## LIST OF ABBREVIATIONS

1. **VLSI**  
   VERY LARGE SCALE INTEGRATION
2. **CMOS**  
   COMPLEMENTARY METAL OXIDE SEMICONDUCTOR
3. **MOSFET**  
   METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR
4. **FGMOS**  
   FLOATING-GATE METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR
5. **EPROM**  
   ERASABLE PROGRAMMABLE READ ONLY MEMORY
6. **EEPROM**  
   ELECTRICALLY ERASABLE PROGRAMMABLE READ ONLY MEMORY
7. **UV LIGHT**  
   ULTRA VIOLET LIGHT
8. **THD**  
   TOTAL HARMONIC DISTORTION
9. **JFET**  
   JUNCTION FIELD EFFECT TRANSISTOR
10. **FGVCGR**  
    FGMOS BASED VOLTAGE-CONTROLLED GROUNDED RESISTOR
11. **FGVCR**  
    FGMOS BASED VOLTAGE-CONTROLLED RESISTOR
12. **TD FGTGR**  
    THRESHOLD-DEPENDENT FGMOS BASED TUNABLE GROUNDED RESISTOR
13. **TI FGTGR**  
    THRESHOLD-INDEPENDENT FGMOS BASED TUNABLE GROUNDED RESISTOR
14. **FGTFR**  
    FGMOS BASED TUNABLE FLOATING RESISTOR
15. **I-V**  
    CURRENT-VOLTAGE CHARACTERISTICS
16. **SPICE**  
    SIMULATION PROGRAM WITH INTEGRATED CIRCUIT EMPHASIS
17. **OTA**  
    OPERATIONAL TRANSCONDUCTANCE AMPLIFIER