

# He HUANG

## PERSONAL DATA

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## EDUCATION

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- 2022 -Now Postdoctoral researcher, **Vrije Universiteit Brussel**, Brussels, Belgium  
Direction: Multi-criteria decision analysis
- 2018 -2022 PhD in HUMAN SCIENCE, **Vrije Universiteit Brussel**, Brussels, Belgium  
Major: Applied Economics  
Title of the PhD research: "Stakeholder involvement: a Participatory tool"
- 2017 -2018 Master of Science in ELECTRONICS AND ICT, **KU LEUVEN**, Leuven, Belgium  
Major: Internet Computing
- 2015 -2017 Bachelor of Science in ENGINEERING TECHNOLOGY, **KU LEUVEN**, Leuven, Belgium  
Major: Electronics Engineering

## EXPERIENCE

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- 2021 -Now Editor, **EURO Working Group on MCDA (EWG-MCDA)**
- 2021 -Now Editor, **International Society on Multiple Criteria Decision Making (MCDM)**

## PUBLICATIONS

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1. Nicolas Brusselaers, He Huang, Cathy Macharis, and K Mommens. A gps-based approach to measure the environmental impact of construction-related hgv traffic on city level. *Environmental Impact Assessment Review*, 98:106955, 2023
2. He Huang, Koen Mommens, Philippe Lebeau, and Cathy Macharis. The multi-actor multi-criteria analysis (mamca) for mass-participation decision making. In *International Conference on Decision Support System Technology*, pages 3–17. Springer, 2021
3. He Huang, Yves De Smet, Cathy Macharis, and Nguyen Anh Vu Doan. Collaborative decision-making in sustainable mobility: identifying possible consensuses in the multi-actor multi-criteria analysis based on inverse mixed-integer linear optimization. *International Journal of Sustainable Development & World Ecology*, 28(1):64–74, 2021
4. He Huang, Philippe Lebeau, and Cathy Macharis. The multi-actor multi-criteria analysis (mamca): New software and new visualizations. In *International Conference on Decision Support System Technology*, pages 43–56. Springer, 2020
5. Sheida Hadavi, Heleen Buldeo Rai, Sara Verlinde, He Huang, Cathy Macharis, and Tias Guns. Analyzing passenger and freight vehicle movements from automatic-number plate recognition camera data. *European Transport Research Review*, 12(1):1–17, 2020

## CONFERENCE PRESENTATION

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1. He Huang, Geert Te Boveldt, and Cathy Macharis. A criteria pre-processing framework in the multi-actor multi-criteria analysis. In *32nd European Conference On Operational Research*, 2022
2. He Huang, Geert Te Boveldt, and Cathy Macharis. Priority-based multi-actor multi-criteria decision making. In *26 th International Conference on Multiple Criteria Decision Making*, 2022

3. He Huang. Involve multiple stakeholder groups to reach a sustainable consensus in mobility projects. In *The meeting of the EURO Working Group on Multiple Criteria Decision Aiding*, 2022
4. He Huang and Cathy Macharis. Integrating socio-demographic profiles into multi-actor multi-criteria analysis: A case study on university covid-19 policy evaluation. In *22nd Conference of the International Federation of Operational Research Societies*, 2021
5. He Huang, Yves De Smet, and Cathy Macharis. Data visualization for reaching consensus in the multi-actor multi-criteria analysis. In *31st European Conference On Operational Research*, 2021
6. He Huang, Koen Mommens, Philippe Lebeau, and Cathy Macharis. The multi-actor multi-criteria analysis (mamca) for mass-participation decision making. In *International Conference on Decision Support System Technology*, pages 3–17. Springer, 2021
7. He Huang, Philippe Lebeau, and Cathy Macharis. The multi-actor multi-criteria analysis (mamca): New software and new visualizations. In *International Conference on Decision Support System Technology*, pages 43–56. Springer, 2020
8. He Huang, Cathy Macharis, Yves De Smet, and Anh Vu Doan Nguyen. A method of reaching consensus with the multi-actor multi-criteria analysis (mamca) methodology. In *25th International Conference on Multiple Criteria Decision Making*, 2019