M.I.T. Laboratory for Computer Science

Computer Systems Research Division

October 11, 1978

Request for Comments No. 166

J. H. Saltzer

Attached is the table of contents of the IRIA Second International Symposium on Operating Systems, held in Rocquencourt, France, October 2-4, 1978. If you are interested in thumbing through the proceedings or examining some of the papers in more detail, you are welcome to borrow the copy in my office. (See Muriel.) The paper by Lauer and Needham is particularly worthy of study.

This note is an informal working paper of the M.I.T. Laboratory for Computer Science, Computer Systems Research Division. It should not be reproduced without the author's permission, and it should not be referenced in other publications.

TABLE DES MATIERES
TABLE OF CONTENTS

SYSTEMES DISTRIBUES
DISTRIBUTED SYSTEMS

Conception et réalisation d'un système distribué orienté vers la compilation
Françoise André, J.P. Banâtre, H. Leroy, G. Paget, J.P. Routeau (France)

Separating data from function in a distributed file system
J.E. Israel, J.G. Mitchell, H.E. Sturgis (USA)

ARCHITECTURES DES MACHINES ET SYSTEMES
SYSTEM AND MACHINE ARCHITECTURES

Mécanismes primitifs de synchronisation au niveau matériel
F. Anceau (France) (conférencier invité)

Concurrent high level language models applied to multimicroprocessor system development
R.J.A. Buhr (Canada)

SYNCHRONISATION
SYNCHRONIZATION

Synchronization primitives and the verification of concurrent programs
S. Andler (USA)

Models and algorithms for deadlock detection
P. Bittmann, K. Unterauer (FRG)

ANALYSES DE PERFORMANCES
PERFORMANCE MODELS

Working sets : then and now
P.J. Denning (USA) (invited speaker)

Exploiting decomposability to approximate quantiles of response times in queueing networks
E.D. Lazowska (USA), K.C. Sevcik (Canada)

Queue networks with blocking : exact and approximate results
F.G. Foster, H.G. Perros (USA)

Disk scheduling : FCFS vs. SSTF revisited
M. Hofri (Israel)

A heuristic approach to file allocation problems
N.N. Gurin, Ya. A. Kogan, I.B. Muchnik (USSR)

On a priori program restructuring for virtual memory systems
R. Snyder (USA)

Approximating load distributions in time sharing systems
G. Balbo, P.J. Denning (USA)

The rate control policy for virtual memory management
E. Gelenbe, A. Kurinckx (France) - I. Mitrani (UK)

PROTECTION
PROTECTION

Outils de protection statique dans les systèmes multilangage
Ph. Darondeau (France)

Protection based on decentralized control
A.J. Jammel, H.G. Stiegler (FRG)

A hardware - supported protection architecture
A.J. Herbert (UK)

Measuring memory protection on the CAP computer
D. Cook (UK)

LANGAGES PARALLELES
CONCURRENT LANGUAGES

Towards more general implementation languages for operating systems
M. Joseph (India)

A Kernel for a concurrent PASCAL operating system
H.A. Seidel, G. Grebe (FRG)

LANGAGES ET STRUCTURATION DES SYSTEMES
LANGUAGES AND SYSTEM STRUCTURING

Language and structure in an operating system
M. Joseph, V.R. Prasad, K.T. Narayana, I.V. Ramakrishnan, S. Desai (India)

Physical and logical abstractions in a Kernel
K.V.S. Prasad, N. Natarajan, M.K. Sinha (India)

STRUCTURATION DES SYSTEMES D'EXPLOITATION
OPERATING SYSTEM STRUCTURING

On the duality of operating system structures
H.C. Lauer (USA), R.M. Needham (UK)

A study in the pragmatics of operating systems development
D.J. Pearson (Canada)