

Nancy Cooke – okay I have a piece but a varied view, but first of all I'm really honored to be on this panel, I'm not sure why I'm here I think my hair is the wrong color. I thought I'd give you just a little background of where I've been in my research career because I think that'll be pertinent to some of the discussion later and also maybe give you a feel for why I selected the readings that I selected. In my current research my objective is to understand and measure cognitive processing in complex socio technical systems in order to improve human performance collaboration and ultimately system effectiveness and these are just a list of some of the areas that I've been working within to try to accomplish this objective, mostly unmanned aerial vehicle systems and military command and control. The impact of this particular research program I think is several fold, we have developed some technology for automating communication analysis and thereby increasing the ability to monitor team and system performance. We've, in my research group not just me alone have drawn attention to human factors issues in unmanned aerial systems as evidenced in some recent reports and meetings and have identified team training strategies for building resilient teams, read the other ones for yourself. And in the reading list that I think has been passed out I've recommended some readings and these are more, I wasn't sure how to go about selecting from all of the literature out there the five or ten best things to read and so what I did was sort of base it on my imprinting from graduate school and in graduate school I took a, I was really a PhD in cognitive psychology so I imprinted on my first information processing book by Lachman, Lachman and Butterfield and that's why that's there and then several others that kind of parallel my development and my research path including books on, book on mental models by Gentner and Stevens, the protocol analysis book by Ericsson and Simon, book on the Nature of Expertise by Micki Chi and then others, Norman's *Psychology of Everyday Things*, these are all books largely from graduate school that inspired me, so that's why I put them on the list. More recently *Set Phasers on Stun*, *Cognition in the Wild*, and Frank Durso's, two edited volumes now on *Handbook of Applied Cognition*. And I thought I'd be remiss and didn't want to mention books I had done, but these are really books that are, works that I have edited and I've been working really hard over the last year, because it's the fiftieth anniversary of our journal, to pull together all of the classics in our field and so I thought I'd be remiss not to mention these things kind of over here, like this but you might want to be aware of these. Our last, in the summer we produced a special issue of the journal, golden anniversary issue of human factors where we solicited authors to write papers on discovery and developments in various areas of the field and they're very short papers, you can read the whole thing pretty quickly and the best part is it's completely open access. Anybody can get this online for free and so give it to all your friends, pass the link around, it really is a way to communicate to the field what human factors is and what we do and here's something else that just came out this week. It's a book that was edited by me and Edwardo Salas *The Best of Human Factors* and we spent a lot of time going through the journal articles that have ever been published in the fifty year history of *Human Factors* looking for the best articles in terms of the ones that were highly cited, ones that won Eli awards and ones that representative members of our community recommended and so they're all reprinted in here, so if you're looking for something to read I suggest reading these things. Okay, I also, in that book you'll see some analysis of the content and how the content of *Human Factors* has changed over five decades. Largely we've seen changes

in the types of applications that people are writing about or doing research on and ah, main changes an increase in aging papers and computer systems papers, surface transportation papers. Lots of papers on driving and driving distraction lately. There's also some, this is another advertisement for the book I guess, but we did some tag files which is basically most frequently occurring terms in the titles over the first ten years versus the last ten years of publication, you know they're just kind of interesting to see, we don't have a computer systems in the first ten years, but we do in the last ten years. Okay and then, one thing, wanted to surprise you with this next one that Chris did not ask us to pick, the funniest journal article or book that we had ever come across, but I decided to do it anyway and what I selected, and many of you have probably seen this was the funniest figure ever published in a journal and have you seen this work by Biederman and Shiffrar on sexing day old chicks? That was when I was learning about expertise. 'Sexing Day-Old Chicks: A Case Study and Expert Systems Analysis of a Difficult Perceptual-Learning Task.'

http://geon.usc.edu/~biederman/publications/Biederman_Shiffrar_1987.pdf) This was about how to sex chicks and this was the actual figure that appeared in the *Journal of Experimental Psychology: Learning, Memory and Cognition* and I love the fact that they tried to protect the identity of the chick (laughter). That's my vote. Thank you.