

LIST OF ABBREVIATIONS

Abbreviation	Details
2D	Two Dimensional
3D	Three Dimensional
GU	Gate-Underlap
SCEs	Short Channel Effects
DG	Double Gate
GAA	Gate All Around
FinFET	Fin Field Effect Transistor
MOS	Metal Oxide Semiconductor
MOSFET	Metal Oxide Semiconductor Field Effect Transistor
RingFET	Ring Gate Field Effect Transistor
SOI	Silicon-on-Insulator
FD	Fully Depleted
PD	Partly Depleted
IC	Integrated Circuit
IGFET	Insulated Gate Field Effect Transistor
HCEs	Hot Carrier Effects
GIDL	Gate Induced Drain Lowering
SHEs	Self Heating Effects
SS	Subthreshold Swing
TMG	Triple Material Gate
DG	Dual Material Gate
S/D	Source/Drain

UTB	Ultra Thin Body
RSD	Raised Source/Drain
ESD	Elevated Source/Drain
DIBL	Drain Induced Barrier Lowering
nm	Nanometer
V	Voltage
eV	Electron Volt
mA	Milli Ampere
nA	Nano Ampere