

THE INSTITUTE OF MATHEMATICS AND ITS APPLICATIONS



NINTH IMA INTERNATIONAL CONFERENCE ON

CRYPTOGRAPHY AND CODING

16 - 18 December 2003

Royal Agricultural College, Cirencester, UK

Co-sponsored by Hewlett-Packard Laboratories, Vodafone and the IEEE
UKRI Communications Chapter

ANNOUNCEMENT AND CALL FOR PAPERS

The mathematical theory and practice of cryptography and coding underpins the provision of effective security and reliability for data communication, processing and storage. Theoretical and practical advances in the fields of cryptography and coding are therefore a key factor in facilitating the growth of data communications and data networks of various types. Thus, this Ninth International Conference in an established and successful IMA series on the theme of "Cryptography and Coding" is both timely and relevant.

Contributed Papers:

Contributed papers are sought on all aspects of the theory and applications of cryptography and coding. Possible topics include source coding, data compression, channel coding, error control coding, combined coding and modulation, coding for multiple-access, coding for multi-media, quantum coding, multi-functional coding, sequence design, cryptographic algorithms, cryptanalysis, public key cryptography, authentication, key management, data integrity, secure and reliable protocols, interaction between cryptography, coding, combinatorics and other relevant topics.

Instructions for Contributors:

Contributed papers should be submitted no later than **1 July 2003**. Submission is not anonymous, and submission should be in the form of a full paper. Electronic submissions by e-mail to conferences@ima.org.uk are strongly encouraged. These must contain the title, contact author e-mail address, author names, and author affiliations in the covering e-mail. Preferred electronic formats are postscript and pdf. Microsoft Word submissions are discouraged, as the conference proceedings will be processed using latex and llns style files. Paper submissions, if strictly necessary, can be made to Pamela Bye at The Institute of Mathematics and its Applications, Catherine Richards House, 16 Nelson Street, Southend-on-Sea, Essex SS1 1EF.

Submissions of all types should not exceed 15 pages excluding bibliography and appendices, and at most 20 pages total using at least 11-point fonts with reasonable margins. The introduction should summarise the contributions of the paper at a level appropriate for a non-specialist reader. Authors will be notified of acceptance by **August 15th 2003**. The proceedings of this conference will be published in Springer's Lecture Notes in Computer Science series. Final versions of accepted papers will be required by **September 15th 2003**.

Invited Speakers:

Professor Paddy Farrell (Lancaster University), Professor Thomas Johansson (Lund University), Dr. Valtteri Niemi (Nokia), Professor Richard Walton (Royal Holloway).

Organising Committee:

Dr. Kenny Paterson (Royal Holloway, University of London) (Programme Chair),
Prof. Mike Darnell C.Math. FIMA (University of Leeds),
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Dr. Matthew Parker (University of Bergen), Dr. Nigel Smart (University of Bristol),
Prof. Mike Walker C.Math. FIMA (Vodafone Group Services Ltd).

Conference Venue:

The conference will take place at the Royal Agricultural College, Cirencester, UK. The College is located in a magnificent rural setting on the edge of the historic Roman town of Cirencester in the heart of the Cotswold Countryside - an area of outstanding natural beauty in rural Gloucestershire. For further details of the venue, please visit <http://www.royagcol.ac.uk/>

Further Details:

Further details concerning the conference (registration, pricing, travel) will be made available on the conference web page at <http://www.ima.org.uk/mathematics/conferences.htm> as they become available.

This event will meet the requirements of the IMA Continuing Professional Development Scheme.