



full name	Robert John Briscoe
date of birth	5th March 1962
nationality	British
languages	native English, passable French & usable German
health	excellent
family	happily married, 3 sons all left home
driving licence	full, clean
e-mail	bob.briscoe@bt.com
home page	http://www.cs.ucl.ac.uk/staff/B.Briscoe/
home address	Home Farm, Parham, Woodbridge Suffolk, IP13 9NW, England
tel (day)	+44 (0)1473 645196
tel (mobile)	+44 (0)7718 902848

Skills & Knowledge

Big picture and details | Disruptive technical & commercial innovation | perverse but practical design leaps | identify tough but solvable commercial challenges | strong leadership | voracious reader | excellent memory | question from first principles | enjoy teaching and self-teaching | conscientious & persistent | original, familiar communication | sound management (delegated in recent years)

Global internetwork, systems & middleware architecture & design | network economics | industrial organisation (enabling viable new market structures) | traffic control & quality of service | Internet protocol design | security protocol design | secure & available system design | algorithm design | naming and addressing | network management | commerce platforms | business processes (including multi-cultural) | distributed computing | multi-vendor networks and systems interoperation.

Awards & Publications

Publicity & Reputation: 45 invited talks in international fora over the last 5 years, including 11 keynotes and 4 expert panels. Frequent requests for book or article reviews for publications such as Wiley books, IEEE/ACM Transactions on Networking, ACM SIGCOMM, ACM Computer Comms Review, etc.

Awards: BT's Gordon Radley Award for Best Author of Innovation (2007) & (2008); BT's Sir Alan Rudge Award for Innovation (Medal winner 2001) & (Certificate of Commendation: 2000); The Conference of Professors and Heads of Computing & British Computer Society Distinguished Dissertation Award (nominated 2009 - judging in progress).

Publications over research career since 1996: 14 patents granted and 17 pending; 9 peer-reviewed articles in journals such as ACM Computer Communications Review; 3 book chapters; 7 papers in international conferences including ACM SIGCOMM, ACM E-Commerce, Personal Indoor & Mobile Radio Comms; 2 groundbreaking articles in IEEE Spectrum magazine; 4 IETF RFCs (1 standards track); 6 IETF drafts in process (3 standards track) plus 9 proposed Internet drafts being maintained; 13 workshop papers; and numerous other published reports and contributions. Publications of particular note:

- *A Fairer, Faster Internet Protocol*, Bob Briscoe (BT), IEEE Spectrum, Dec 2008 pp38-43
- *Flow Rate Fairness: Dismantling a Religion*, Bob Briscoe (BT & UCL), ACM CCR 37(2) 63--74 (Apr 2007)
- *Metcalfe's Law is Wrong*, Bob Briscoe (BT) and Andrew Odlyzko (Uni Minnesota) and Benjamin Tilly (Rent.com), IEEE Spectrum, Jul 2006 pp26-31
- *Policing Congestion Response in an Internetwork using Re-feedback*, Bob Briscoe (BT & UCL), Arnaud Jacquet (BT), Carla Di Cairano-Gilfedder (BT), Alessandro Salvatori (Eurécom & BT), Andrea Soppera (BT) and Martin Koyabe (BT) in Proc. ACM SIGCOMM'05, Computer Communications Review 35(4) (Sep 2005)

Career

May 2004 - present

BT Group CTO,
Chief Researcher

Jan 2003 - Apr 2004

BTextact Technologies; Research
Chief Researcher

Networks Research Centre

Apr'08-...: **Global Information Infrastructure Commission.** Matt Bross, BT CTO initiated GIIC process for the CxOs of the world's ICT corporations to decide whether to champion our proposed change to the Internet Protocol.

Nov'08-...: Initiated and lead **Internet Research Task Force's** Capacity Sharing Architecture design team.

Jan'08-Dec'10: **Trilogy.** BT initiated and led consortium to re-architect the Internet.

Jan'08-...: MIT Communications Futures Programme **Interconnection w-g;** Co-chair.

Jun'06-...: **IETF** pre-congestion notification (PCN) w-g; Initiated and continue to lead.

Jun'03-'06: **Comms Research Network (CRN):** Initiated and led this MIT-Cambridge Uni

industry collaboration.

Jan'03-....: BT's Future Comms Architecture (FCA) strategic research programme:
Initiated and lead, focusing particularly on network economics & security.

Dec 2001 - Dec 2003

BTexact Technologies, Research
Lab Manager

Dec 2000 - Oct 2001

BT ExaCT, Research
Singleton Technical Group Leader

Jan 1998 - Nov 2000

BT ACT Research
Professional Technical grade

Dec 1994 - Jan 1998

BT Research, Information
Systems
Senior Professional grade

Apr 1988 - Dec 1994

BT Dev't, Technical Services
Senior Professional grade

Jul 1984 - Apr 1988

BT Tech Exec, Design Svcs;
Professional grade

Further Education

Jun 2009
Jun 1984 & Feb 1988
Sep 1980 - Jun 1984

University College London, PhD (Computer Science)
Uni Cambridge Bachelor of Arts & Master of Arts (Engineering)
BT Student (broad introduction to comms business, technology & theory plus degree sponsorship)

Personal Interests

* Active youth group (Woodcraft Folk) leader
* Active Morris dancer
* Active Historical Reenactor (C15-16)

* Manage our family farm (arable) & keep farmyard stock
* Secretary/trustee of Natural Energy Education Charity

Referees

Ivan Boyd
Head of Research Operations,
pp RT4M Rm 1, Pegasus Tower,
Adastral Park, Martlesham Heath,
Ipswich, IP5 3RE, England
e-mail: ivan.boyd@bt.com
Tel +44 (0)1473 646733

Jon Crowcroft
Marconi Professor of Communications Systems
University of Cambridge, Computer Laboratory
William Gates Building, J J Thomson Avenue
Cambridge, CB3 0FD, England
e-mail: Jon.Crowcroft@cl.cam.ac.uk
Tel +44 (0)1223 763633