbo Zhang (low dimensional systems, graphene). The hard CMP group is expanding rapidly. The hard condensed matter theorists are Gang Chen, Yan Chen, Ling-Yan Hung, Yang Qi, Xin Sun, Ruibao Tao, Yidun Wan, Jing Wang, Yong-Shi Wu, Jiang Xiao, Yue Yu and so on. Newly admitted theory faculties are Gang Chen, Ling-Yan Hung, Yang Qi, Yidun Wan, Jing Wang and Xiaopeng Li. The starting time is flexible. Interested candidates please send a CV, a past research record and a research proposal and three reference letters to Gang Chen (gangchen.physics@gmail.com or gchen_physics@fudan.edu.cn).

10.12.16

Postdoc position in computational quantum matter theory group at National **Taiwan** University;

applications deadline: May 31, 2017

<https://academicjobsonline.org/ajo/jobs/8665>

17.01.17

Dirac Postdoctoral Fellowship in Theoretical Condensed Matter Physics, The National High Magnetic Field Laboratory, **Tallahassee**, Florida;

applications deadline: February 15, 2017

<https://nationalmaglab.org/staff-all/careers/dirac-postdoctoral-fellowship-in-theoretical-condensed-matter-physics>

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>

16.11.16

Postdoctoral Position in Condensed Matter Theory, 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 2017 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

We will start reviewing applications as early as December 15th 2016, 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>

16.02.17

Post-doctor position in condensed matter theory/materials theory, **Uppsala** University, Sweden;

Deadline: March 25th, 2017

<http://www.uu.se/en/about-uu/join-us/details/?positionId=134505>

02.04.17

Postdoctoral position in theoretical condensed matter physics at the University of **Waterloo**;

Deadline: May 1th, 2017

The research will be conducted with Prof. Michel Gingras in the area of frustrated classical and quantum magnetic/spin systems, focusing in particular in making contact with experimental work in this area; unconventional phase transitions beyond the Ginzburg-Landau paradigm; confined molecular systems at the nanoscale; and quantum effects in biological systems. More information about the research activities can be found at <http://michelgingras.co/>

The position will be for two years and there is a possibility to extend to a third year. Please send your application to: Pdfcmpwaterloo.2017@gmail.com including: a CV, list of publications summary of physics-interests and the names of three references, all in one single pdf file.

Do not ask your letter writers to send references at this time.

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.