

# Tim Oliver

39a Woodville Gardens  
London W5 2LL  
Home: 020 8810 9280 Mobile: 07879 637 074  
mail@taoliver.com  
www.taoliver.com

## IT/computing

- Over 20 years computing experience; 12 years experience programming parallel and distributed computer systems.
- Administering PCs: from initial specification and assembly to OS and application installation and configuration, networking and maintenance.
- Wide experience of administering and using Linux systems and other open source software.
- Developed software distribution website using Zope CMS.

## Software research and development

- Designed and implemented distributed framework using CORBA and C++ to support an existing parallel application in a heterogeneous distributed computing environment.
- Investigated use of emerging distributed object technologies for scientific computing, especially CORBA, Java, servlets, web servers and browsers.
- Developed a portable parallel I/O performance test suite using Fortran90 and MPI-2.
- Designed a C version of an existing large Fortran scientific library: resolve language differences, minimize effort through automatic code generation and checking, documentation design and production. This library is now a Fujitsu product.
- Designed and implemented an object-based library for distributed sparse matrices using C and MPI. This library was used in a commercial oil reservoir simulator.
- Investigated methodology and design of algorithms for fine-grained, highly parallel computer systems. Awarded Ph.D. for this work.
- Designed and developed cutting-edge scientific numerical library for distributed computer systems.

## Teaching

- Developed and taught intensive 1–5 day courses on parallel programming for industry.
- Developed and taught postgraduate and undergraduate courses in programming, computer architectures and parallel programming.

## Interests

- Leading bible study, Sunday School and youth club groups at church.
- Enthusiastic traveller who enjoys organising expeditions. Modes of travel have included bicycle, sailing boats, and public transport. I have explored Europe, Scandinavia, Central America, and spent one year travelling through the Middle East, the Indian subcontinent, and South East Asia.
- Walking, camping, sailing, cycling, swimming, music and reading.

## Employment

2002	Fujitsu European Centre for Information Technology, London Website developer
1996–1999	Fujitsu European Centre for Information Technology, London Research Scientist
1987–1995	University of Liverpool Research Associate and Honorary Lecturer

## Education

1994	University of Liverpool Ph.D. – Computational Mathematics
1987	University of Cambridge BA – Natural Sciences/Computer Science