

# Glossary

## TECHNICAL ACRONYMS

<b>ADC</b>	Analog-to-Digital Converters
<b>AFE</b>	Analog-front-end
<b>ALD</b>	Atomic layer deposition
<b>CMP</b>	Chemical mechanical polishing
<b>CMOS</b>	Complementary metal-oxide-semiconductor
<b>CNT</b>	Carbon Nanotubes
<b>DRIE</b>	Deep-reactive ion etching
<b>FET</b>	Field-effect transistor
<b>MOSFET</b>	Metal-oxide-semiconductor field-effect transistor

## MIT ACRONYMS

<b>BE</b>	Department of Biological Engineering
<b>Biology</b>	Department of Biology
<b>ChemE</b>	Department of Chemical Engineering
<b>CICS</b>	Center for Integrated Circuits and Systems
<b>CMSE</b>	Center for Materials Science and Engineering
<b>↑ CMSE/IRG</b>	CMSE Interdisciplinary Research Groups
<b>DMSE</b>	Department of Materials Science & Engineering
<b>EECS</b>	Department of Electrical Engineering & Computer Science
<b>IMES</b>	Institute for Medical Engineering and Science
<b>JWAFS</b>	MIT Abdul Latif Jameel World Water and Food Security Lab
<b>KI</b>	David H. Koch Institute for Integrative Cancer Research
<b>LL</b>	Lincoln Laboratory
<b>MAS</b>	Program in Media Arts & Sciences
<b>MechE</b>	Department of Mechanical Engineering
<b>MEDRC</b>	Medical Electronic Device Realization Center
<b>MIT-CG</b>	MIT/MTL Center for Graphene Devices and 2D Systems
<b>MITEI</b>	MIT Energy Initiative
<b>MIT-GaN</b>	MIT/MTL Gallium Nitride (GaN) Energy Initiative
<b>MISTI</b>	MIT International Science and Technology Initiatives
<b>MIT-SUTD</b>	MIT-Singapore University of Technology and Design Collaboration Office
<b>MIT Skoltech</b>	MIT Skoltech Initiative
<b>MTL</b>	Microsystems Technology Laboratories
<b>NSE</b>	Department of Nuclear Science & Engineering

<b>Physics</b>	Department of Physics
<b>S3TEC</b>	Solid State Thermal Energy Conversion Center
<b>Sloan</b>	Sloan School of Management
<b>SMA</b>	Singapore-MIT Alliance
↑ <b>SMART</b>	Singapore-MIT Alliance for Research and Technology Center
↑ <b>SMART-LEES</b>	SMART Low Energy Electronic Systems Center
<b>SUTD-MIT</b>	MIT-Singapore University of Technology and Design Collaboration Office
<b>TPP</b>	Technology and Policy Program

## U.S. GOVERNMENT ACRONYMS

<b>AFOSR</b>	U.S. Air Force Office of Scientific Research
<b>AFRL</b>	U.S. Air Force Research Laboratory
<b>ARL</b>	U.S. Army Research Laboratory
↑ <b>ARL-CDQI</b>	U.S. Army Research Laboratory Center for Distributed Quantum Information
<b>ARPA-E</b>	Advanced Research Projects Agency - Energy (DOE)
<b>DARPA</b>	Defense Advanced Research Projects Agency
↑ <b>YFA</b>	DARPA Young Faculty Award DoD, U.S. Department of Defense
<b>DOE</b>	Department of Energy
↑ <b>EFRC</b>	U.S. Department of Energy: Energy Frontier Research Center (Center for Excitonics)
<b>DTRA</b>	U.S. DoD Defense Threat Reduction Agency
<b>IARPA</b>	Intelligence Advanced Research Projects Activity
<b>NASA</b>	National Aeronautics and Space Administration
<b>NDSEG</b>	National Defense Science and Engineering Graduate Fellowship
<b>NIH</b>	National Institutes of Health
↑ <b>NCI</b>	National Cancer Institute
<b>NSF</b>	National Science Foundation
↑ <b>CIQM</b>	NSF Center for Integrated Quantum Materials
↑ <b>CSNE</b>	NSF Center for Sensorimotor Neural Engineering
↑ <b>E3S</b>	NSF Center for Energy Efficient Electronics Science
↑ <b>GRFP</b>	NSF Graduate Research Fellowship Program
↑ <b>MRSEC</b>	NSF Materials Research Science and Engineering Centers
↑ <b>NEEDS</b>	NSF Nano-Engineered Electronic Device Simulation Node
<b>ONR</b>	Office of Naval Research
↑ <b>DRIFT-MURI</b>	Design-for-Reliability Initiative for Future Technologies - Multidisciplinary University Research Initiative

## OTHER ACRONYMS

<b>ACE4S</b>	ATIC-SRC Center of Excellence for Energy Efficient Electronics Systems
<b>CONACyT</b>	Consejo Nacional de Ciencia y Tecnología (Mexico)
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>IHP Germany</b>	Innovations for High Performance Microelectronics Germany
<b>ISSCC</b>	International Solid-State Circuits Conference (IEEE)
<b>LEAST</b>	SRC STARnet Center for Low Energy Systems Technology
<b>MASDAR</b>	Masdar Institute of Science and Technology
<b>NSRC</b>	Natural Sciences and Engineering Research Council (Canada)
<b>NTU</b>	Nanyang Technological University
<b>NUS</b>	National University of Singapore
<b>NYSCF</b>	The New York Stem Cell Foundation
<b>SRC</b>	Semiconductor Research Corporation
↑ <b>LEAST</b>	SRC STARnet Center for Low Energy Systems Technology
↑ <b>MARCO</b>	Microelectronics Advanced Research Corporation
<b>TSMC</b>	Taiwan Semiconductor Manufacturing Company

