

UNIVERSITY OF UDINE

**A COMPUTATIONAL MODEL FOR DOCUMENTING,
PRESERVING AND REACTIVATING CONTEMPORARY
FORMS OF ART**

PHD THESIS

DEPARTMENT OF HUMANITIES AND CULTURAL HERITAGE (DIUM)
CINEMA, MUSIC, MEDIA CULTURE

BY

ALESSANDRO FIORDELMONDO

SUPERVISED BY

COSETTA SABA

SEGIO CANAZZA

Udine, Italy

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REFERENCES

Claude E. Shannon. A mathematical theory of communication. *The Bell System Technical Journal*, 27(3):379–423, 1948. doi:[10.1002/j.1538-7305.1948.tb01338.x](https://doi.org/10.1002/j.1538-7305.1948.tb01338.x).