

EDITORIAL TEAM

Brian Runciman Managing editor
Helen Boddy Assistant editor
Justin Richards Assistant editor
Henry Tucker Assistant editor

DESIGN TEAM

Marc Arbuckle Art editor
David Williams Graphic assistant

Advertising

Email: bcs@mongoosemedia.com
Tel: 020 7306 0300, extension 106

Keep in touch

Contributions are welcome for consideration.
Please email: editor@bcs.org

ITNOW is the membership magazine of the BCS. It is sent to more than 63,000 IT professionals, from systems developers to directors, and consultants to training and education specialists.

A subscription to *ITNOW* comprises six issues. All prices include postage, and for subscribers outside the UK delivery is by Standard Air. Annual subscription rate: Institutional: print edition and site-wide online access: £130/US\$260/€195; print edition only: £124/US\$248/€186; site-wide online access only: £124/US\$248/€186. Personal: print edition and individual online access: £124/US\$248/€186. For payment details and terms and conditions, please see www.combul.oupjournals.org/subinfo. The current year and two previous years' issues are available from Oxford University Press. Previous volumes can be obtained from the Periodicals Service Company, 11 Main Street, Germantown, NY 12526, USA. Email: psc@periodicals.com. Tel: +1 518 537 4700. Fax: +1 518 537 5899. For further information, please contact: Journals Customer Service Department, Oxford University Press, Great Clarendon Street, Oxford OX2 6DP, UK. Email: jnls.cust.serv@oxfordjournals.org Tel (and answerphone): +44 (0)1865 353907 Fax: +44 (0)1865 353485

Registered Charity No 292786

The opinions expressed herein are not necessarily those of The British Computer Society or the organisations employing the authors.
© 2008 The British Computer Society.

Copying: Permission to copy for educational purposes only without fee all or part of this material is granted provided that the copies are not made or distributed for direct commercial advantage; the BCS copyright notice and the title of the publication and its date appear; and notice is given that copying is by permission of The British Computer Society. To copy otherwise, or to republish, requires specific permission from the publications manager at the address below and may require a fee.

Printed in Great Britain by St.Ives (Andover) Ltd.
ISSN 1746-5702. Volume 50, Part 3.

The British Computer Society

First Floor, Block D, North Star House,
North Star Avenue, Swindon SN2 1FA, UK
tel +44 (0)1793 417 417;
fax +44 (0)1793 417 444;
www.bcs.org
Incorporated by Royal Charter 1984.

Feedback

Rachel Burnett, BCS President:
president@hq.bcs.org.uk

David Clarke, chief executive:
CEO@hq.bcs.org.uk



16 Ethics is more than skin deep

Adam Thilthorpe and Penny Duquenoey take look at the implications of ethics for an IT professional.

06 Robosoldier

The use of technology in warfare is controversial – can a robot really behave more ethically than a human?

08 Time to wake up?

Blay Whitby analyses some new ethical problems – caring systems and vulnerable users.

09 Goldilocks finds her moral compass

Goldilocks is concerned with her carbon rewards project, as told to Alan Freeland.

10 Mobile ethics

Matt Jones and David Frohlich describe an innovative project in a rural Indian village.

12 Cleaning up the carbon footprints

Liam Newcombe looks at the emotive subject of data centres and their impact.

14 Information - lifeblood or pollution?

The dependency on IT to publish and consume information has impacted us all – what about information integrity?

+ 4Member news 20Interview 22Education supplement
30Reviews 32Legal 33Feedback 34Special report