

Towards a unified model of Spatial Presence: Categories, Factors and Measurements, and its application in remote immersive environments through the study of Telepresence

Ph.D student: **Nawel Khenak**

Advisors: Jean-Marc Vézien et Patrick Bourdot

VENISE team

EDStic-Pole 3



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Spatial Presence: Definition

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La présence spatiale est phénomène psycho-cognitif faisant référence à un sentiment qui est éprouvé par une personne lorsqu'elle a l'impression de se trouver physiquement dans un environnement donné : on dit alors qu'elle *se sent là*.

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Spatial Presence is ***the sense of being there*** [1]

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Telepresence



Spatial Presence: Model

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Theory

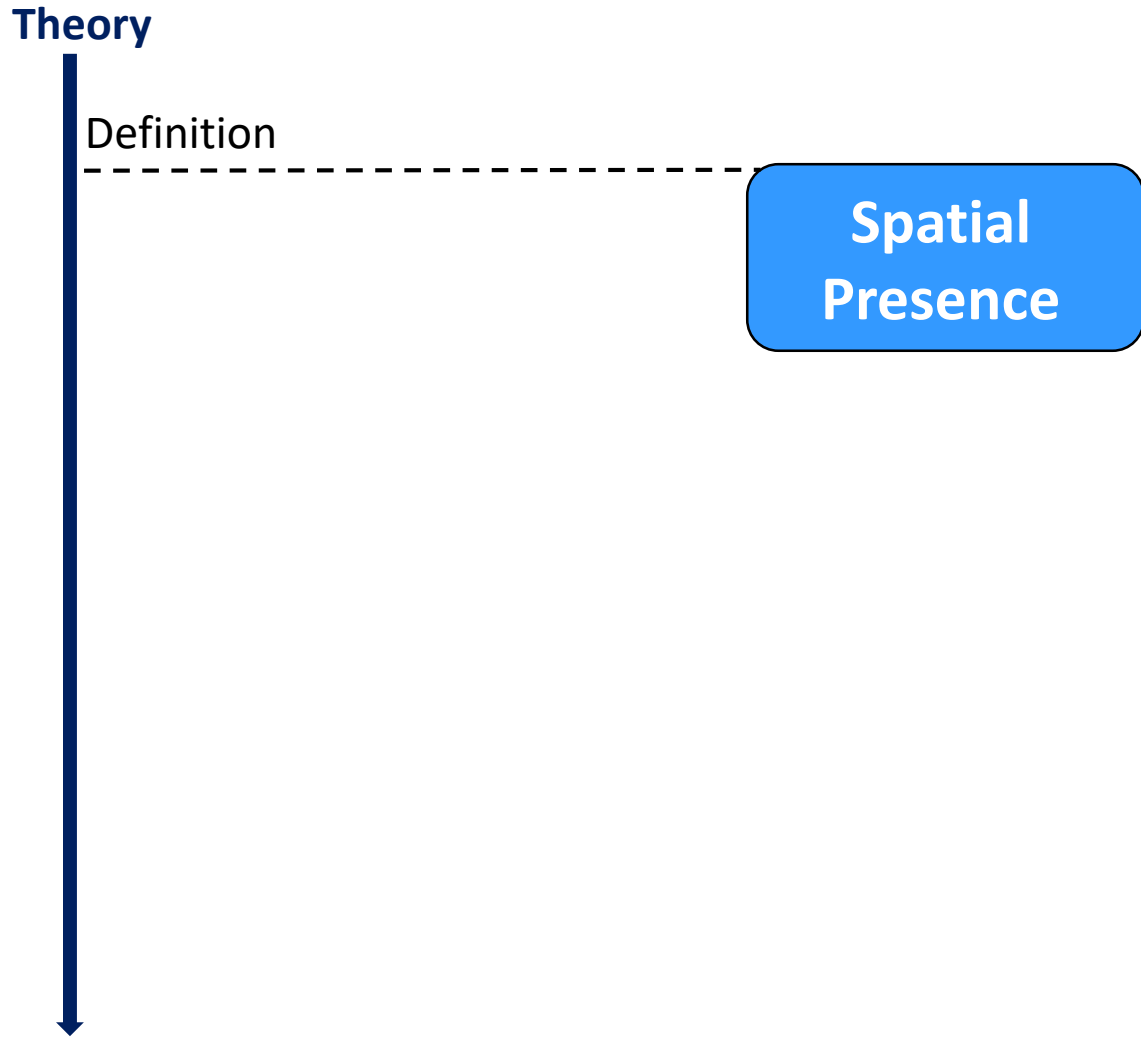


Spatial Presence: Model

Theory

Definition

Spatial
Presence



Spatial Presence: Model

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Definition

Categories

Spatial
Presence

Spatial Presence: Model

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**Spatial
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Definition

**Spatial
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Categories

Natural

Virtual

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Factors

Technological

- Immersion
- Interaction
- ...

Spatial Presence: Model

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**Spatial
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Psychological

- Amusement
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Spatial Presence: Model

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**Spatial
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Natural

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Technological

- Immersion
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Psychological

- Amusement
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- ...

**And many
others**

Merci 😊

Towards a unified model of Spatial Presence: Categories, Factors and Measurements



References

- [1] Sheridan, T. B. (1992). Musings on telepresence and virtual presence. *Presence: Teleoperators & Virtual Environments*, 1(1), 120-126.
- [2] Biocca, F., Burgoon, J., Harms, C., & Stoner, M. (2001). Criteria and scope conditions for a theory and measure of social presence. *Presence: Teleoperators and virtual environments*.
- [3] Steuer, J. (1992). Defining virtual reality: Dimensions determining telepresence. *Journal of communication*, 42(4), 73-93.

Drones

