
Robots and AI



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Paradigm-changing innovations included the steam engine, the electric motor, the digital computer, and a range of products and services falling under the rubric of Information and Communications Technology (ICT). Technological advances drive economic growth. Industrial robots, especially those that apply artificial intelligence, offer perhaps the greatest scope for technological improvement and productivity gains in the modern industrial era. Robots can increase the speed and precision of industrial processes while making them safer and more reliable. High-skilled workers, those employed in technology-intensive sectors, and those performing non-routine tasks may benefit as industrial robots leverage their productivity. Automation and Artificial Intelligence can encourage greater international division of labor in global value chains and promote trade in AI-enabled services. Like all new technologies, there will be adjustment costs that must be managed by policymakers.

Biography:

Lili Yan Ing is a Lead Advisor (Southeast Asia Region), the Economic Research Institute for ASEAN and East Asia (ERIA). Dr Ing also serves as Secretary General of the International Economic Association (IEA).

Dr. Ing was appointed as Lead Advisor to the Minister of Trade of Indonesia from 2017–2019 and Senior Advisor on Trade and Investment at the President's Office of the Republic of Indonesia from 2015–2016. Her latest books: *G20 Indonesia: New Normal, New Technologies, New Financing* (with Dani Rodrik) and *Robots and AI: A New Economic Era* (with Gene Grossman).