

# Artificial Intelligence for Deepfakes Creation and Detection: Friends or foes?

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## Abstracts

This report is an all-encompassing analysis of the current state of the art of deepfakes and their underlying technology, the contexts in which deepfakes are and can be used, the impact of deepfakes in the various areas of application, as well as active initiatives and cutting-edge techniques used to detect them.

It focuses on artificial intelligence and its major subfields, identifies deepfakes creation and detection examples including use cases and provides a quick overview of the national initiatives developed to tackle deepfakes.

Key questions answered in the report:

What are “Deepfakes” and what is the technology behind them?

What are their areas of application?

What techniques can spot them and who are the major players engaged in developing such techniques?

What are countries doing to face the threats deepfakes bring to the societies?

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