AN OBJECT-ORIENTED APPROACH TO INTEGRATION OF INFORMATION SYSTEMS

- distributed database system. In Distributed Data Sharing Systems, edited F. Schreiber and W. Litwin. North-Holland, Amsterdam (1985).
- 4. E. F. Codd, Relational database: a practical foundation for productivity. CACM 25 (2) (1982).
- 5. B. Czejdo and M. C. Taylor, Integration of object-oriented programming languages and database systems in KOPERNIK, Data and Knowledge Engineering (to appear).
- 6. U. Dayal and H.-Y. Hwang, View definition and generalization for database integration in a Multidatabase system. IEEE-TSE 10 (6) (1984).
- 7. S. M. Deen, R. R. Amin and M. C. Taylor, Data integration in distributed databases. IEEE-TSE 13 (7) (1987).
- 8. S. M. Deen, R. R. Amin and M. C. Taylor, Query decomposition in PRECI*. In Distributed Data Sharing Systems, edited F. Schreiber and W. Litwin. North-Holland, Amsterdam (1985).
- 9. D. Embley, B. Czejdo and M. Rusinkiewicz, An approach to schema integration and query formulation in federated database systems. In Proceedings, IEEE International Conference on Data Engineering (1987).
- 10. D. K. Hsiao and M. N. Kamel, Heterogeneous databases: proliferations, issues and solutions. IEEE-TKDE 1 (1)
- 11. M. Kaul, K. Drosten and E. J. Neuhold, View System:

- integrating heterogeneous information bases by objectoriented views. In Proceedings, IEEE International Conference on Data Engineering (1989).
- 12. W. Kim et al., The architecture of the ORION nextgeneration database system. IEEE-TKDE 2 (1) 1990).
- 13. W. Kim, Object-oriented databases: definition and research direction. IEEE-TKDE 2 (3) (1990).
- 14. T. Landers and R. Rosenberg, An overview of Multibase. Distributed Databases, edited H. J. Schneider. North-Holland, Amsterdam (1982).
- 15. W. Litwin and A. Abdellatif, Multidatabase interoperability. IEEE Computer 19 (12) (1986).
- 16. B. Meyer, Object-oriented Software Construction. Prentice-Hall, Englewood Cliffs, NJ (1988).
- 17. S. Navathe, R. Elmasri and J. Larson, Integrating user views in database design. IEEE Computer 19 (1) (1986).
- 18. M. Rusinkiewicz and B. Czejdo, An approach to query processing in federated database systems. In Proceedings, Hawaii International Conference on Systems Sciences (1987).
- 19. G. Salton and M. J. McGill, Introduction to Modern Information Retrieval. McGraw-Hill, New York (1983).
- 20. M. Templeton et al., Mermaid a front-end to distributed heterogeneous databases. Proceedings of IEEE (May 1987).

Announcements

8-13 August 1993

HCI International '93, 5th International Conference on Human-Computer Interaction jointly with 9th Symposium on Human Interface (Japan), Orlando, Florida, U.S.A.

You are cordially invited to participate in HCI International '93. The conference has four distinguished Boards consisting of 94 leading international scientists and engineers representing 28 nations. Submissions of papers are welcome until 15 November 1992 and for posters until 15 May 1993. The conference objective is to provide an international forum for the dissemination and exchange of scientific information on generic and applied areas of HCI. This will be accomplished through the following five modes of communication: plenary and parallel presentations, poster sessions, tutorials and meetings of special interest groups. Topics which will be covered in the conference include, but are not limited to, those listed below.

Human-computer interaction

- Trends in information technology
- Systems engineering
- Intelligent systems

Work with visual display terminals

- Hardware ergonomics
- Workplace/work environment
- Stress and strain

Management of information

- Information management
- Work structuring
- Qualification and training

Human interface

- Concept, theory and experiences
- Crossing the border
- · Innovative life, security and justice

To receive a copy of the four-page Call for Participation please contact the General Conference Chair, Gavriel Salvendy, HCI International '93, 1287 Grissom Hall, Purdue

University, West Lafayette, IN 47907-1287 USA; Tel: 317-494-5426; fax: 317-494-0874: electronic mail: salvendy@ecn. OΓ purdue.edu.

13-15 SEPTEMBER 1993

5th International Conference CAIP '93, Computer Analysis of Images and Patterns, Budapest, Hungary, sponsored by IAPR, the International Association for Pattern Recognition

CAIP is a traditional central European conference devoted to all aspects of image processing and analysis, computer vision and pattern recognition. Its main goal is to promote scientific cooperation and contribute to free exchange of ideas, knowledge and experience between eastern and western Europe. Papers devoted to new trends in image analysis, including theory, algorithms and applications, are especially welcome at CAIP '93. Topics of interest include, but are not limited to the following:

- theory of computer vision and image analysis;
- theoretical and experimental evaluation of algorithms;
- comparative studies of different approaches;
- hierarchical and model-based methods;
- new fast and reliable algorithms;
- successful applications in real environments:
- novel application areas.

The scientific programme will include regular contributions as well as invited talks given by key speakers sponsored by IAPR. All accepted papers will be published in the Conference Proceedings. The official language of the conference is English.

Submission of papers

Prospective authors should submit 3 copies of full-length draft papers (max. 10 A4-size pages) to:

D. Chetverikov, Computer and Automation Institute, Budapest, P.O. Box 63, H-1518 Hungary. Fax: +36.1.1667503. E-mail: h1180cse@ella.hu (no electronic submissions, please).

Deadlines

Submission of draft papers: 15 January 1993. Notification of acceptance: 15 April 1993. Camera-ready papers: 15 July 1993.

13-16 DECEMBER 1992

ICSC '92: Second International Computer Science Conference Data and Knowledge Engineering: Theory and Applications, Hong Kong

Sponsored by the IEEE Hong Kong Section, Computer Chapter, in cooperation with the ACM, Hong Kong Chapter

ICSC '92 is the second international conference on computer science to be held in Hong Kong. Its purpose is to provide a forum for scientific interchange among computer scientists and engineers from all over the world, especially from the Asia-Pacific region. This conference will focus on a broad spectrum of research topics related to the theory and applications of data and knowledge engineering.

Tutorials

Tutorial sessions will be held during the conference.

Inquiries

Please send inquiries to the General Chairman of the Organising Committee:

Dr Ernest Lam, Department of Computing Studies, Hong Kong Baptist College, 224 Waterloo Road, Kowloon, Hong Kong. Email: ernest@bc750.hkbc.hk. Fax: 852 338-8014.