Amena L T Khan
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Citizenship/Status: US Citizen

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

2023-	Associate Professor of Instruction, Department of Physics, University of Texas at Dallas
2020-2023	Assistant Professor of Instruction, Department of Physics, University of Texas at Dallas
2019-2020	Senior Lecturer I, Department of Physics, University of Texas at Dallas
2015-2019	Lecturer I, Department of Physics, University of Texas at Dallas
Fall 2007	Adjunct Professor, Department of Physics, University of Alberta

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

Professional Service Activities

March 2023-	*Elected* Secretary/Treasurer, Texas Section of American Physical Society (TSAPS)
2023-	Chair, TA Award Committee, Department of Physics, University of Texas at Dallas
2023-	Faculty Search Committee for Professor of Instruction, University of Texas at Dallas
2023-	Eclipse Planning Committee, University of Texas at Dallas
2022-	Faculty Development Committee, Department of Physics, University of Texas at Dallas
2022-	Educational Technology Committee, University of Texas at Dallas
2022-2023	Faculty Search Sub-Committee (Quantum), Department of Physics, University of Texas at Dallas
2019-	TA Award Committee, Department of Physics, University of Texas at Dallas
2019-	SACSCOC Committee, Department of Physics, University of Texas at Dallas

Outreach and Public Engagement

2022-	Member, School-Based Improvement Committee, Skaggs Elementary School, Plano
2023	Judge, Oral and Poster Presentation, Fall 2023 TSAPS Meeting, Angelo State University, Texas
2023	Judge, Poster Presentation, Conference for Undergraduate Women in Physics (CUWiP), Texas Christian University, Fort Worth
2014-2015	Member, STEM Advisory Board, Harmony School of Business, Dallas, 2014-2015
1997-1998	Coordinator, Science Club aimed at creating scientific vocabulary in young children with concurrent participation of parents, Malmesbury Infant School, London

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. Malaysian Commonwealth Fees Scholarship, Cambridge Commonwealth Trust, Maintenance Award Cambridge Display Technology, 2000-2003

Organization and Leadership Experience

1. *Elected* President, *Physics and Astronomy Society*, Queen Mary & Westfield College, University of London, 1997-1998
2. Student Representative, *Graduate Students Consultative Committee*, Department of Physics, University of Cambridge, 2003
3. Student Representative, Department of Physics, Queen Mary & Westfield College for *Nexus* of the Institute of Physics, 1997-1998
4. Student Representative, *Main Library Consultation Committee*, Department of Physics, Queen Mary & Westfield College, 1996-1997
5. Student Representative of the year in the *Student-Staff Liaison Committee*, Department of Physics, Queen Mary & Westfield College, 1995-1998

Conferences and Schools

1. Workshop for New Physics and Astronomy Faculty, American Association of Physics Teachers, November 2021, Online
2. iCore Alberta Summit, August 2007, Banff
3. *Nanoscale passivation of Si (100) surface from physisorbed molecular hydrogen at T= 5 K*, Oral Presentation, Microscopical Society Canada, Edmonton, June 2007
4. *STM-induced passivation of Si (100) surface from physisorbed molecular hydrogen at 5 K*, Oral Presentation, American Physical Society March 2007 Meeting, Denver: March 2007
5. *Morphology-dependent energy transfer within polyfluorene thin films,* Poster Presentation, 5th International Topical Conference on Optical Probes of Conjugated Polymers and Organic & Inorganic Nanostructures (OP2003), February 2003, Venice
6. *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*, Poster Presentation, 6th European Conference on Molecular Electronics (ECME), September 2001, Kerkrade
7. CIAR Nanoelectronics Meeting, Poster Presentation, *STM-induced passivation of Si (100) surface from physisorbed molecular hydrogen at 5 K*, November 2006, Banff
8. "LAMINATE" Spring School of Sciences and Applications of Conjugated Polymers and Related Materials, May 2003, Siena
9. Optoelectronics Winter School, Campitello di Fassa (2001, 2003), Sauze d'Oulx (2002)
10. International Conference on "Students as Mentors" organized by BP, 1997, London
11. Scientific Visit, Institute for Physics and Astronomy, University of Potsdam, July 2006, Potsdam

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: 19***
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: 76***
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: 206***
4. A. L. T. Khan, M. J. Banach, A. Köhler, *Control of β-phase formation in polyfluorene thin films via Franck-Condon analysis*, Synth. Met., **139**, 905-907 (2003) – ***citations: 31***
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: 87***