

Acronyms

3D	Three dimensional	STL	Standard tessellation language
AFM	Atomic force microscope	STM	Scanning tunneling microscope
AI	Artificial intelligence	TEM	Transmission electron microscope
ARPA-E	Advanced Research Project Agency-Energy	TFP	Total factor productivity
ASTM	American Society for Testing and Materials	TNO	Netherlands Organisation for Applied Scientific Research
AT&T	American Telephone & Telegraph	TRIPS	Agreement on Trade-Related Aspects of Intellectual Property Rights
BEA	Bureau of Economic Analysis	UK	United Kingdom
CARG	Compounded annual rate of growth	UKIPO	United Kingdom Intellectual Property Office
DARPA	Defense Advanced Research Projects Agency	UN	United Nations
DNA	Deoxyribonucleic acid	UN ECE	United Nations Economic Commission for Europe
EU	European Union	US	United States of America
FDA	US Food and Drug Administration	USD	United States dollar
FDI	Foreign direct investment	USDA	US Department of Agriculture
GDP	Gross domestic product	USPTO	United States Patent and Trademark Office
GPT	General purpose technology	VC	Venture capital
IBM	The International Business Machines Corporation	WIPO	World Intellectual Property Organization
IC	Integrated circuit	XML	Extensible markup language
ICT	Information and communication technology		
IDM	Integrated Device Manufacturer		
IFR	International Federation of Robotics		
IMF	International Monetary Fund		
IP	Intellectual property		
IPC	International Patent Classification		
MAA	Manufacturer's Aircraft Association		
MIT	Massachusetts Institute of Technology		
MITI	Ministry of International Trade and Industry		
NACA	National Advisory Committee on Aeronautics		
NASA	National Aeronautics and Space Administration		
NEC	Nippon Electric Company		
OECD	Organisation for Economic Co-operation and Development		
PC	Personal computer		
PRO	Public research organization		
R&D	Research and development		
ROS	Robot operation system		
SCPA	Semiconductor Chip Protection Act		
SEM	Scanning electron microscope		
STEM	Scanning transmission electron microscope		