

Amena L T Khan
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Education

2005 Ph.D. in Physics
 University of Cambridge

1999 M.Sc. in Semiconductor Science & Technology
 University of London, Imperial College

1998 B.Sc. (Hons) in Physics
 University of London, Queen Mary & Westfield College

Professional Experience

Teaching

Fall 2019- Assistant Professor of Instruction, Department of Physics, University of Texas at Dallas

Fall 2015- Lecturer I, Department of Physics, University of Texas at Dallas

Fall 2007 Adjunct Professor, Department of Physics, University of Alberta

1999 Class Tutor for Key Stage 3 (9th Grade) Students, Keen Students Supplementary School

1998-1999 Tutor for Science and Mathematics A Levels and GCSE, Keen Students Supplementary School, London

1996-1997 Science Tutor for years 8-10, Central Foundation Secondary School, London

Research

2013-2015 Research Assistant Professor, Department of Physics, University of Texas at Dallas

2006-2008 Post-Doctoral Research Fellow, Department of Physics, University of Alberta

Other Work Experience

2000 Editorial Assistant, Keesings Records of World Events, Cambridge

Organization and Leadership Experience

1. President, *Physics and Astronomy Society*, Queen Mary & Westfield College, University of London, 1997-1998
2. Member, STEM Advisory Board, Harmony School of Business, Dallas, 2014-2015
3. Student Representative, *Graduate Students Consultative Committee*, Department of Physics, University of Cambridge, 2003

4. Student Representative, Department of Physics, Queen Mary & Westfield College for *Nexus* of the Institute of Physics, 1997-1998
5. Student Representative, *Main Library Consultation Committee*, Department of Physics, Queen Mary & Westfield College, 1996-1997
6. Student Representative of the year in the *Student-Staff Liaison Committee*, Department of Physics, Queen Mary & Westfield College, 1995-1998
7. Participated in Interfaith Forums and Women's' Groups in Canada, Australia and the US.

Invited Talks and Presentations

1. Invited Talk, Girls, Inc. SMART Eureka! Summer Program, *Life and Challenges of a STEM Professional*, University of Texas at Dallas, June 2014
2. Invited Talk at the Institute of Physics at *Nexus* meeting of University Physics Society Presidents, London, UK, "*Recruiting Members for a Student Physics Society*", December 1997
3. Invited Talk, Seminar Series, Physics Department, Queen Mary, University of London, "*Understanding the Photophysics of Semiconducting Polymers*", November 2001
4. Talk, Microscopical Society Canada, Edmonton: "*Nanoscale passivation of Si (100) surface from physisorbed molecular hydrogen at $T= 5 K$* ", June 2007
5. Talk, American Physical Society March 2007 Meeting, Denver: "*STM-induced passivation of Si (100) surface from physisorbed molecular hydrogen at 5 K*", March 2007

Conferences and Schools

1. iCore Alberta Summit, August 2007, Banff
2. Microscopical Society Canada Annual Meeting, June 2007, Edmonton
3. American Physical Society March 2007 Meeting, Denver
4. CIAR Nanoelectronics Meeting, November 2006, Banff
5. "LAMINATE" Spring School of Sciences and Applications of Conjugated Polymers and Related Materials, May 2003, Siena
6. 5th International Topical Conference on Optical Probes of Conjugated Polymers and Organic & Inorganic Nanostructures (OP2003), February 2003, Venice
7. Optoelectronics Winter School, Campitello di Fassa (2001, 2003), Sauze d'Oulx (2002)
8. 6th European Conference on Molecular Electronics (ECME), September 2001, Kerkrade
9. International Conference on "Students as Mentors" organized by BP, 1997, London
10. Scientific Visit, Institute for Physics and Astronomy, University of Potsdam, July 2006

Awards/Scholarships and Offers

1. Assistant Professor in Physics (2011), Asian University for Women. Offer declined due to relocation
2. Senior Fellowship at CERN (2008). Offer declined due to relocation
3. CIFAR Fellowship, University of Alberta, 2007
4. Avadh Bhatia Post-doctoral Fellowship, University of Alberta, 2006
5. Lundgren Research Award, University of Cambridge, 2003, 2005
6. Full Ph.D. funding: Malaysian Commonwealth Fees Scholarship, Cambridge Commonwealth Trust and Maintenance Award, Cambridge Display Technology

Publications and WoS Citations

1. A. Köhler, A. L. T. Khan, J. S. Wilson, C. Dosche, M. K. Al-Suti, H. H. Shah, M. S. Khan, *The Role of C-H and C-C stretching modes in the intrinsic non-radiative decay of triplet states in a Pt-containing conjugated phenylene ethynylene*, J. Chem. Phys., 136, 094905 (2012) – **citations: 14**
2. A. Hayer, A. L.T. Khan, R. H. Friend, A. Köhler, *Morphology dependence of the triplet excited State absorption in polyfluorene*, Phys. Rev. B., **71**, 241302-1 - 241302-4 (2005) – **citations: 59**
3. A. L. T. Khan, P. Sreearunathai, L. Herz, M. J. Banach, A. Köhler, *Morphology-dependent Energy transfer within polyfluorene thin films*, Phys. Rev. B., **69**, 085201-1 - 085201-8 (2004) – **citations: 165**
4. A. L. T. Khan, M. J. Banach, A. Köhler, *Control of π -phase formation in polyfluorene thin films via Franck-Condon analysis*, Synth. Met., **139**, 905-907 (2003) – **citations: 28**
5. M. B. Johnston, L. M. Herz, A. L. T. Khan, A. Köhler, A. G. Davies, E. H. Linfield, *Low-Energy vibrational modes in phenylene oligomers studied by THz time-domain spectroscopy*, Chem. Phys. Lett., **377**, 256-262 (2003) – **citations: 81**