

**FIRST
INTERNATIONAL
SYMPOSIUM
ON ELECTRONIC ART**

September 27 - September 30, 1988

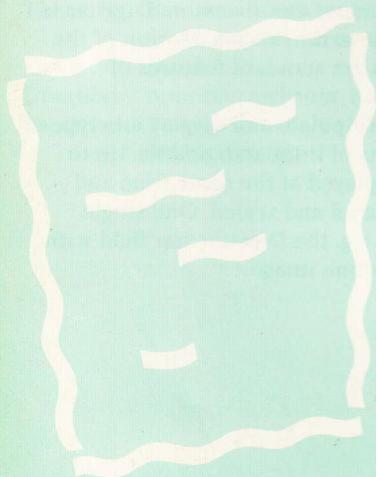
UTRECHT

THE HAGUE - GRONINGEN

THE NETHERLANDS

FINAL PROGRAM

*SCCA Foundation for Creative Computer Applications
CKMT Center for Art, Media and Technology
of the Utrecht Academy of Arts*



The Groningen program during the First International Symposium on Electronic Art.

During the FISEA Symposium several activities will take place in Groningen in the northern part of Holland. The program in Groningen will include a lecture on Fractal Art, by prof. Heinz-Otto Peitgen of the Institute for Complex Dynamics at the University of Bremen. Several panel discussions are planned, amongst others, on the relationship between electronic mass-media and art, and on the use of computers in the process of composing today, these will be followed by a concert of computermusic. Several art schools will present their computer activities to the public. An elaborate interactive video installation by the artist Frits Maats will be installed. A program will be available at the symposium registration desk.

Center for Art, Media and Technology

The Centrum voor Kunst, Media en Technologie (Center for Art, Media and Technology) was founded in 1987 by the Utrecht Academy of Arts, one of the largest such institutes in Europe. The Center's new housing, available just weeks before FISEA, will include US \$ 4 million in computer equipment, professional audio and video equipment and provide a unique and integrated environment for education, research and production in electronic art. During FISEA, guided tours will enable you to meet students and faculty members who will gladly inform you about the activities that are going on in the Center's 20.000 sq.ft. of computer gardens, audio and video studio's, etc.

SCCA, foundation for Creative Computer Applications

The SCCA was founded in 1984 in order to stimulate cooperation between scientists, technologists and artists. The thought behind this is that scientific participation is a necessary incentive for succesful artistic hightech projects. The SCCA has organized many educational projects on computer art in Holland and initiated the computer graphics courses at Dutch art schools. Since 1987, the SCCA has cooperated closely with the Utrecht Academy of Arts.

Table of Contents

Welcome	4
Committees	5
Acknowledgements	6
Symposium program	8
General Information	20
Special Events	22
Competitions and Presentations	23
Omniversum	23



KLM Official Carrier

KLM Royal Dutch Airlines has been appointed Official Carrier for the Congress. KLM offices all over the world will meet your travel arrangement requirements.

For U.S. participants please call toll free 1-800-KLM-7777

Welcome

On the occasion of the First International Symposium on Electronic Art, we are pleased to give a few words of welcome.

We have been planning this Symposium for a long time and are happy to be able to offer you a program covering the areas we mentioned in our preliminary program.

An International Symposium like this is a good opportunity for learning, for exchanging experiences and opinions, and for bringing knowledge up to date. It is also an opportunity to strengthen personal and institutional relationships and make new acquaintances, so important in our field.

This is why we as chairmen of the Symposium gladly welcome you to this international event which will be held in the beautiful city of Utrecht, where rich cultural Dutch traditions mingle with the scientific achievements of our times.

On behalf of the Organizing Committee we wish you a week full of cultural opportunities and intellectual experiences, with the certainty that with your invaluable contribution this Symposium will become a success.

Johan den Biggelaar and Ton Hokken

Secretariaat

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Committees

Organizing Committee

Ton Hokken (chairman)
Johan den Biggelaar (chairman)
Wim van der Plas (advisor)
Foundation for Creative Computer Applications
Center for Art, Media and Technology

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Jean-Claude Risset	FR
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E. van Spiegel	- Director General Science Policy Ministry of Education and Sciences
A.J. van der Staay	- Director, Social and Cultural Planning Bureau
M.W.M. Vos-van Gortel	- Mayor of Utrecht

Acknowledgements

The members of the Organizing Committee wish to express their gratitude to the following for their cooperation and support:

