

Workshop on Streaming Systems

Endicott House, Dedham, MA

August 8 – 9, 2003

Motivation

- Many communities dealing with streams
 - Computer architecture
 - Programming Languages
 - Networking
 - Databases
 - Graphics
 - Digital Signal Processing
- Each has developed a different perspective on streams
- Goal of bringing them together and...
 - understand their perspectives
 - learn from their experiences and insights
 - identify possible synergies and collaborations

Friday, August 22

- 12:00 p.m. -- 1:30 p.m. **Lunch**
- 1:30 p.m. -- 3:45 p.m. **Session 1: Architecture**
 - 1:30 - 1:35 Welcome Saman Amarasinghe, *MIT* and Steve Keckler, *UT Austin*
 - 1:35 - 2:05 Talk Mark Horowitz, *Stanford University*
 - 2:05 - 2:20 Talk Steve Scott, *Cray Inc.*
 - 2:20 - 2:35 Talk Bill Dally, *Stanford University*
 - 2:35 - 2:50 Talk Steve Keckler, *UT Austin*
 - 2:50 - 3:05 Talk Christos Kozyrakis, *Stanford University*
 - 3:05 - 3:45 Discussion
- 3:45 p.m. -- 4:15 p.m. **Break**
- 4:15 p.m. -- 6:15 p.m. **Session 2: Languages and Compilers**
 - 4:15 - 4:45 Talk Saman Amarasinghe, *MIT*
 - 4:45 - 5:00 Talk Kath Knobe, *HP Labs*
 - 5:00 - 5:15 Talk Vivek Sarkar, *IBM Research*
 - 5:15 - 5:30 Talk Bill Mark, *UT Austin*
 - 5:30 - 5:45 Talk Peter Mattson, Rich Lethin, *Reservoir Labs*
 - 5:45 - 6:15 Discussion
- 6:30 p.m. -- 7:30 p.m. **Reception**
- 7:30 p.m. -- 8:30 p.m. **Dinner**

Saturday, August 23 Morning

- 8:00 a.m. -- 8:30 a.m. **Breakfast**
- 8:30 a.m. -- 10:15 a.m. **Session 3: Tools**
 - 8:30 - 9:00 Talk Edward Lee, *UC Berkeley*
 - 9:00 - 9:15 Talk Shuvra Bhattacharyya, *University of Maryland*
 - 9:15 - 9:30 Talk André Dehon, *Caltech*
 - 9:30 - 9:45 Talk Arvind, *MIT*
 - 9:45 - 10:15 Discussion
- 10:15 a.m. -- 10:30 a.m. **Break**
- 10:30 a.m. -- 12:00 p.m. **Session 4: Multimedia Applications**
 - 10:30 -11:00 Talk Bill Mark, *UT Austin*
 - 11:00 - 11:15 Talk Jason Nieh, *Columbia University*
 - 11:15 - 11:30 Talk Fredo Durand, *MIT*
 - 11:30 - 12:00 Discussion
- 12:00 p.m. -- 1:30 p.m. **Lunch**

Saturday, August 23 Afternoon

- 1:30 p.m. -- 3:00 p.m. **Session 5: DSP Applications**
 - 1:30 - 2:00 Talk Alan Oppenheim, *MIT*
 - 2:00 - 2:15 Talk Robert Bond, *MIT Lincoln Laboratory*
 - 2:15 - 2:30 Talk John Chapin, *Vanu, Inc.*
 - 2:30 - 3:00 Discussion
- 3:00 p.m. -- 3:30 p.m. **Break**
- 3:30 p.m. -- 5:00 p.m. **Brainstorming session**

List of Participants

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Lets have some fun!



- **Today:** A few isolated thunderstorms developing this afternoon under partly cloudy skies. Isolated severe weather is possible. High 93F. Chance of rain 30%.
- **Tonight:** Variable clouds with showers at times, and perhaps a rumble or two of thunder, especially this evening. Low 62F. Chance of rain 50%.
- **Tomorrow:** Generally sunny. High 78F.