

# Robot, Trade and Employment: unravelling the relationship

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Our paper deals with the impact of robot adoption diff using through global value chain (GVC) relationships on the employment dynamics within the European context. We empirically contribute to the literature investigating the broader effects of robot adoption, departing from previous bi-lateral case studies and providing insights into employment dynamics in a trade-integrated European context. We concentrate on the top five European economies as robot adopters over the period from 1995 to 2018 and develop a composite indicator that captures both the penetration of industrial robots within these economies and the export reliance of other European nations on them. Our findings show a positive association between top five robot adoption and employment outcomes, suggesting the prevalence of a productivity effect within the highly integrated European market, pulled by lower income countries.