ChOrder description – INSTALLATION version

ChOrder is an ecosystem-based sound installation that puts the human spectator inside the silicon brain of an Artificial Intelligence. The opus lays bare the reasoning faculties of an AI algorithm to make them directly audible and palpable to the listener. In particular, this study shows the way an AI can conceive the archetypal conflict between order and chaos. To make this possible, the AI has been trained to understand how human beings perceive the difference between ordered and chaotic sounds. Moreover, it has been programmed to explain through auditory vibrations its "personal" interpretation of the experienced knowledge.

The installation is organized in the form of a quadraphonic space, incorporating four autonomous self-thinking systems. Each one is composed of one AI instance, capable of listening to its surrounding acoustic ambiance and reacting to it by generating new sounds. The systems are placed at the corners of the auditory space and are completely independent one another from a functional point of view. Nevertheless, they are acoustically interconnected, being positioned in the same environment. Each system generates interpenetrating sound textures following deterministic rules based on its acquired knowledge, aiming to satisfy one simple condition: *balancing the level of order and chaos within the soundscape*. However, every decision taken by a system unavoidably affects other systems' choices, being all part of the same acoustic ecosystem. The result is a self-evolving tridimensional soundscape that constantly chases the balance, sometimes converging into a static point, occasionally diverging into an indefinite state and other times oscillating between the two conditions.

The evolution of this auditory space contains enough information to comprehend the way the AI conceives the difference between order and chaos. Therefore, the listener is invited to plunge into the soundscape and carefully listen to it, in order to understand how the machine is able to interpret and develop this emblematic human paradigm.