

C-Based VLSI Design: Synthesis, Optimization and Verification - Schedule

Venue: Seminar Room, Department of Computer Science and Engineering, IIT Guwahati

Dates: 1-5 April, 2019

	9:00-10:30	11-12:30	14:00-15:30	15:45-17:15
Day 1 01/04/2019	Electronic Design Automation: An overview Dr. Chandan Karfa, IIT Guwahati	C-Based VLSI Design: HLS flow Dr. Chandan Karfa, IIT Guwahati	Scheduling Techniques Dr. Arnab Sarkar, IIT Guwahati	Resource sharing and Binding Techniques, Data-path and Controller Synthesis Dr. Arnab Sarkar, IIT Guwahati
Day 2 02/04/2019	C-Coding for efficient Hardware Generation Dr. Chandan Karfa, IIT Guwahati	HLS for Reliability Dr. Arnab Sarkar, IIT Guwahati	Model Checking Basic Prof. J. K. Deka, IIT Guwahati	Lab Session on HLS Dr. Chandan Karfa, IIT Guwahati
Day 3 03/04/2019	Compiler Optimizations in HLS Dr. Chandan Karfa, IIT Guwahati	HLS for Security Dr. Chandan Karfa, IIT Guwahati	Large Scale Model Checking Dr. Ansuman Banerjee, ISI Kolkata	Lab Sessions on HLS Dr. Chandan Karfa, IIT Guwahati
Day 4 04/04/2019	Solvers in Model Checking Dr. Ansuman Banerjee, ISI Kolkata	Advanced Concepts in Hardware Verification Dr. Ansuman Banerjee, ISI Kolkata	HLS Verification using Equivalence Checking Dr. Chandan Karfa, IIT Guwahati	Lab Session on HLS Verification Dr. Ansuman Banerjee, ISI Kolkata
Day 5 05/04/2019	RTL Optimizations Dr. Chandan Karfa, IIT Guwahati	Pedagogy Session Dr. John Jose, IIT Guwahati	Research in CSE Hardware Group @IIT Guwahati Dr. John Jose, IIT Guwahati	Induction Session Prof. S. Khijwania, Head, CET IIT Guwahati

Registration: 8:30AM-9AM, 01/04/2019, Venue: Seminar Room, Department of Computer Science and Engg. IIT Guwahati

Inauguration: 9:00AM-9:30AM, 01/04/2019, Venue: Seminar Room, Department of Computer Science and Engg. IIT Guwahati

Valedictory Ceremony: 17:00-17:30PM, 05/04/2019, Venue: Seminar Room, Department of Computer Science and Engg. IIT Guwahati

Tea Break: 10:30-11:00, Lunch Break: 12:30-14:00, Tea Break: 15:30-15:45.

Note: The regular sessions on Day 1 and Day 5 will be shifted accordingly to accommodate Induration and valedictory ceremonies.