REFERENCES

- 1. D. J. Abel, Some elemental operations on linear quadtrees for geographic information systems. The Computer Journal. 28, 73-77 (1985).
- 2. S. Christodoulakis, Multimedia database management: applications and problems. Proc. ACM-SIGMOD International Conference on Management of Data, Austin, Texas (1985).
- 3. Y. Cohen, M. S. Landy and M. Pavel, Hierarchical coding of binary images. IEEE Transactions on Pattern Analysis and Machine Intelligence PAMI-7, 284-298 (1985).
- 4. C. R. Dyer, The space efficiency of quadtrees. Computer Graphics and Image Processing 19, 335-348 (1982).
- 5. F. Fabbrini and C. Montani, Autumnal quadtrees. The Computer Journal 29, 472-474 (1986).
- 6. I. Gargantini, An effective way to represent quadtrees. Communications of the ACM 25 905-910 (1982).
- 7. G. M. Hunter and K. Steiglitz, Linear transformations of pictures represented by quad trees. Computer Graphics and Image Processing 10, 289-296 (1979).
- 8. M. A. Oliver and N. E. Wiseman, Operations on quadtree encoded images. The Computer Journal 26, 83-90 (1983).
- 9. H. Samet, Region representation: raster-to-quadtree conversion, Tech. Rep. 766, Dep. Comput. Sci., University of Maryland, College Park, MD (May 1979).
- 10. H. Samet, Region representation: quadtrees from binary arrays. Computer Graphics and Image Processing 13, 88-93 (1980).

- 11. H. Samet, Data structure for quadtree approximation and compression. Communications of the ACM 28, 973-990 (1985).
- 12. K. Tabata, T. Machida, H. Takeda and H. Kambayashi, High-speed image scaling for integrated document management. Proceedings of the 2nd ACM-SIGOA Conference on Office Automation Systems, 1984.
- 13. J. R. Woodwark, Compressed quad trees. The Computer Journal 27, 225-229 (1984).
- 14. L. Felician, Valutazioni hardware e software per la gestione di archivi immagini di grandi dimensioni. Rivista di Informatica AICA (Associazione Italiana Calcolo Automatico) 4, 365-370 (1986).
- 15. L. Felician, Image base management system: a new promising field in large office environment. ACM Database 1 (1988).
- 16. C. Anedda and L. Felician, Quadtree compressi per la memorizzazione di immagini binarie. Proceedings of the AICA (Associazione Italiana Calcolo Automatico) Annual Conference (1987).
- 17. D. Huffman, A method for the construction of minimum redundancy codes. Proc. IRE, 40, 1098-1101 (1952).
- 18. R. Gallager, Variations on a theme by Huffman. IEEE Transactions on Information Theory, IT-24, 668-674 (1978).

Announcements

27-30 June 1989

CG International '89, Leeds, U.K.

Call for papers

Following GC International '88 in Geneva, Switzerland, the Computer Graphics Society (CGS) is pleased to announce 'CG International 89', the seventh conference. As an annual international conference, CG International has established a reputation for a high quality technical programme. The 1989 conference will be held in Leeds, U.K., 27-30 June 1989. Future conferences are already planned for Singapore (1990), U.S.A. (1991), Japan (1992) and Montreal (1993).

Contributions are solicited describing original research results and applications experience in all areas of computer graphics and its applications. This includes (and is not limited to) the following.

- Graphic Languages and Systems
- Image processing
- Computer Graphics Systems
- CAD/CAM/CAE/CIM
- **Networked Graphics**
- **Business and Management Graphics**
- Computer Art
- Computer Animation
- Graphics and Databases
- Cartography

- User Interfaces and Tools
- Robotics
- Graphics in Visualisation
- VLSI for Graphics
- Parallelism in Graphics and Vision
- Solid Modelling
- Computational Geometry
- **Graphics Standards**
- A.I. and Graphics
- Graphics for Scientific/Engineering Applications
- Medical Computer Graphics
- Geometric Modelling
- Architectural Design Display Technology
- Image Synthesis
- Theoretical Foundations

Full papers in English are required and should contain previously unpublished original results, new ideas, and references to related works, and should range in length between 5,000 and 10,000 words. The first part of each paper should include a Title; a maximum 150word Abstract; a maximum 10 keywords and phrases; Author's name(s), title, affiliation, complete mailing address, phone numbers, short biography and photo; and a statement of commitment that 'if accepted, one of the authors will present the paper at CG International 89', and the name of the author who is responsible for the inclusion of the paper in the Conference Proceedings. A paper lacking any of this information will not be considered by the Program Committee. Papers should be typed and double-spaced. Accepted papers will appear in the Conference Proceedings. Expanded versions of exceptionally highquality papers will also be published in a special issue of *The Visual Computer*, the official journal of the Computer Graphics Society. Colour pictures (slides) are welcomed in all submissions.

Full papers are due 15 November 1988. Authors will be notified 1 January 1989. The camera-ready paper is due by 10 February 1989. Send 5 copies of papers to:

Professor Brian Wyvill, CGI 89 Program Chairman, Department of Computer Science, University of Calgary, Calgary, Canada T2N 1N4. Tel: 403-220-6015. Fax: 403-282-7298. Email: blob%cdn.calgary%csnet.ubc

For more information contact:

Mrs F. J. Johnson, CGI 89 Secretariat, Commercial Office, University of Leeds, Leeds LS2 9JT, U.K. Tel: 44-532-459944. Fax: 44-532-420090. Email: eclrae%usna.arpa.

Conference co-chairs: Dr R. A. Earnshaw, Mr R. D. Parslow.