Anjerfonds Utrecht
Computer Music Association
Eurographics
Gemeente Utrecht
Provincie Utrecht
ISAST / Leonardo
Ministry of Economic Affairs
Ministry of Welfare, Health and Cultural Affairs
Ministry of Education and Sciences
Netherlands Universities Foundation for International Cooperation (NUFFIC)
A. Fentener van Vlissingenfonds
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Stichting voor Publieksvoorlichting over Wetenschap en Techniek (PWT)
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For more information please contact:

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Wednesday, september 28

TIME	ROOM A
09.00 - 10.30	Plenary Session Invited Speakers Chairman: Paul Noorman
09.00 - 09.45	All kinds of Revolutions Willem Dijkhuis
09.45 - 10.30	AI Paradigm Harold Cohen
10.30 - 11.00	Coffee Break
11.00 - 12.30	Parallel Session Free Papers Exploring new tools for the Artist I Chairman: Thomas Bernhold
11.00 - 11.30	Establishing a Tonic Space with Digital Color Brian Evans
11.30 - 12.00	Fantasy Object Exploration with Micro-Computers Edward R. Pope
12.00 - 12.30	Sculptor - a 3D Computer Sculpting System Mike R. King
12.30 - 14.00	Lunch

Wednesday, september 28

TIME	ROOM B
11.00 - 12.30	Parallel Session Panel on Organizational Networking Chairman: Roger F. Malina Panel Members: Itsuo Sakane Mark Resch Craig Harris Alistar Livingstone
12.30 - 14.00	Lunch

Wednesday, September 28

TIME	ROOM A
14.00 - 16.00	Parallel Session Free Papers Exploring New Tools for the Artist II Chairman: Mark Resch
14.00 - 14.30	Perspective and the Appearance of natural Scenes Edwin H. Blake
14.30 - 15.00	The Staging of Leonardo's Last Supper Lillian F. Schwartz
15.00 - 15.30	The Making of a Film with Synthetic Actors Nadia Magnenat-Thalmann
15.30 - 16.00	Tea Break
16.00 - 16.45	Plenary Session Invited Speaker Chairman: Ton Hokken
16.00 - 16.45	State of the Computer Art in Japan Itsuo Sakane
17.00 - 18.00	Parallel Session Free Papers Interactive Art: a Renaissance? Chairman: Ton Hokken
17.00 - 17.30	Using Computers in an Art Practice: From Computer-plotted Drawings to Interactive Computer Art Stephen C.D. Bell
17.30 - 18.00	Towards a New Media Technology Interactive Virtual Environments Joel A. Slayton
20.00 - 23.00	Visit to the Omniversum Theatre in The Hague (see special events)

Wednesday, September 28

TIME	ROOM B
14.00	Parallel Session Panel on Programming Environments for the Art Chairman: Peter Desain Panel Members Harold Cohen Peter Beijls Margriet Hoenderdos Stephen T. Pope
15.30 - 16.00	Tea Break
17.00 - 18.00	Parallel Session Free Papers Art, Mathematics and Logic Chairman: Frederik van der Blij
17.00 - 17.30	Logic and Time-based Art Practice Ernest A. Edmonds
17.30 - 18.00	Some Issues in the Development of Computer Art as a Mathematical Art Form Richard Q. Wright

Thursday, September 29

TIME	ROOM A
09.00 - 10.30	Plenary Session Invited Speakers Chairman: Theo Hesper
09.00 - 09.45	Computer Graphics and Animations as Agents of Personal Evolution in the Arts Robin G. King
09.45 - 10.30	Aesthetic Issues in Computer Art Thomas E. Linehan
10.30 - 11.00	Coffee Break
11.00 - 12.30	Parallel Session Free Papers Aesthetic Issues and Computer Art I Chairman: John Lansdown
11.00 - 11.30	Interfacing Traditional Art Media with Computer Imaging John Pearson
11.30 - 12.00	An Electronic Arts Landscape: a new Language Joan Truckenbrod
12.00 - 12.30	Art, Time and Computer Animation André Jodoin
12.30 - 14.00	Lunch

Thursday, September 29

TIME	ROOM B
10.30 - 11.00	Coffee Break
11.00 - 12.30	Parallel Session Presentation of the Australian Network for Art and Technology
12.30 - 14.00	Lunch

