

# Fresh perspectives on global challenges

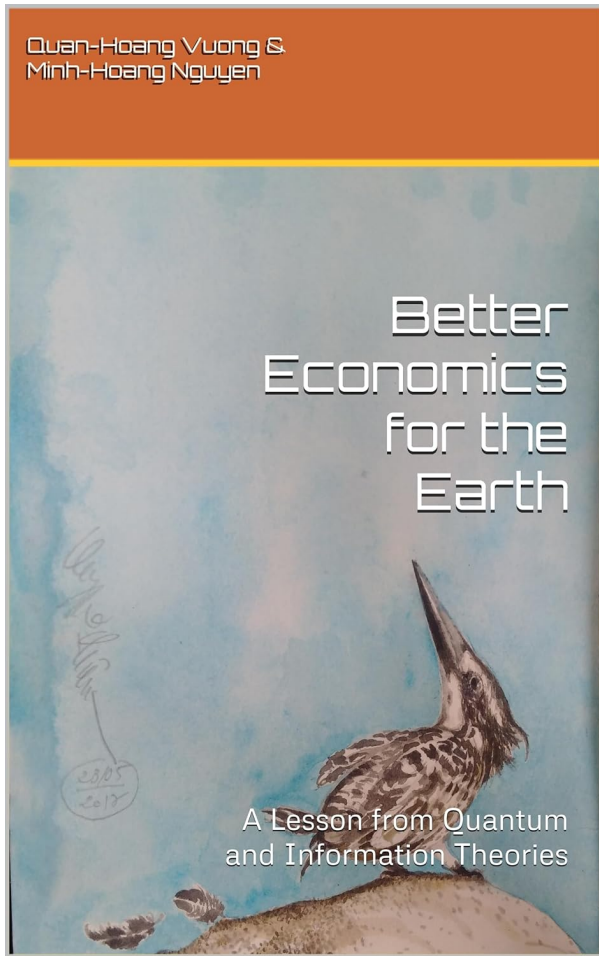
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## [BOOK REVIEW]

If you're fascinated by how combining different scientific perspectives can offer new insights into socio-economic systems, this book might be of interest. It introduces an interdisciplinary approach that blends concepts from physics, quantum mechanics, and information theory with the social sciences, particularly economics. By revisiting traditional economic theories and incorporating principles from physics, the book provides a novel way to view complex socio-economic systems.



**Illustration.** Front cover of the title [1].

The book explores how quantum principles and informational entropy can be applied to core economic concepts such as “value”. This approach provides a new perspective on value formation, decision-making, and socio-economic dynamics, reflecting the unpredictability and interconnectedness of economic systems. By integrating these scientific frameworks, the book suggests methods for creating models that better capture the complexities of our interconnected world.

Additionally, this interdisciplinary approach offers fresh perspectives on global challenges such as environmental sustainability, technological change, and socio-economic inequalities. By applying quantum mechanics and information theory to the social sciences, the book opens up new ways to understand human behavior, market dynamics, and policy outcomes. For instance, theories like Mindsponge, which examine how information influences value formation, might benefit from quantum analogies, providing insights into how people deal with conflicting information and uncertainty.

In summary, blending physics with economic theory offers a more nuanced framework for exploring and addressing the diverse challenges of contemporary society, including sustainability and inequality.

(\*) *Editorial note:* The post reprints Dr. Duong's review of the title on Goodreads, with the addition of some relevant references (accessed on Sept 15, 2024; <https://www.goodreads.com/book/show/216375689-better-economics-for-the-earth>)

## References

- [1] Vuong QH, Nguyen MH. (2024). *Better economics for the Earth: A lesson from quantum and information theories*. AISDL. <https://www.amazon.com/gp/product/B0D98L5K44/>
- [2] Rovelli C. (2018). *Reality is not what it seems: The journey to quantum gravity*. Penguin. <https://www.amazon.com/dp/0735213933>
- [3] Shannon CE. (1948). A mathematical theory of communication. *The Bell System Technical Journal*, **27**(3), 379-423. <https://ieeexplore.ieee.org/document/6773024>
- [4] Feynman RP. (1949). Space-time approach to quantum electrodynamics. *Physical Review*, **76**(6), 769-789. <https://journals.aps.org/pr/abstract/10.1103/PhysRev.76.769>
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