

Diffusion of Quality Artificial Intelligence - From the Individual Entity to Global Society

Initiative: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen

Ausschreibung: Künstliche Intelligenz – Ihre Auswirkungen auf die Gesellschaft von morgen - Planning Grant

Bewilligung: 16.12.2019

Laufzeit: 1 Jahre

Impacts of AI on productivity, wages or society are yet not clearly visible. AI is diffusing relatively slowly through businesses, institutions and societies. However, the societal impact of AI will inter alia depend on the diffusion and the quality or "friendliness" of AI. Social benefits and implementation of quality AI are interdependent with the channels, rapidness, concentration, and profiting groups of AI diffusion. Therefore, the objective of this project is to understand the diffusion process of quality AI with respect to manner, channels, speed and concentration, and their effects. The project begins with individual entities like firms and consumers, move to countries and finally include developing economies and the global society. The planning grant should prepare for establishing a leading research cluster/center. Four dimensions are crucial. (i) Establishment of a technical and organizational infrastructure for a global research network. (ii) Overcome obstacles from heterogeneity of an interdisciplinary consortium with respect to discipline specific technical terminology, (narrow) perspectives of thinking, or knowledge gaps. (iii) Identify the most important research gaps from an interdisciplinary point of view and determine the optimal combination of researchers for various subtopics of the planned project. (iv) Elaboration of the research proposal for the main project.

Projektbeteiligte

Prof. Dr. Thomas Gries

Universität Paderborn
Fakultät für Wirtschaftswissenschaften
Makroökonomik, Internationale Wachstums-
und Konjunkturtheorie
Paderborn

Prof. Dr. Wim Naudé

Eindhoven University of Technology
Jheronimus Academy of Data Science
's-Hertogenbosch
Niederlande

