

Frontier Communication: Human Being, Apes, Whales, Electronic Networks

International Symposium of Science, Technics and Aesthetics, Old Casino Lucerne

Januar 23-24, 1999

Organized by: New Gallery Lucerne

Introduction

The 3rd International Symposium of Science, Technics and Aesthetics will again take place in Lucerne's **Old Casino**, a wonderful late baroque building in the heart of the city.

Specialists in system- and chaos theory, cybernetics, physics, cognitive science, AI, computer research, philosophy, aesthetics and art, will discuss theoretical models, present their ideas and talk about them in an **interdisciplinary** way. Lectures and panel discussions are included in the program. The two days of lectures of internationally recognized personalities in the realm of art and science, let us get a closer look at the "state of art" of the current technological challenges and the new scientific frontiers.

The currently debated "End of Science" is perhaps unavoidable but it does not mean, of course, that science comes to an end. It means that the science of the future will develop new forms and might express itself in a different way.

The **Neue Galerie Luzern** is not connected exclusively with one or more faculties, but aims to involve people from different faculties, schools of thought and walks of life in a **dialogue** which they have long sought themselves but for which there has been no point of contact to date. The Gallery sees its role as that of a **touchstone** for such dialogues. Its activities include the Symposium concerned with new challenges posed by widely varying fields of knowledge and research.

The special points of interest that come to our attention at the Lucerne Symposium will be:

- the narratives of biology, cognitive science and new physics. There is a sense that our defining metaphors and models of creativity, reconstruction and poetry are coming increasingly from the new developments in those fields.

- the phenomena that occur in the interchanging relationships between organisms. (such as cells, organs, systems of organs, complex electronic networks, animals, persons, economical or political systems, cultures); the formal relationships between communication and behaviour.

- the basic principles and collective assumptions of our existence. Art and science are closely tied to philosophical, religious, political and aesthetic questions fostered by dialogue and conversation.

- the arts and new tools of communication concerned with interactivity and transformation grounded in digital systems. The interest concentrates on the images, strategies, models of thinking and the ideas that can be observed at the horizon of the new technological interfaces.

The artistic, philosophical, scientific and political information of the Symposium **Frontier Communication: Human Beings, Apes, Whales, Electronic Networks** will cause controversies. This is certainly intended, and it will make the symposium so exciting beyond the day!

Invited Guests, Lectures

Alle Referate und Gespräche werden simultan von Englisch auf Deutsch bzw. Deutsch auf Englisch übersetzt. / All lectures and panel discussions will be translated simultaneously from English into German or German into English.

Samstag, 23. Januar 1999 / Saturday, January 23, 1999

13.00 - 13.15 Uhr Begrüssung / Programmüberblick
Welcome Address / Presentation of the Program

Beobachtungen aus der Biosphäre ***Observations from the Biosphere***

13.15 - 13.50 Uhr **TAKAYOSHI KANO** Primatenforschung, Kyoto

Bonobo - Der vergessene Affe -- Bonobo - The Forgotten Ape

13.50 - 14.00 Uhr Diskussion / Discussion

14.00 - 14.15 Uhr Pause / Break

Beobachtungen aus der Technosphäre ***Observations from the Technosphere***

14.15 - 14.50 Uhr **MARGOT LOVEJOY** Medien- / Kunsttheorie, New York

Transaesthetics - Transästhetik

14.50 - 15.00 Uhr Diskussion / Discussion

15.00 - 15.15 Uhr Pause / Break

Welt am Draht: Präsentation

World on Wire: Presentation

15.15 - 15.50 Uhr **CHRISTA SOMMERER** Medienkunst, Kyoto / Ogaki City

Kunst als lebendiges System - Art as a Living System

15.50 - 16.00 Uhr Diskussion / Discussion

16.00 - 16.15 Uhr Pause / Break

Schlussreferat / Final Lecture

16.15 - 17.00 Uhr **GOTTFRIED MAYER-KRESS** Physik / Chaosforschung, Pennsylvania

Das globale Gehirn als Paradigma für die Modellierung globaler Krisen - The Global Brain as a Modeling Paradigm for Global Crisis

ca. 17.30 - ca. 19.00 Uhr

Podiumsgespräch - Diskussion mit Simultanübersetzung

Panel discussion with simultaneous translation with / mit

Takayoshi Kano, Margot Lovejoy, Christa Sommerer, Gottfried Mayer-Kress. Leitung /

Chaired by: René Stettler

Sonntag, 24. Januar 1999 / Sunday, January 24, 1999

13.00 - 13.15 Uhr Programmüberblick / Presentation of the Program

Beobachtungen aus der Biosphäre

Observations from the Biosphere

13.15 - 13.50 Uhr **LOUIS HERMAN** Walforschung, Honolulu

The Intelligence of Dolphins - Die Intelligenz von Delphinen

13.50 - 14.00 Uhr Diskussion / Discussion

14.00 - 14.15 Uhr Pause / Break

Beobachtungen aus der Technosphäre

Observations from the Technosphere

14.15 - 14.50 Uhr **GÜNTER NIMTZ** Physik, Köln

Schneller als das Licht und Räume ohne Zeit - Faster than Light and Space without Time

14.50 - 15.00 Uhr Diskussion / Discussion

15.00 - 15.15 Uhr Pause / Break

Welt am Draht: Präsentation

World on Wire: Presentation

15.15 - 15.50 Uhr **PAUL SERMON** Medienkunst, Leipzig / Linz

Telematic Presence - Telematische Präsenz

15.50 - 16.00 Uhr Diskussion / Discussion

16.00 - 16.15 Uhr Pause / Break

Schlussreferat / Final Lecture

16.15 - 17.00 Uhr **OTTO RÖSSLER** Chaostheorie, Tübingen

Zeitmaschinen, Weltveränderungsmaschinen, Paradiesmaschinen - Time Machines, World-Change Machines, Paradise Machines

ca. 17.30 - ca. 19.00 Uhr

Podiumsgespräch - Diskussion mit Simultanübersetzung

Panel discussion with simultaneous translation with / mit
Louis Herman, Günter Nimtz, Paul Sermon, Otto Rössler. Leitung / Chaired by: René Stettler

Patronage:

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Senioren-Volkshochschule Luzern
Free University Lucerne (FUL)
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