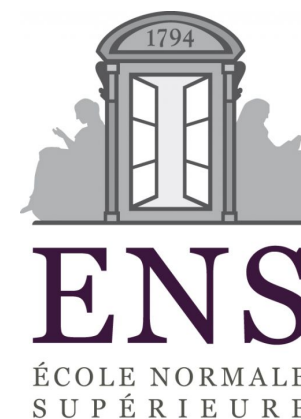




ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA



CARMINE-EMANUELE CELLA

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# SUPPORTING AND CONNECTING RESEARCH AND CREATION

LAUSANNE, JANUARY 2024

# CONNECTIONS



# A PROBLEM-BASED APPROACH

- A **problem-based approach** is a possible key for the design of the concert of the future, the artistic performance, and art/science connections in general
- Focus on emerging themes for a joint scientific and artistic research

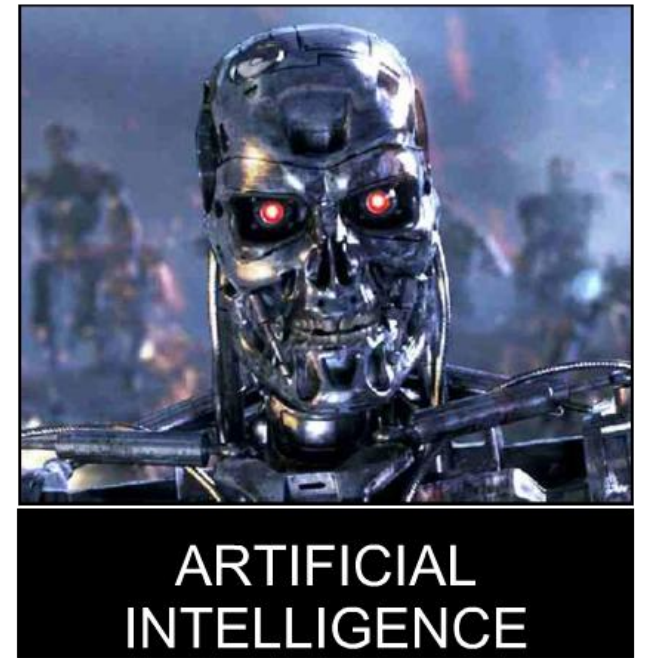
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- **New production model based on hybrid groups:**  
people belonging to different pedagogical programs
- They would work together on a single project related to a specific theme for a period of two years or more to produce a full show and, at the same time, scholarly work and/or software

# EMERGING THEMES 1/2



- **Computational creativity:** machines will assume an important role within artistic creation; the co-evolution of humans and machines will be an essential component of creative practices
- **Situated instruments for musical expression:** new instruments augmented with intelligent technology will give shape to a new type of orchestra that will redesign the way we experience music

## EMERGING THEMES 2/2



- **Contextual performances:** space and time will be an essential part of creative practices, promoting inclusivity; new configurations of the concert using AR/VR will emerge, in which the public, the performers and the creators will be integrated into a single creative body
- **Co-creation and collective intelligence:** new inclusive and equitable dimensions of artistic creation will emerge with the definition of collective practices, fostering collective knowledge and intelligence

# POSSIBLE WORKGROUPS

- **Musica ex machina:** artificial intelligence, machine creativity, assisted creation
- **Orchestra of the future:** augmented instruments, new interactions paradigms between humans and machines
- **Musica hic et nunc:** spatial embedding, dance, context-based creation, new locations, and settings, AR/VR
- **Collective dynamics:** co-creation and improvisation; inclusive and equitable practices



# CULTURAL DISSEMINATION

- **Full production:** the teams will produce a full show, in accordance to the themes of the group; all members will engage with all aspects of the production.
- **Colloquia:** the teams will share their vision and progress in period round-tables that will be open to the public
- **Scholarly work:** the research members of all groups can produce peer-reviewed work
- **Interactions among all departments:** research, pedagogy, production
- **Pedagogical programs** (introduction to artistic research, situated instruments, creative computing for the arts, ...)