A HIERARCHICAL DATA STRUCTURE FOR
REPRESENTING THE SPATIAL DECOMPOSITION
OF 3-D OBJECTS

Toshiya Kinata

AND

A METHOD OF REPRESENTING THE SOLID
DESIGN PROCESS

Hiroaki Chisakura

AND

Fumihiro Komura

THIS PAGE CONDA CONTAINS

A PROCEEDING OF THE 8TH ACM/SIGGRAPH CONFERENCE ON

RESEARCH AND DEVELOPMENT IN COMPUTER GRAPHICS

AND VISION

ANN ARBOR, MICHIGAN, JULY 1985

PREFACE

PAUL S. NEWMAN, CHAIRMAN

The patterns of behavior for people living in communities that were organized

about work and work spaces are radically different from those living in the

traditional family habits. The community structure and the way we work

in the computer age is a major challenge to the organization and planning of

urban areas. This is especially true for the design of computer-based

services, where the human environment plays such an important part in

our daily lives. The past few decades have seen significant advances in

the study of human factors, both in the context of design and in the

context of the human-computer interface. The paper presented here is

an examination of the relationship between these two areas, and it

focuses on the role of the human in the design of computer-based

services.

TRANSLATING S2L INTO RELATIONAL ALGEBRA: OPTIMIZATION, SEMANTICS, AND EQUIVALENCE OF SQL QUERIES
S. Ceri and G. Gottlob

PERFORMANCE EVALUATION OF CENTRALIZED DATABASES WITH STATIC LOCKING
A. Tanenbaum

SEES — A SOFTWARE TESTING ENVIRONMENT SUPPORT SYSTEM
R. Roussopoulos and R. T. Yeh

SELECTING SOFTWARE TEST DATA USING DATAFLOW INFORMATION
S. Rappoport and E. J. Weyuker

AN APPROACH TO THE MODELING OF SOFTWARE TESTING WITH SOME APPLICATIONS
T. Downs

FLEX: A HIGH-LEVEL LANGUAGE FOR SPECIFYING CUSTOMIZED MICROPROCESSORS
B. E. Comer and N. H. Gehani

COMMUNICATION AND SYNCHRONIZATION PRIMITIVES FOR DISTRIBUTED PROGRAMS
J. N. Natarajan

DISCRETE TIME STOCHASTIC PETRI NETS
M. K. Molloy

DYNAMIC CONFIGURATION FOR DISTRIBUTED SYSTEMS
J. Kramer and J. Magee

IEEE COMPUTER SOCIETY 1984 CONFERENCE ON ADA APPLICATIONS AND ENVIRONMENTS

This conference was initiated to serve as a forum for obtaining the current status of research and development related to the Ada language and environments. The topics in the conference program include methodologies, tools, run-time models, environments, applications, distributed implementations, use, validation, and educational issues. 165 pp.

Order #590
The 1984 Conference on Ada Applications and Environments
October 15-18, 1984
Nonmembers — $32.00 Members — $16.00
Handling Charges Extra
Order from IEEE Computer Society Order Dept.
PO Box 80452, Worldway Postal Center
Los Angeles, CA 90080 USA
(714) 821-8380

High Resolution CAD on IBM PC

- 1024x768 or 640x400 Color Graphics
- Graphics Editor Electronic Design
- PCB & IC Design
- Schematic Capture
- Interfaces to SPICE, SCICARDS, GDS II, Gerber
- 9-State Logic Simulator for PC and VAX

DEALER OR REPRESENTATIVE INQUIRIES INVITED
Reader Service Number 5
Chancellor Computer Corporation
1101 San Antonio Road
Mountain View, CA 94043
800/222-2660