

Tyler Hansen

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Position

Future: Research Associate, Dept. of Environmental Studies
Dartmouth College *Begins Nov. 2023*

Current: Postdoc, Dept. of Wind & Energy Systems
Technical University of Denmark (DTU) *Aug. 2021-Oct. 2023*

Education

Ph.D. in Economics, University of Massachusetts Amherst *Jun. 2021*

M.A. in Economics, University of Massachusetts Amherst *Feb. 2018*

B.A. in Mathematics and Religion, Luther College *May 2011*

Research Fields, Interests, & Methods

Fields

- Energy economics and political economy
- Energy policy and governance
- Environmental and ecological economics

Topics

- Accelerating clean and just energy transitions
- Offshore wind development
- Local economic impacts of wind power
- Stranded fossil fuel assets

Methods

- *Quantitative*: Econometrics, analytical modeling, discounted-cashflow analysis, descriptive analysis
- *Qualitative*: Interviews, focus groups, case studies, systematic mapping, concept mapping, literature review

Publications

Peer reviewed

Hansen, T. A., Wilson, E. J., Fitts, J. P., Jansen, M., Beiter, P., Steffen, B., Xu, B., Guillet, J., Münster, M., Kitzing, L. (2023, Forthcoming) "Five

Grand Challenges of Offshore Wind Financing in the United States.”
Energy Research & Social Science.

Hansen, T. A. (2022). “Stranded assets and reduced profits: Analyzing the economic underpinnings of the fossil fuel industry’s resistance to climate stabilization.” *Renewable and Sustainable Energy Reviews*, 158.
<https://doi.org/10.1016/j.rser.2022.112144>

Hansen, T. A., & Pollin, R. (2020). “Economics and Climate Justice Activism: Assessing the Financial Impact of the Fossil Fuel Divestment Movement.” *Review of Social Economy*.
<https://doi.org/10.1080/00346764.2020.1785539>.

Dedoussi, I. C., Allroggen, F., Flanagan, R., **Hansen, T. A.**, Taylor, B., Barrett, S. R. H., & Boyce, J. K. (2019). “The Co-Pollutant Cost of Carbon Emissions: An Analysis of the US Electric Power Generation Sector.” *Env. Research Letters* 14 (9). <https://doi.org/10.1088/1748-9326/ab34e3>.

Under Peer Review

Grant, D., Jorgenson, A., Longhofer, W., **Hansen, T. A.** “Does the prospect of stranding fossil fuel assets lead power plants to emit more or less carbon pollution?: An empirical, worldwide analysis.” Under review at *Nature Energy*.

Reports

Gea-Bermúdez, J. **Hansen, T. A.**, & Kitzing, L. (2023). International auctions in a joint offshore wind hub: A policy case study on a potential cooperation between Germany, the Netherlands and Denmark in the North Sea. *AURES II*. <http://aures2project.eu/>.

Badger, J., Hansen, B. O., Mitsakou, A., Blagojevic, S. S., **Hansen, T. A.**, Clausen, N. (2022). Case Study-based Prefeasibility Assessment of Offshore Wind Resources in Egypt.
<https://orbit.dtu.dk/en/publications/case-study-based-prefeasibility-assessment-of-offshore-wind-resou>.

Hansen, T. A., Kitzing, L., Wilson, E. J. et al. (2022). “The Grand Challenges of Offshore Wind Financing in the U.S.”
<https://orbit.dtu.dk/en/publications/the-grand-challenges-of-offshore-wind-financing-in-the-us>.

Pollin, R., Wicks-Lim, J., Chakraborty, S., & **Hansen, T. A.** (2019). “A Green Growth Program for Colorado”. *Political Economy Research Institute*.
<https://peri.umass.edu/publication/item/1168-a-green-growth-program-for-colorado>.

Doctoral Dissertation

Hansen, T. A. (2021). "Three Essays on the Political Economy of Global Inaction on Climate Change."

https://scholarworks.umass.edu/dissertations_2/2334/.

Works-in-progress

Hansen, T. A. & Kitzing, L. (to be submitted Fall 2023). "Governing green moonshots: The case of the Danish Energy Islands."

Laido, A. S., Kitzing, L., & **Hansen, T. A.** (to be submitted Fall 2023). "Assessing the impacts of seabed lease agreements and allocation mechanisms on the offshore wind business case."

Hansen, P. B., **Hansen, T. A.**, & Kitzing, L. (to be submitted Spring 2024). "Mapping the energy profitability landscape: A comparison of the fossil fuel and renewable energy industries."

Other Research Experience

Research Assistant to Prof. Robert Pollin, UMass Amherst *May 2017-Jan. 2021*

Research Assistant to Prof. James K. Boyce, UMass Amherst *Mar.-Dec. 2017*

Teaching & Supervision

Co-supervisor, Technical University of Denmark *Sep. 2021-Present*
1 Ph.D. student and 3 M.S. students (Energy Economics)

Co-instructor, Technical University of Denmark *Apr. 2022-Present*
Special course / Independent Study: Profitability in the Energy Sector

Online Instructor, University of Massachusetts Amherst *Dec. 2019-May 2020*
Courses: Introduction to Political Economy (1 semester), Intermediate Political Economy (1 semester)

Teaching Assistant, University of Massachusetts Amherst *Sep. 2015-Dec. 2019*
Courses: Introduction to Macroeconomics (3 semesters), Introduction to Microeconomics (1 semester)

Instructor, Center for Popular Economics, Amherst, MA *Aug. 2017*
Course: Center for Popular Economics Summer Institute (a week-long intensive introductory political economy course for social activists)

Awards and Honors

Baltic Energy Island Research Retreat, DTU Wind & Energy Systems *May-Jun. 2023*

Dissertation Fellowship, Political Economy Research Institute *Jan.-May 2021*

Wind Energy Fellow, UMass Amherst *Sep. 2019-May 2020*

Phi Beta Kappa, Luther College*Apr. 2011***Conferences and Workshops**

Business-Academia collaboration workshop: “Offshore Wind Financing: Grand Challenges & Innovative Solutions”, Columbia University
(Participant) *Jun. 2022*

ENERforsk Workshop, Copenhagen Business School
(Presentation: “Economic Policy for the Offshore Wind Challenge: The case of the Danish Energy Islands”) *Mar. 2022*

EERA DeepWind Conference, Online
(Presentation: “Economic Policy for the Offshore Wind Challenge: The case of the Danish Energy Islands”) *Jan. 2021*

Florence Summer School on Energy Systems for Young Researchers (online)
(Participant) *Sep. 2021*

Union for Radical Political Economics 50th Anniv. Conference, Amherst, MA
(Presentation: “Assessing the Fossil Fuel Divestment Movement”) *Sep. 2018*

Eastern Economics Association Meetings, Boston, MA
(Presentation: “From Fossil Fuel Divestment to Green New Deal”) *Mar. 2018*

The New School-UMass Econ. Grad. Student Workshop, Amherst, MA
(Presentation: “The Distribution of Climate Policy Air Quality Co-benefits”) *Nov. 2016*

Professional Service

Coordinator for Brown Bag Seminar, DTU *Jan. 2022-Present*

Referee: *Env. Res. & Soc. Sci.*; *Env. Res. Letters* *Sep. 2020-Present*

Faculty Search Committee, UMass Amherst *Sep. 2016-May 2017*

References

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