

Cyril THOMAS

MCF



1. Identité

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2. Thèmes de recherche

Mes travaux de recherche portent principalement sur la compréhension des biais cognitifs de haut et de bas niveau, notamment en ayant recours à l'utilisation d'un outil expérimental original : la prestidigitation. En effet, les tours de magie offrent aux psychologues un terrain de recherche original et fertile pour mieux comprendre certains processus cognitifs tels que la perception, l'attention, le raisonnement, etc.... C'est au sein même de cette thématique que s'inscrivent plusieurs de mes recherches sur la perception visuelle et sur le raisonnement. Mes travaux sur la perception s'intéressent particulièrement aux processus cognitifs en jeu dans les phénomènes d'anticipation perceptive ainsi qu'à l'influence d'heuristiques sur l'interprétation de séquences visuelles simples. Mes recherches sur le raisonnement s'articulent essentiellement autour du phénomène de fixation de la pensée dans le domaine de la résolution de problèmes (aussi connu sous le nom d'effet « einstellung »).

Mots clés : biais cognitifs, résolution de problèmes, raisonnement, système duel, perception visuelle, prestidigitation.

3. Responsabilités

Responsable de l'unité d'enseignement APR4

4. Publications

- 1) Gygax, P., **Thomas, C.**, Didierjean, A., & Kuhn, G. (accepté). Another glass ceiling for women, and it's not magical. *Social Psychological Bulletin*.
- 2) **Thomas, C.**, Didierjean, & Nicolas, S. (2019). Binet et la prestidigitation : Comprendre les outils psychologiques des magiciens avec les outils méthodologiques du 19ème siècle. *Recherches et Educations, vol. 20*, Hors-Série.
- 3) **Thomas, C.**, Didierjean, A., & Kuhn, G. (2018). The Flushturation Count Illusion: Attribute substitution tricks our interpretation of a simple visual event sequence. *British Journal of Psychology, 109*, 850-861.
- 4) **Thomas, C.**, Didierjean, A., Maquestiaux, F., & Goujon, A. (2018). On the Limits of Statistical Learning: Intertrial Contextual Cueing is Confined to Temporally Close Contingences. *Attention, Perception & Psychophysics, 80*, 1420-1435.
- 5) **Thomas, C.**, Didierjean, A., & Kuhn, G. (2018). It is magic! How impossible solutions prevent the discovery of obvious ones? *The Quarterly Journal of Experimental Psychology, 71*, 2481-2487.
- 6) **Thomas, C.**, & Didierjean, A. (2016). Magicians fix your mind: How unlikely solutions block obvious ones. *Cognition, 154*, 169-173.
- 7) **Thomas, C.**, & Didierjean, A. (2016). No need for a social cue! A masked magician can also trick the audience in the vanishing ball illusion. *Attention, Perception & Psychophysics, 78*, 21-29.
- 8) **Thomas, C.**, Didierjean, A., & Nicolas, S. (2016). Scientific study of magic: Binet's pioneering approach based on observations and chronophotography. *American Journal of Psychology, 129*, 313-326.
- 9) **Thomas, C.**, & Didierjean, A. (2016). The ball vanishes in the air: Can we blame Representational Momentum? *Psychonomic Bulletin & Review, 23*, 1810-1817.
- 10) **Thomas, C.**, Didierjean, A., Maquestiaux, F., & Gygax, P. (2015). Does magic offer a cryptozoology ground for psychology? *Review of General Psychology, 19*, 117-128.

Chapitre de livre

Thomas, C., & Didierjean, A. (à paraître). Rusé comme un magicien: utiliser les failles de l'esprit pour étonner le spectateur. In Prettalli, M., & Didierjean, A. (Eds). *La ruse aux multiples facettes*.

5. Communications

Communications orales internationales

- 1) **Thomas, C.,** Didierjean, A., & Kuhn, G. (2017). The Flushtration Count Illusion: Attribute substitution tricks our visual perception. Talk given at the *Science of Magic Conference*, London, UK, 31st August.
- 2) Gygax, P., **Thomas, C.,** Didierjean, A., & Kuhn, G. (2017). When sexism creeps into perception: How gender stereotypes affect the way we perceive a magic trick. Talk given at the *Science of Magic Conference*, London, UK, 1st September.
- 3) Leighton, J., Kuhn, G., & **Thomas, C.** (2017). Think outside of the box! False solutions block our mind and not the eye. Talk given at the *Science of Magic Conference*, London, UK, 1st September.
- 4) **Thomas, C.,** Didierjean, A., & Kuhn, G. (2017). It is magic! How impossible solutions prevent the discovery of obvious ones? Invited speaker at the *Lunchtime Seminar*, University of Fribourg, Switzerland, 1st June.
- 5) **Thomas, C.,** Didierjean, A., & Kuhn, G. (2017). It is magic! How impossible solutions prevent the discovery of obvious ones? Talk given at the *International Convention of Psychological Science (ICPS)*, Vienna, Austria, 23th March.
- 6) **Thomas, C.** (2017). The science of magic. Invited speaker at the *Psychology of Magic Courses*, Goldsmiths University of London, UK, 10th January.
- 7) **Thomas, C.,** & Didierjean, A. (2016). Is the Vanishing Ball Illusion based on a representational momentum effect ? Talk given at the *International Science of Magic Workshop – EPS*, London, UK, 19th February.
- 8) **Thomas, C.,** & Didierjean, A. (2015). No Need for a Social Cue! A Masked Magician Can Also Trick the Audience in the Vanishing Ball Illusion. Talk given at the *SOMA meeting*, Goldsmiths University of

London, UK, 9th December.

