The British Computer Society (BCS) is launching its first International Academic Conference, BCS08, intended as a major international venue to take place yearly in the United Kingdom. This year’s theme is ‘Visions of Computer Science’.

We aim to establish the pattern of a high-quality wide-spectrum UK based conference, with a strong international profile, which we hope will be the first of a regular series. Moreover, the underlying aim is to energise the UK community and bring it together around some positive and inspiring visions of our discipline. (The plural is intentional here --- our subject is broad, but we believe that an overlapping family of visions can be coherent, and suggest new possibilities for interaction and convergence).

Submissions are being solicited in all areas of research covering the broad field of Computer Science and Engineering. The relevant dates for authors are:

- **submission**: 13 May 2008
- **notification**: 13 July 2008
- **camera-ready**: 31 July 2008

Instructions for authors and the required paper layout can be found at [www.bcs.org/visions](http://www.bcs.org/visions); the strict limit for submissions is 12 A4-pages in 10pt one-column style, including figures and references. Authors may include a clearly-marked appendix, which referees may or may not take into account. Submissions will be made at [www.easychair.org/conferences/?conf=bcso8](http://www.easychair.org/conferences/?conf=bcso8).

The proceedings will be published by the BCS as a book and in their electronic proceedings series ([www.bcs.org/ewic](http://www.bcs.org/ewic)), and a special issue of The Computer Journal ([comjnl.oxfordjournals.org](http://comjnl.oxfordjournals.org)) will be dedicated to a collection of the best papers.

The conference is articulated in parallel sessions and mini-tracks devoted to research themes and areas, and will include a number of prestigious keynote speakers as well as a wide range of invited presentations from area leaders.

The list of topics called for are deliberately broad to reflect the rich texture and intellectual vigor of CSE. They include but are not limited to:

- Computer Architectures and Digital Systems;
- Theoretical Computer Science: Algorithms and Complexity, Logic and Semantics;
- Non-standard Models of Computation;
- Programming Methods and Languages;
- Software Engineering and System Design Tools;
- Quantitative Evaluation of Algorithms, Systems, and Networks;
- Artificial Intelligence, Agents, and Machine Learning; Networks;
- Distributed and Pervasive Systems;
- Grid Computing and E-Science;
- Databases, Information Retrieval and Data Mining, Web Based Computation;
- Human Computer Interaction;
- Robotics and Computer Vision;
- Bioinformatics, Synthetic Biology and Synthetic Chemistry;
- Medical Applications.

Papers related to the current UKCRC Grand Challenges in Computing ([www.ukcrc.org.uk/grand_challenges](http://www.ukcrc.org.uk/grand_challenges)) are especially solicited.