

● FRASCATI ●

Za 17 juni

CYBERNETIC, ALGORITHMIC, SYSTEMIC THEATRE SYMPOSIUM

Orion Maxted / Frascati Producties

12:30 Welcome & Introduction by moderator Chris Keulemans

My journey into Cybernetic, Algorithmic, Systemic Theatre

by theatre maker Orion Maxted

Orion Maxted will give a short talk about what the 'poetics' of a cybernetic/systemic theatre might be. He will give an insight in how cybernetics and systems theory can provide a lens, a poetics, or a set of tool for audiences to perceive the patterns that connect language, subjectivity, nature, culture and politics. And how systems and cybernetics are in his view intertwined into language and art.

Introduction to Algorithmic Theatre

by director and writer Annie Dorsen

Annie Dorsen will share her experience of making Algorithmic Theatre, of collaborating with Algorithms, and how theatre might be effected in an age of algorithms.

[THE MACHINE] DEMO

Performed by: Orion Maxted, Leila Anderson, Ogutu Muraya, Thomas Dudkiewicz

A 30 minutes excerpt of the theatre piece [THE MACHINE] will be presented. This performance was a previous piece by Orion Maxted and creates a performance machine. Humans take the role of the different machine parts – applying a simple algorithm, they transform each other's words and gestures into complex structures.

Introduction to cybernetics by research

By professor Francis Heylighen

Francis Heylighen main area or research is cybernetics and evolution of complexity: how do higher forms of organization originate and develop? How do systems self-organize, adapt and achieve some form of cognition? He works on the development of collective intelligence and its application to the emerging "global brain". He is a research professor at the Free University of Brussels; director of the Evolution, Complexity and Cognition transdisciplinary research group and the Global Brain Institute.

The Wisdom of Crowds – presentation of a work in progress

A collaboration between Orion Maxted & Nathan Fain - with guest performers Ogutu Muraya and Noah Voelker.

The Wisdom of Crowds, a new piece in development by Orion Maxted, connects the audience together as thinking and writing systems. It does this via a writing and voting system that uses smartphones to enter data. The system is an attempt to make a neural net out of people. The audience will form two brains that control two performers on stage - what

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happens on stage depends on the audience and their ability to form themselves into a collective thinking system.

BREAK 15:00 -15:30

Performative lecture of The Great Outdoors

by Annie Dorsen

Annie Dorsen will read a text that is entirely made up of internet comments that becomes a kind of love letter to the world. She has been collecting comments over the course of the day or two before a show, and then uses an algorithm to sort them into a monologue.

Introduction to systems Biology

by Professor of Synthetic Systems Biology Hans Westerhoff

Hans Westerhoff is a founding father of systems biology, working in precision biotechnology and personalized medicine. He will zoom into cells, proteins and DNA, providing the audience an introduction to the core concepts of systems biology and synthetic systems biology.

Interview 'Metaphores of Epigenetics'

with Hans Westerhoff and PhD researcher Stefania Astrologo by Orion Maxted

Orion will interview Hans and Stefania about systems biology generally, and specifically the 'epigenetics' of Breast Cancer, Orion will ask them to describe epigenetics in metaphors, attempting to draw parallels between language and biology.

Artistic Intervention

by bio-artists Špela Petrič and Miha Turšič

Špela Petrič and Miha Turšič's background includes natural sciences, bioart, space culturalisation and postgravity art. Among other things they study the human condition in relation to the non-human; expose DNA to human hormones to create interspecies monsters and research art and humanities in outer space. They will present a small version of the work 'becoming(a)thing' - a piece related to supercomputing.

Panel discussion with guest speakers and questions from the audience

Moderated by Chris Keulemans