BING LI

Ph.D., Cognitive neuroscience ∼ researcher

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SUMMARY

I'm a researcher specializing in language cognition, brain sciences, and human-robot interaction (HRI). I'm Extremely enthusiastic about natural languages and cutting-edge technologies. I have developed a deep understanding of language and its implications in technologies, as well as computing skills to implement my ideas.

COMPETENCE

Specs: Statistics & data science, Network analysis, Natural Language Processing, Behav. & neurosci. methods (incl. eye-tracking & fMRI)

Skills: R, Python (PyTorch), Linux, LaTeX, Emacs-Lisp, JavaScript, HTML, Java/Android, SQL

EXPERIENCE

To be determined — **Principal Developer** — **CNRS Innovation (Paris)**
- Director: Prof. Tatjana Nazir
- Project: JuSem (Jumeaux sémantiques / Semantic twins)

To be determined — **Principal Developer** — **FR-SCV (Tourcoing)**
- Director: Prof. Tatjana Nazir
- Project: SAVV-IHR (Synchronisation des attributs verbaux et visuels dans l'interaction homme-robot / Synchronizing Verbal and Visual Attributes in Human-Robot Interaction)
- Full-fund winner

10/23 - 10/21 — **Post-doctoral researcher** — **Université de Lille**
- Director: Prof. Tatjana Nazir
- Project: Perceiving the social beings in artificial agents

12/22 - 10/23 — **Master thesis co-supervisor** — **Université de Lille**
- Student: Oumayma Ajjaji, Heidi Sainte-Catherine
- Project: M2 graduate programme
- Subject: Perceived semantic distances between humans and robots

09/23 - 12/23 — **Ph.D thesis co-supervisor** — **Université de Lille**
- Student: Melisa Yavuz
- Project: Ph.D graduate programme
- Subject: the linguistic implications of Aphantasia

12/21 - 10/14 — **Master and Ph.D. candidate** — **East China Normal University (Shanghai)**
- Supervisor: Prof. Qing Cai
- Project: Semantic representations and natural text processing

12/12 - 12/11 — **Product manager in web application development** — **Tusheng Network Technologies Ltm., (Beijing)**
- Responsibility: User experience and user interface design
- Project: Kuai Su Wen Yi Sheng

EDUCATION

6/21 - 9/14 — **East China Normal University** — **Ph.D., Cognitive Neuroscience**
Shanghai, China

6/11 - 9/07 — **Hebei Normal University** — **Bachelor, Applied Psychology**
Hebei, China

PUBLICATIONS

2023 — **Language cognition**
Yang, Y., Li, L., de Deyne, S., **Li, B.**, Wang, J., & Cai, Q. (2023). Unraveling lexical semantics in the brain: comparing internal, external, and hybrid language models. Human Brain Mapping

2023 — **Human-robot interaction**
Li, B., Ajjaji, O., Gigandet, R., & Nazir, T. (2023). The body images of social robots. In , 2023 IEEE International Conference on Advanced Robotics and Its Social Impacts (ARSO) (pp. 1–8).

2023 — **Human-robot interaction**
Gigandet, R., Dutoit, Xénia, **Li, B.**, Diana, M. C., & Nazir, T. A. (2023). The "eve effect bias": epistemic vigilance and human belief in concealed capacities of social robots. In , 2023 IEEE International Conference on Advanced Robotics and Its Social Impacts (ARSO) (pp. 15–20). : .

2022	**Human-robot interaction**
	Casso, I., **Li, B.**, Nazir, T., & Delevoye-Turrell, Y. N. (2022). The effect of robot posture and idle motion on spontaneous emotional contagion during robot-human interactions. arXiv preprint arXiv:2209.00983
2020	**Language cognition**
	De Deyne, S., Cabana, Álvaro, **Li, B.**, Cai, Q., & McKague, M. (2020). A cross-linguistic study into the contribution of affective connotation in the lexico-semantic representation of concrete and abstract concepts. In , Proceedings of the Annual Conference of the Cognitive Science Society.
In preparation	**Language cognitive**
	Saccades follow syntax during natural text reading
In preparation	**Language cognition**
	SWOW-ZH: a Chinese word association lexicon
In preparation	**Language cognition & HRI**
	The semantic twins paper

CONFERENCES

09/23	**2023 The conference series on Embodied and Situated Language Processing (ESLP)**	Messina
	Talk: Embodied Words: Exploring the Relationship Among Word Associations, Physical Appearances, and Body Images	
06/23	**2023 IEEE International Conference on Advanced Robotics and Its Social Impacts (ARSO)**	Berlin
	Talk: The Body Images of Social Robots	
09/22	**22nd conference of the European Society for Cognitive Psychology (ESCOP)**	Lille
	Poster: Improving the Acceptability of Social Robots: Make Them Different from Humans	
09/22	**2022 The conference series on Embodied and Situated Language Processing (ESLP)**	Lille
	The organizing team	
09/21	**2021 The annual conference of Chinese Psychological Society**	Shanghai
	Poster: Semantic Representations and Natural Text Processing - From Words to Texts	

LANGUAGES

- **English** - fluent
- **Mandarin Chinese** - native
- **Française** - beginner

WRITINGS

- Why gendered languages refer to robots with masculine words?
- What are the body images of social robots