Beyond the Battle for Supremacy: Reshaping Global Semiconductor Supply Chain

Hyung-gon Jeong

Senior Research Fellow, Korea Institute for International Economic Policy (KIEP), Korea

The paper titled "Beyond the Battle for Supremacy: Reshaping the Global Semiconductor Supply Chain" investigates the conflict between the United States and China for semiconductor dominance and its policy implications. With semiconductor-based technologies holding extensive significance for economic competition and national security, the study addresses the impact of U.S. sanctions specifically targeted at China's semiconductor industry. The central questions explored are whether these sanctions will hinder China's rapid development in the semiconductor sector and what consequences they will have on global supply chains.

Utilizing competitive and network analyses of the global semiconductor supply chain, the research assesses the role and status of major countries involved in the supply chain. By evaluating the findings, the study examines the potential effects of U.S. sanctions on the Chinese, U.S., and global semiconductor industries.

In essence, this research paper sheds light on the intricate dynamics of global semiconductor supply chains, specifically focusing on the conflict between the United States and China. It analyzes the implications of U.S. sanctions on China's semiconductor industry and its broader consequences for the global semiconductor landscape, ultimately offering policy recommendations in response to these developments.