

Moore School of Electrical Engineering, University of
 Pennsylvania, Philadelphia, Pennsylvania 19174, USA

Music Project at Moore School of Electrical Engineering

oeuvres/works/opere

<u>Lemniscate</u>	MPeC MCC
<u>Bach Fan</u>	MPeC MCC
<u>Fantasy on an English Carol</u>	MPeC
<u>Variations on a Theme of Steve Reich</u>	MPeC MCC
<u>Fall Gently on Thy Head</u>	MPeC
<u>The Egged-Bus-at-the-Dung-Gate Blues</u>	MPeC
<u>Breakdown</u>	MPeC MCC
<u>The King of Denmark is dead</u>	MPeC
<u>Deus ex Machina</u>	MPeC
<u>Prayer Wheel</u>	MPeC MCC
<u>Byte Pipes Revisited</u>	MPeC MCC
<u>Plaisirs d'Amour</u>	MPeC MCC
<u>Variations on a Note</u>	MPeC MCC
<u>Cambridge Memories</u>	MPeC MCC

6/75

programmes/programs/programmi

EUTERPE-8
PDP-8 assembly language
Parallel processing system for performing up
to four voices of counterpart through
voltage-controlled sawtooth generators

MPeC

Library of LISP functions for the study
of Schenkerian analysis MTS/LISP
Univac Series 70 Model 46

CAMA

textes/writings/testi

SMOLIAR, Stephen W.
"BASIC RESEARCH IN COMPUTER-MUSIC STUDIES."
Interface 2, 2, Utrecht, Dec. 1973. 121-125

GMT

"COMMENTS ON MOORER'S 'MUSIC AND COMPUTER
COMPOSITION'."
Communications of the Association for Computing
Machinery

MCC

"A DATA STRUCTURE FOR AN INTERACTIVE MUSIC
SYSTEM."
Interface 2, 2, Utrecht, Dec. 1973. 127-140.

MPeC

"EMOTIONAL CONTENTS CONSIDERED DANGEROUS."
Communications of the Association for Computing
Machinery 17, 3, Mar. 1974. 164-165.

MCC

"MUSIC THEORY -- A PROGRAMMING LINGUISTIC APPROACH."
Proceedings of the Association for Computing
Machinery 1972 Annual Conference, Aug. 1972.
1001-1014.

MPeC
MCC
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A PARALLEL PROCESSING MODEL OF MUSICAL STRUCTURES.
Massachusetts Institute of Technology Project MAC
Artificial Intelligence Report N° 91, Cambridge,
Sept. 1971. 276p.

MPeC
MCC
CAMA

6/75

cont.

 "PROCESS STRUCTURING AND MUSIC THEORY."
Journal of Music Theory 18, 2, Fall 1974. 308-336.

CAMA

 "SYSTEMIC ASPECTS OF MUSICAL ACTIVITY."
Gesellschaft für Informatik e.v. 3. Jahrestagung;
Lectures Notes in Computer Science, 1, Springer
 Verlag, 1973. 246-250.

CAMA

-----, WILLSON, J.
 "PROPOSAL FOR AN INTERACTIVE COMPUTER-MUSIC
 FACILITY."
Numus West 5, 1974. 39-43.

MPeC

activité/activity/attività _____

Real-time all-digital sound synthesis (with M. Joseph
 WILLSON)

MPeC

Computer-assisted musical analysis using LISP, with
 particular attention to relationships between
 Schenkerian analysis and natural language processing
 and the melodic implication/realization model
 (with Robert E. FRANKEL, Stanley J. ROSENSCHEIN, and
 Eugene NARMOUR)

CAMA

Studies in data structures for the representation of music
 notational system (with Catherine Downes)

CAMA

biographie/biography/biografia _____

1946 born Philadelphia, Pennsylvania USA
 1967 S.B., Mathematics, MIT
 1971 Ph.D., Applied Mathematics, MIT
 1971-73 Lecturer, Department of Computer Science,
 Technion-Israel Institute of Technology
 1973- Assistant Professor of Computer Science,
 University of Pennsylvania

6/75