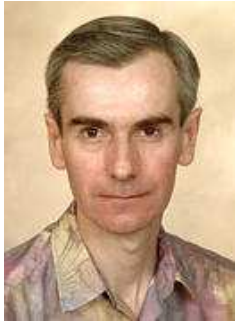


# Ian Glendinning



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## Personal Information

- Born 14th December 1958 in Newcastle upon Tyne, England
- Married, one child (10 years old)
- British citizen

## Education

December 1986 Ph.D, Experimental High Energy Particle Physics, University of Manchester  
June 1981 Dip. Adv. St. Sc., Physics, University of Manchester  
June 1980 B.Sc., Physics, University of Manchester  
1979 Hatfield Scholarship, University of Manchester  
1979 Mosley Physics Prize, University of Manchester

## Work History

- 10–12/2010 **Information Retrieval Facility – IRF**  
*Post-Doctoral Assistant*
- Developed and prepared proposals responding to calls from the Austrian FFG and the EU's FP7 programme
  - Participated in training course by RightScale on Cloud Computing
- 11/2009–  
01/2010 **itworks Personalservice**  
*Software Developer*
- Assignment with Delta Hedge GmbH, Vienna: Development of software products for the financial services sector (C++)
- 03–06/2009 **AIT Austrian Institute of Technology** (former ARC Austrian Research Centers)  
*Trainee, Safety & Security Department, Business Unit Quantum Technologies*
- Implemented efficient C++ Versions of MATLAB algorithms for image and signal processing, with applications in pattern recognition
- 2006–2009 Private Research activities - Participation in:
- Course “JAVA Programming”, bfi Vienna, Oct.–Dec. 2008
  - SECOQC Quantum Key Distribution (QKD) conference, Oct. 8–10, 2008
  - HPC – High Performance Computing in Research, ARC, April 15, 2008
  - Opening of “IBM High Performance Computing Competence Centre”, Vienna
  - CEQIP '07, 4th Central European Quantum Information Processing Workshop
  - SECOQC project Quantum Information Theory (QIT) meeting, ARC, April 2007
  - Quantum Information Algorithms (QIA) working group at ARC
  - CEQIP '06, 3rd Central European Quantum Information Processing Workshop
- 1995–2006 **University of Vienna**  
*Research Assistant, Department of Scientific Computing, European Centre for Parallel Computing at Vienna (VCPC)*
- Implemented a quantum mechanical simulation program in MATLAB
  - Coordinated the writing and submission of proposals for EU-funded projects

- Developed a parallel version of a quantum computer simulator in C++, using MPI on a Linux-Cluster
  - Carried out a feasibility study for the parallelisation of two industrial Fortran codes on Unix and Linux clusters
  - Performed technical management of VCPC's tasks in the Esprit project VICAR (Video Indexing, Classification, Annotation and Retrieval)
  - Employed program analysis tools to develop a parallelisation strategy for a large satellite signal processing code from NASA (The "Magellan SAR Processor")
  - Supported the use of the Message-Passing Interface (MPI) on a "Meiko CS-2" parallel computer with 136 SPARC processors
- 1990–1995 **University of Southampton**  
*Computing Officer*, High Performance Computing Centre, and *Research Fellow*, Concurrent Computation Group
- Participated in the design of the MPI Message Passing Interface Standard
  - Evaluated the performance of parallel systems
  - Ported the "GENESIS" distributed-memory benchmark suite from PARMACS to PVM, and tested it on a "Meiko CS-2" multi-processor
  - Supervised the evaluation and development of software tools for performance visualisation of parallel programs within the EU-funded GENESIS project
- 1988–1990 **Fidelio Software GmbH**, Munich  
*Programmer*
- Developed programs to interface the "Fidelio Hotel Management System" to telephone, pay-TV, and point-of-sale systems
  - Installed interfaces at clients' hotels throughout Europe
  - Designed an SQL database schema for a new hotel management system
  - Wrote a menu program in C to drive the Fidelio hotel management system
- 1986–1988 **University of Southampton**  
*Research Fellow*, Computational Physics Group and Concurrent Computation Group
- Developed a software module to perform the re-ordering of transputer links necessary to fully exploit link-switching hardware developed within the EU-funded 'Supernode' project
  - Integrated the above module into the INMOS 'occam' compiler
  - Managed a VAX 11/750 Computer
- 1983–1985 **Software Sciences Limited**, Macclesfield  
*Programmer*
- Developed assembler code for modules within a submarine command and control system

## Skills

- Parallel Computing: MPI, PVM
- Programming Languages: C, C++, MATLAB, Java, Assembler, Fortran, BASIC, occam, Pascal
- Operating Systems: Unix, Linux, Windows, DOS, VAX/VMS, VM/CMS, MVS
- Databases: SQL, dBASE
- Languages: English (native speaker), German (fluent), Italian & French (basic)
- Driving Licence: B, C1, D, F