

## TRANSCRIPTION OF AUDIO

Ex. 4321, Excerpts of CompuSonics Lecture



Stanford EE 380, 1987

Ex. 4321 – CompuSonics Partial Lecture Part 1

1 Dennis: I hope you guys know which microphone you gotta pick up because I don't.  
2 This one I guess goes to you. We'll see. Good afternoon, welcome to 380.  
3 Just a quick reminder. As the book goes around, those of you who are  
4 enrolled in the class, please sign it. And you might pick up the missing slots  
5 that you have not signed for in the past, annotating them appropriately. Our  
6 speaker for next week will be Tom Blank. He's gonna speak on incremental  
7 CAD techniques for system design. That turn . . .

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1 Dennis: . . . out to be a euphemism for three things that he thinks are very interesting,  
2 and it promises to be a fairly exciting talk. For those of you who are keeping  
3 track, the Sun Microsystems talk scheduled for March 11<sup>th</sup> has been cancelled  
4 and we will have a new speaker for you. There are actually two possible  
5 speakers, one of whom is as yet uncommitted. But if it can be worked out, it  
6 will cover a particularly interesting area of the law and software at the  
7 moment. Our speaker for today is David Schwartz and John Stautner.  
8 They're from CompuSonics, a start-up company here in Palo Alto. They're  
9 going to speak on multi-processor computers for digital audio and video  
10 recording . . .

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Ex. 4321 – CompuSonics Partial Lecture Part 3

1 Dennis: . . . editing. It's a masterful sound and light show, I think, and I'll introduce  
2 Dave and he can take care of the remaining introductions and the rest of the  
3 afternoon.

4 David Schwartz: Thank you, Dennis.

5 Dennis: Please remind people to pull their microphones out if they're gonna answer  
6 questions.

7 [UI – simultaneous conversation]

8 David Schwartz: . . . chairs.

9 Dennis: Everyone has a microphone, I think.

10 David Schwartz: Okay. And I can stand over here and grab the slide pointer. We're gonna go  
11 straight to slides. The talk, we changed the title of the talk, of course, without  
12 telling Dennis. It's now Inside the DSP 1000 Audio Computer. John Stautner  
13 is heading up the video project . . .

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1 David Schwartz: . . . but we felt that trying to do two talks in one session, both audio and video,  
2 would just get to be too much. So we'll cover audio and, if you're still  
3 interested, we can be invited back and get more into the video processors.  
4 This is the machine we're going to talk about today. It's the DSP 1000.

5

6 [Audio and video advance to later point in lecture]

7

8 David Schwartz: . . . want to come back and start digging into this or that, we'll be glad to put it  
9 back up and dig into it. The software structure in general, here's RT-DOES,  
10 the real-time disc operating and editing system, is the overall structure that  
11 handles all of the commands of the user. ACL stands for Audio Control  
12 Language. This is an internal language . . .

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