

39 Allée Albeniz, 13008 Marseille, France

U.E.R. de Luminy, 13288 Marseille Cedex 2, France

Informatique et Acoustique Musicale, Luminy, Marseille

oeuvres/works/opere _____

Computer Suite for Little Boy, 1968, 12'50"
(Digital sound synthesis, 2-tracks tape)

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Mutations I, 1969, 10'30"
(Digital sound synthesis, 2-tracks tape)

MPeC

Mutations II for flute, clarinet, piano,
percussion and 2-tracks tape, 1973, 17'
(Digital sound synthesis)

MPeC

Sol#, 1974, 4'
(Digital sound synthesis, 2-tracks tape)

MPeC

disques/records/dischi _____

Computer Suite for Little Boy
in "Voice of the Computer", Decca DL 71 0180

MPeC

Mutations I
in "Electronic Music N° 5", Turnabout Vox TV S 34427

MPeC

programmes/programs/programmi _____

MUSIC V
Adaptation for computer Telemecanique T 1600
with 32k words of 16 bits and disk, with
some additions

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textes/writings/testi

RISSET, Jean-Claude
"PARADOXES DE HAUTEUR: LE CONCEPT DE HAUTEUR
N'EST PAS LE MEME POUR TOUT LE MONDE."
Proceedings of the 7th International Congress of
Acoustics, Budapest, 1971.

PMcC

"QUELQUES REMARQUES SUR LES MUSIQUES POUR
ORDINATEUR ET L'INTERPRETATION."
Musique en Jeu 3, Mai 1971. 5-11.

SUR L'ANALYSE, LA SYNTHÈSE ET LA PERCEPTION DES
SONS ETUDIÉS À L'AIDE DE CALCULATEURS ÉLECTRONIQUES.
Thèse de Doctorat, Orsay, 1967.

"SYNTHÈSE DES SONN À L'AIDE D'ORDINATEURS."
La Revue Musicale 268-269, 1971. 113-123.

-----, CHARBONNEAU, Gerard, KARATCHENTZEFF, P.
"UN SYSTÈME DE SYNTHÈSE DIRECTE DES SONN À L'AIDE
D'ORDINATEURS."
Revue d'Acoustique 21, 1972. 289-296.

-----, MATHEWS, Max V.
"ANALYSIS OF MUSICAL-INSTRUMENT TONES."
Physics Today 22, 2, Feb. 1969. 23-30.

MATHEWS, Max V., MOORE, F.R., RISSET, Jean-Claude
"COMPUTERS AND FUTURE MUSIC."
Science 183, 4122, 25 Jan. 1974. 263-268.

PIERCE, John R., MATHEWS, Max V., RISSET, Jean-Claude
"WEITERE EXPERIMENTE IM MUSIKALISCHEN GEBRAUCH DES
ELEKTRONENRECHNERS"/"FURTHER EXPERIMENTS ON THE USE
OF THE COMPUTERS IN CONNECTION WITH MUSIC."
Gravesaner Blätter/Gravesano Review 28-28, Nov. 1965.
85-91/92-97.

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activité/activity/attività

I work with the computer sound synthesis system in Luminy, which is operational since April 1975. With the group there, I want to do some studies in psychoacoustics both to make music with the computer and to educate people (including scientists) about musical sounds. We hope to do work on musical composition together with the "Groupe d'Intelligence Artificielle".

At IRCAM, we have an ambitious program of 1) psychoacoustic research, 2) educating musicians to use the computer. One of the utopias that has led me in this field is the urge for sound materials that can be controlled in a subtle, elaborate, different way, to the extent that they call for new musical architectures.

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biographie/biography/biografia

1938	born in Le Puy, France
1955-63	studies in math & physics (Ecole Normale Supérieure), piano & composition (R. Trimaille, A. Jolivet)
1964-65	works with Max Mathews at Bell Laboratories on
1967-69	computer sound synthesis. Thesis.
1969-71	starts computer sound synthesis system in Orsay
1972	Maître de Conférences, Luminy
1974	head, computer department, IRCAM

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