

# Human-AI Relations

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## Abstract

Artificial intelligence (AI) has invaded our lives, and Human-AI relations, also called Human-AI teaming (HAT), should be explored further from a human systems integration (HSI) perspective, more specifically, model-based HSI. HAT is closely associated with the concept of autonomy. Consequently, the term “Human Autonomy Teaming,” also known as HAT, is currently used in the defense sector. The concept of autonomy requires further investigation and a more formal physical and cognitive systemic representation supporting more detailed and meaningful analysis, specifically on situation awareness issues, decision-making, and risk-taking. HAT raises new issues such as trust, collaboration, and multi-agent performance. We will address these issues, leading to a new question: “To what extent should the machine be considered a tool or a partner?” Examples will be taken in the aeronautical sector.

## References

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