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Professor Brian Vad Mathiesen

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Biography

96 words

Brian Vad Mathiesen, Professor in Energy Planning and Renewable Energy Systems at Aalborg University, is one of the leading researchers behind the concepts of Smart Energy Systems and electrofuels. He is on Thomson Reuters Highly Cited list, a global list of the top 1% cited researchers; a member of the EU Commission expert group on electricity interconnection targets in the EU, and Principal Investigator (PI) of the RE-INVEST and sEEnergies projects. His research focuses on the technological and socio-economic shift to renewable energy (RE), large-scale integration of variable resources and the design of 100% RE systems.

212 words

Brian Vad Mathiesen, Professor in Energy Planning and Renewable Energy Systems at Aalborg University, holds a PhD in fuel cells and electrolysers in future energy systems (2008). His research focuses on technological and socio-economic transitions to renewables, energy storage, large-scale renewable energy integration and the design of 100% renewable energy systems. He is one of the leading researchers behind the concepts of Smart Energy Systems and electrofuels. He is on the Thomson Reuters Highly Cited list (2015-2017), thus among the top 1% most cited researchers globally. Among other positions, he is member of the EU Commission expert group on electricity interconnection targets in the EU as well as Research Coordinator of the Sustainable Energy Planning Research group, Principal Investigator (PI) of RE-INVEST and sEEnergies projects, Coordinator of Heat Roadmap Europe and Programme Director for the MSc in Sustainable Cities. He has been PI, work package leader and participant in more than 60 research projects as well as editorial board member of The Journal of Energy Storage (Elsevier) and The Journal of Sustainable Development of Energy, Water & Environment Systems; Associate Editor of Energy, Ecology and Environment (Springer) and Editor of the International Journal of Sustainable Energy Planning and Management. Furthermore, he is a member of The Danish Academy of Technical Sciences (ATV).

280 words

Brian Vad Mathiesen, Professor in Energy Planning at Aalborg University, is one of the world's leading researchers in renewable energy systems and is listed in the Thomson Reuters ISI Highly Cited researchers from 2015 to 2018, thus ranked among the top 1% researchers in the world. His research focuses on the technological, economic and societal shift to renewables, large-scale integration of variable renewable energy resources (e.g. wind power) and the design of 100% renewable energy systems. He holds a PhD in fuel cells and electrolysers in future energy systems (2008) and is one of the leading researchers behind the concepts of Smart Energy Systems and electrofuels. Among other positions, Brian Vad Mathiesen a member of the EU Commission expert group on electricity interconnection targets in the Energy Union, Research Coordinator of the Sustainable Energy Planning Research group, Principal Investigator (PI) of the RE-INVEST and sEEnergies projects, Coordinator of Heat Roadmap Europe, and Programme Director for and co-founder of the MSc in Sustainable Cities. He has been PI, work package leader and participant in more than 60 research projects. In 2016, together with partners from DTU and Haldor Topsøe, he received the prestigious ForskEl Prize for a research project on the use of electrolysis with renewable energy. His editorial activities include being an editorial board member of the Journal of Energy Storage (Elsevier) and The Journal of Sustainable Development of Energy, Water & Environment Systems; Associate Editor of Energy, Ecology and Environment (Springer) and Editor of the International Journal of Sustainable Energy Planning and Management. He is a member of The Danish Academy of Technical Sciences (ATV) and makes more than 25 annual keynote and public speeches in Denmark and internationally.