

GMU ECE 645—Computer Arithmetic Spring 2008 Project Presentations

Tuesday, April 29, 2008, 7:20 pm – 10:30 pm
Innovation Hall, Room 207

NOTE: Each session will count as one seminar credit (unless you are a presenter in the session).

SESSION 1—GROUP PROJECTS (1)

- 7:20 - 7:50 Trial Division Sieve
Pratik Tambe, Shaunak Shah, Keerat Brar
- 7:50 - 8:20 Elliptic Curve Method of Factoring
Panasayya Yalla, Rajesh Velegalati, Jimmy Dharia

SESSION 2—GROUP PROJECTS (2)

- 8:25 - 8:55 RSA Encryption and Decryption with Montgomery Multipliers
Greg Zumbrook, Ahmad Salman, Vasunandan Peddi
- 8:55 - 9:25 Iterative and Pipeline CORDIC Processors
Xung Nham, Josh Anderson, Behjat Zia

SESSION 3—INDIVIDUAL PROJECTS

- 9:30 - 9:45 Parallel FIR Filter Architectures
Mark Adam
- 9:45 - 10:00 Direct Digital Frequency Synthesis—Nicholas Architecture
Mark Chaney
- 10:00 - 10:15 Direct Digital Frequency Synthesis—Bellaouar Architecture
Arvind Bhat
- 10:15 - 10:30 Direct Digital Frequency Synthesis—Madisetti Architecture
Brent Roeder