Communications orales nationales

- 1) **Thomas, C., & Didierjean, A.** (2017). Binet et la psychologie de la prestidigitation. communication donnée au *Congr  Binet 2017*, Paris, France, 12-13 octobre.
- 2) **Thomas, C., & Didierjean, A.** (2016). Magicians fix your mind: How unlikely solutions block obvious ones? Invited speaker at the *s minaire de Chart-Upon, Universit  Paris Ouest Nanterre La D fense*, Nanterre, France, 20th May.
- 3) **Thomas, C., & Didierjean, A.** (2015). Psychologie de la prestidigitation: le lien entre la vanishing ball illusion (VBI) et le representational momentum effect (RM). Communication donn e au *56e Congr s National de la Soci t  Fran aise de Psychologie*, Strasbourg, France, 2-4 Septembre.

Communications affich es internationales

- 1) **Thomas, C., Didierjean, A., & Kuhn, G.** (2018). The Flushtration Count Illusion: Attribute substitution tricks our visual perception. *59th Annual meeting of the Psychonomic Society*, New Orleans, USA. 15-18 November.
- 2) **Thomas, C., Didierjean, A., & Kuhn, G.** (2017). It is magic! How impossible solutions prevent the discovery of obvious ones? *58th Annual meeting of the Psychonomic Society*, Vancouver, Canada. 8-11 November.
- 3) **Thomas, C., Didierjean, A., & Kuhn, G.** (2017). It is magic! How impossible solutions prevent the discovery of obvious ones? *Science of Magic Conference*, London, UK. 31st August.
- 4) Begey, M., **Thomas, C., & Didierjean, A.** (2017). Influence of the credibility of source on the mind fixing effect: a socio-cognitive approach of insight problem solving. *Science of Magic Conference*, London, UK. 31st August.
- 5) Vaughan, E., Caffaratti, H., **Thomas, C., & Kuhn, G.** (2017). Please Clap and observe! The effect of

audience presence on the experience of magic. *Science of Magic Conference*, London, UK. 31st August.

- 6) **Thomas, C.**, & Didierjean, A. (2016). No Need for a Social Cue! A Masked Magician Can Also Trick the Audience in the Vanishing Ball Illusion. *57th Annual Meeting of the Psychonomic Society*, Boston, USA. 17-20 November.
- 7) **Thomas, C.**, & Didierjean, A. (2016). No Need for a Social Cue! A Masked Magician Can Also Trick the Audience in the Vanishing Ball Illusion. *International Meeting of the Psychonomic Society*, Grenada, Spain. 5-8 May.
- 8) **Thomas, C.**, & Didierjean, A. (2015). No Need for a Social Cue! A Masked Magician Can Also Trick the Audience in the Vanishing Ball Illusion. Poster presented at the *56th Annual Meeting of the Psychonomic Society*, Chicago, Illinois. 19-22 November.
- 9) **Thomas, C.**, Goujon, A. & Didierjean, A. (2015). Inter-trial contextual cueing is confined to temporally adjacent contingences: the limits of implicit statistical Learning mechanisms. Poster presented at the *International Conference on Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain. 25-27 June.
- 10) **Thomas, C.**, Didierjean, A., Maquestiaux, F. & Goujon A. (2013). On Some limits of Inter-Trial, Contextual Cueing Effects. Poster presented at the *54th Annual Meeting of the Psychonomic Society*, Toronto, Ontario, Canada. 14-17 November.

Communication affichée nationale

Thomas, C., Didierjean, A., Maquestiaux, F. & Goujon, A. (2013). Limitations of the intertrial temporal contextual cuing? Poster presented at the *55^e Congrès National de la Société Française de Psychologie*, Lyon, France.

6. Diffusion de la recherche

- 1) Didierjean, A., & **Thomas, C.** (2017). Se souvenir... De ce qui ne nous est pas arrivé. *Le Cercle Psy, Hors-Série : Les 25 grandes expériences de la psychologie, Novembre-Décembre, 6*, 82-85.
- 2) **Thomas, C.**, & Didierjean, A. (2016). Des magiciens au laboratoire. *Cerveau & Psycho, 73*, 20-24.

- 3) Didierjean, A. & **Thomas, C.** (2015). Toujours un temps d'avance. *Cerveau & Psycho, l'essentiel*, Février-Avril, 21, 28-33.

7. Enseignements

DIF3, TER L3, APR4, DIF2