

INTRODUCTION.....	..7
Lexicon.....	9
A. CHORALE OF TWENTY-FOUR VOICES OF CHILDREN: PREFERENCE LIGHT SOPRANOS OR BARITONES.....	10
A.1. The voice, the voices.....	10
A.2. A poetics, visual and sound Architecture – the sound Sculpture: The project. Concept - Infinitum, Nature, love and friendship –ladybird trajectories	10
1. LA VILLE IMAGINAIRE : FROM THE REAL CITY TO THE IMAGINARY CITY '- LA VILLE IMAGINAIRE".....	12
1.1. La Ville Imaginaire -The Imaginary City.....	12
1.2. About the complex systems or about the complexity.....	13
1.3. A theoretical interpretation of the Emergency City.....	13
- The organic origin of the Emergency Theory.....	13
1.4. The concept of "emergency".....	24
1.5. Propositions to the Complex systems	25
1.5.1 The Biologist point of view of Johnson on the Emergency Systems. What exists in common between the ants, the neurones, the cities and the cyberprograms?.....	28
1.5.2 Edgar Morin and the city as complex system.	31
1.5.3. The cybernetics city of Nicolas Schöffer.....	31
1.5.4 The informational city of Manuel Castells.....	40
1.5.5 Néstor Garcia Canclini, the hybrid cultures	40
- The flexible citizenships.....	40
- <i>The Black Atlantic</i> de Paul Gilroy.....	40
- Multiterritorial diasporic Communities	40
1.5.6. Saskia Sassen.....	47
1.5.7. Milton Santos.....	47
1.5.8. The book <i>La Casa</i>	47
2. AESTHETICS, MODERNITY, INFORMATION AND COMMUNICATION : THE ORIGIN OF THE CYBERNETICS.....	54
2.1 Modernity and Aesthetics.....	54
2.2 Aesthetics and theory of information.....	55
- Cybernetical aesthetics.....	56
2.3 The origins of the theory of information.....	57
2.4 The constitution of new disciplines : the cybernetics and the artificial Intelligence.....	57
2.5 The Cybernetics.....	58
2.6 The Communication of human/machine. The interface.....	66
2.7 Ethics of emergency and cybernetical aesthetics.....	67
- Collaborative Artistic Practices in open source.....	67
3. A ROBOT AND AN IMAGINARY CITY. SYNTHETIC REPORT OF ATELIER.....	77

3.1 About the robotics in the city.....	79
3.1.1 About the culture of recyclage.....	79
3.1.2 The intelligent city : the proposition of William J.Mitchell.....	79
3.2 An artificial intelligence	81
3.2.1 “The Uncanny Valley”.....	82
3.3 Robots and robotics.....	83
3.4 A city of robotics connaissances and knowledge. Ethics and aesthetics.....	87
3.5 Presentation of the « Terre promise » and the Foetus project.....	88
3.6 An atelier of art as instrument of development and personal development for children	89
3.6.1 Approaches and orientation to execution of the project.....	90
3.7 An experimental atelier of ludic creation of robotics and ballet	99
3.7.1 Approaches and orientation to execution of the atelier.....	100
3.7.2 General context: description of the situation of territory	101
3.7.3 Characteristics of actors.....	106
3.7.4 Nature of the atelier.....	107
3.7.5. Principal beneficiaries of the atelier.....	107
3.7.6 The problem that motives the intervention	107
3.7.7 Execution of the atelier and preliminary results.....	120
4. ROBOT AND CONTEMPORARY ART.....	121
4.1. The robots on the contemporary art.....	121
4.2. Robots and automates : a genealogy.....	135
4.3. A contemporary « ecologic » robotic art: Theo Jansen.....	136
4.4. The telepresence.....	140
4.5. Human cognitives Process on a robotic corps.....	140
4.6. Autonomous Process of a robotic corps on space.....	141
4.7. Robotics art manifesto.....	143
4.8. Robot and literature.....	146
4.8.1. <i>I, Robot</i> . Of Isaac Asimov. The three laws of robotics.....	146
4.9. Post-modernity and robotics : the cyborgs.....	148
4.10.A typology of cyborgs.....	149
4.10.1 The postmodern society, the cyborg art: Donna Haraway.....	149
4.10.2 Robotics and cyborg. The scientific point of view: Kevin Warwick and Rodney Brooks.....	151
4.11. The possible social and ethics implications	153
4.12. A classic of cybernetic art : the case of S.T.E.L.A.R.C.....	154
- <i>The third hand</i>	155
4.13. Panorama of the artwork of Marcel.lí Antúnez.....	164
-Typology.....	165
GENERAL CONCLUSION: An artistic and architectural urban instrumentation taking care to intensify the city as a dynamic system of emergent experiences. The robot and biology as factors of contemporary mutations.....	178
BIBLIOGRAPHY.....	183
ANNEXES.....	193
I. The case of Mariko Mori, japanese artist	193
II. About the automates.....	202

- The classics of science fiction: Blade Runner.....	208
III. OLPC-ONE LAPTOP PER CHILD- in all type of territories.....	209