EECS 298: Embedded Software Synthesis Lecture 10

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Lecture 10: Overview

- Course Administration
  - Final course evaluation
- Project Status and Progress
- Presentations
  - Hands-on Experience with Embedded Software
  - Embedded Software Synthesis using SpecC
- Project Issues
  - Individual discussion

Course Administration

- Final Course Evaluation
  - 8th through 10th week
  - Nov. 17, 2004, 8am through Dec. 5, 2004, 11:59pm
  - Online via EEE Evaluation application
- Feedback from students to instructors
  - Completely voluntary
  - Completely anonymous
  - Very valuable
- Help to improve this class!
  - Currently only 9 out of 20 respondents
  - Only 2 more days left to respond

Project Status and Progress

			Schedule
•	Option 1: Hands-on Experience with Embedded Software		
–	CJC:	Mobile IP (embedded Linux) on wireless access point	Final wk.
–	CBH:	Port PalmOS application to WindowsCE	TBD
–	SYC+CWS:	Traffic light controller on Xilinx board	Week 10
–	QKN + RL:	Temperature sensor on flash microcontroller	Final wk.
–	ML + HL:	Instant messenger application on mobile phone	TBD
–	KLN:	Snake game (Java) on mobile phone	Week 10
–	SI:	Real-time UML/Java appl. wallet PDA, cash register PC	Week 10
•	Option 2: Literature Research		
–	HEC:	RTOS survey	Week 6
–	KDS:	Target processor survey	Week 7
–	GK:	Power management for embedded applications	Week 7
–	EKS:	Code generation for embedded processors	Week 8
•	Option 3: Embedded Software Synthesis using SpecC		
–	JHB:	Reed-Solomon decoder	Week 10
–	AG:	Digital camera	Week 9
–	TWH:	Tic-tac-toe game	Week 9
–	GS:	Wireless sensor node measuring motion	Week 10
–	ISG:	Elevator controller	Week 10
–	HCL:	Algorithm evaluation for fair packet scheduling	Final wk.

Project Presentations

- Hands-on Experience with Embedded Software
  - Traffic light controller on Xilinx board (Shih-Yang Cheng, Chia-Wei Su)
  - Snake game (Java) on mobile phone (Kar Lun Ng)
  - Real-time UML/Java appl., wallet, cash register (Sumiyasu Ikeda)
- Embedded Software Synthesis using SpecC
  - Reed-Solomon decoder (Jun Ho Bahn)
  - Wireless sensor node measuring motion (Gautam Sachdeva)
  - Elevator controller (Ishvarjit Singh Garewal)