Thursday, September 29

TIME	ROOM A
14.00 - 15.30	Parallel Session Free Papers Aesthetic Issues and Computer Art II Chairman: John Lansdown
14.00 - 14.30	Computational Art Anton Eliëns
14.30 - 15.00	Finding a Context for the New Technology Edward R. Pope
15.00 - 15.30	Emergent Aesthetics Mihai Nadin
15.30 - 16.00	Tea Break
16.00 - 17.30	Parallel Session Free Papers New Tools for the Composer Chairman: Paul Berg
16.00 - 16.30	Extended Musical Interface with the Human Nervous System: Assessment and Prospects David Rosenboom
16.30 - 17.00	Visual Documentation of Structural Information: a Tool for Composition and Analysis in Electro-Acoustic music Tamas Ungvary
17.00 - 17.30	Smalltalk-80 and Music Applications Stephen T. Pope
17.30	Reception offered by the Municipality of Utrecht (see special events)
20.30	Performance at the Academy Theatre (for details see performance program)

Thursday, September 29

TIME	ROOM B
14.00 - 15.30	Parallel Session Free Papers Relating Image and Sound I Chairman: Tod Machover
14.00 - 14.30	A Computer Tool For Simultaneous Musical and Animation Creation Real Time and Gestural Work Annie Luciani
14.30 - 15.00	Orphics: Computer Graphics and the Shaping of Time with Colour Edward Zajec
15.00 - 15.30	Computer Generated Laser/ Music Projections Paul Earls
15.30 - 16.00	Tea Break
16.00 - 17.30	Parallel Session Panel on Institutional Networking Research in Art and Technology Chairman: Thomas E. Linehan Panel Members Darcy Gerbarg William Sadler Thuy Tran

Friday, September 30

TIME	ROOM A
09.00 - 10.30	Plenary Session Invited Speakers Chairman: Herbert W. Franke
09.00 - 09.45	The Electronic Bauhaus Jürgen Claus
09.45 - 10.30	Hyper Instruments Tod Machover
10.30 - 11.00	Coffee Break
11.00 - 12.00	Parallel Session Free Papers Applying AI-Techniques to Art Chairman: John Vince
11.00 - 11.30	Discovery through Interaction Peter Beyls
11.30 - 12.00	Storing Art Images in Intelligent Computers Russell A. Kirsch
12.00 - 12.30	Epigenetic Painting: Software as Genotype, a New Dimension of Art Roman Verostko
12.30 - 14.00	Lunch

Fryday, September 30

TIME	ROOM B
11.00 - 12.30	Parallel Session Panel on Computer Animation Chairman: Nadia Magnenat-Thalmann

Friday, September 30

TIME	ROOM A
14.00 - 15.30	Parallel Session Free Papers
	Relating Image and Sound II Chairman: Kristi Allik
14.00 - 14.30	Perceptual Correspondences of Abstract Animation and Synthetic Sound Adriano Abbado
14.30 - 15.00	The Creation Station: An Approach to a Multimedia Workstation Henry S. Flurry
15.00 - 15.30	Image Modelling of the Musical Object Michel Naranjo
15.30 - 16.00	Tea Break
16.00 - 17.30	Plenary Session Invited Speakers Chairman: Johan den Biggelaar
16.00 - 16.45	Technologies and Story Writing John Sanborn
16.45 - 17.30	User Interfaces: The State of the Science in the Arts William Buxton
17.30	Closing Remarks
20.00	Public performance at the Geertekerk. (tickets and program available at the registration-desk)

Friday, September 30

TIME	ROOM B
14.00 - 15.30	Parallel Session
	Panel on Artificial Intelligence in the Arts Chairman: Raymond Lauzzana

General Information

Registration Area

The registration area is situated in the lobby on the first floor of the 'Bernhard' Hall I at the 'Royal Dutch Jaarbeurs' conference center, Jaarbeursplein, Utrecht, Telephone 030 - 955 911

Desk service is provided for:

- registration
- information
- travel, tours and accommodations

The above facilities will be available during the following times:

Wednesday	September 28	08.00 - 18.00 hrs
Thursday	September 29	08.00 - 18.00 hrs
Friday	September 30	08.00 - 18.00 hrs

Symposium Badge

The symposium badge should be worn by participants at all symposium activities inside and outside the conference center.

Admittance to the lecture halls is by badge only. The badge colors indicate:

- white: participants
- blue, green and yellow: day-cards
- red: organizing committee and staff

Telephone

Local and long-distance calls can be made through public telephone booths located in the entrance hall on the ground floor of the 'Bernhard' Hall.

Refunds

It should be noted that refunds, in accordance with the rules laid down in the preliminary program, will only be processed after the Symposium.

Lunches

Lunches will be served in the 'Jaarbeurs' conference center. Tickets will be issued at the registration desk.

Beverages

Coffee and tea will be served, free of charge, during the coffee and tea breaks. Other drinks will be available at the various counters in the conference center throughout the day.

List of Participants

Together with this program, a list of participants compiled as of September 18 is available. An addendum to the list of participants will be available from the information desk as of Thursday, September 29.