19th International Symposium on VLSI Design and Test
Institute of Technology, Nirma University, Ahmedabad, India
June 26-29, 2015,
www.vdat2015.org

Call for Papers – VDAT 2015

VLSI Design and Test Symposium (VDAT 2015) is nineteenth in the series of symposia which started in 1997. The idea behind VDAT Symposium is to promote R&D on all aspects of VLSI to act as a forum for free discussion on emerging topics of VLSI and related fields for academicians and professionals from India and abroad. This year VDAT 2015 is being organized in technical collaboration with IEEE Computer Society and tttc (Test Technology Technical Council)

Topics of Interest:

**VLSI Design:** Analog and RF mixed signal design; Design and modeling of digital circuits and systems; FPGA prototyping of algorithms; Synthesis; Optoelectronic devices and circuits; MEMS, Deep Submicron and Nanometer devices and circuits; Power analysis and low-power design; Thermal analysis and temperature aware design; Physical design, packaging and board design; CAD for Design and Technology; High performance computing; System-on-chip designs; Networks-on-chip Design.

**Testing and Verification:** Design for testability; Test generation and fault simulation; Built-in self-test; Verification (simulation and formal); Design for manufacturability and yield analysis; Testing memories and regular logic arrays.

**Embedded Systems:** Hardware/software co-design and verification; Audio, Image and Video processing; Reconfigurable systems; Applications in communications, Encryption, Security, Compression, etc.; Embedded software tools; FPGA prototyping of complete systems; CAD for embedded systems.

**Emerging Technology:** Nanoscale computing and nanotechnology; Reversible computation; Nano-Electro-Mechanical Systems (NEMS); CAD research in the areas of emerging technology and emerging systems.

**Deadlines:**

- **Paper Submission:** January 31, 2015
- **Notification of Acceptance for Papers:** April 15, 2015
- **Camera Ready Paper Submission:** April 30, 2015
- **VDAT 2015:** June 26-29, 2015