

Hasan Amjad

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EMPLOYMENT

- 2007 - *Visiting Fellow*, Computer Laboratory, University of Cambridge, UK
Research Associate, School of Computing, Middlesex University, UK
- Devising formal models and guarantees about the future behaviour of computer systems.
- Automatic correctness proofs for concurrent programs.
- Proof systems for multiple-theory automated reasoning.
- 2003 - 2007 *Research Assistant*, Computer Laboratory, University of Cambridge, UK
- Combining deductive methods with constraint solvers and optimisers.
- Algorithms for minimising formal proof by eliminating redundant facts.
- 1999 - 2000 *Developer*, Align Technology Inc., Pakistan
- 3D graphics technology for medical visualization.

SERVICE

- 2008 Programme Committee: International Conference on Theorem Proving in Higher Order Logics
2007 - Working Group: SMT-LIB proof format standardisation
2003 - Development : HOL proof system (hol.sourceforge.net)

EDUCATION

- 2000 - 2004 Ph.D. Computer Science
Automated Reasoning Group, Computer Laboratory, University of Cambridge, UK
- 1998 - 1999 M.Sc. Mathematics and the Foundations of Computer Science
Mathematical Institute, University of Oxford, UK
- 1994 - 1997 B.Sc. (Hons.) Computer Science
Dept. of Computer Science, Lahore University of Management Sciences, Pakistan

TECHNICAL SKILLS

- Languages SML/OCaml, C/C++, Java, Mercury
Maths Logic, discrete maths and theoretical computer science (strong); continuous maths (familiar)
OS Linux (daily use), Windows (familiar)

AWARDS

- 2009 - 2011 Researcher Co-Investigator, EPSRC Research Grant (will be at University of Cambridge)
2004 Trinity College (Cambridge) Graduate Studentship
2000 - 2003 Trinity College (Cambridge) External Research Studentship
Overseas Research Scholar Award
2000 Commonwealth Scholarship (Honorary)
Commonwealth Fellow
Merton College (Oxford) Harmsworth-Domus Graduate Scholarship (Declined)
1999 Worcester College (Oxford) Cash Prize for Academic Performance
Distinction in M.Sc. MFOCS programme (Oxford University, top candidate)
1996 Dean's Honours List

PERSONAL

- D.O.B. 25th January, 1975
Nationality British & Pakistani