	Basic Interaction Design 05-650	M / W 1:30 – 4:30 pm GHC 4301	Eric Paulos, Assistant Professor [eric@paulos.net] office 3612 Newell-Simon Hall
		T / Th 9:00 – 12:00 am GHC 4301	Haakon Faste, Visiting Assitant Professor [hfaste@cs.cmu.edu>] office 3527 Newell-Simon Hall
A0: DESIGN MATRIX		One of the most common challenges of interaction design is overcoming the "killer-application" hurdle. That is, waiting until you are convinced you have the absolute perfect idea before introducing it to your colleagues. Opening yourself up to entertaining a wide and fanciful range of ideas early on in the design process can reap great rewards. However, you must also be able to rapidly think through and formulate a way of expressing such ideas to others so they can be understood, incorporated, or discarded. This exercise is designed to encourage rapid brainstorming of both good and bad ideas with multiple partners. It also helps rapidly explore a wide range of intersecting possibilities	
BUILD 10 X 10 MATRIX We will che brainstorm is depende jackets, bo recorded c a large wa 10 control: include kn shake, etc. across the object-cor of these ol For examp scraper?		We will choose two axe brainstorm a list of 10 o is dependent on the pa- jackets, boots, snow pl recorded onto 10 shee a large wall (typically a 10 controls or techniqu include knobs, buttons shake, etc. These 10 cc across the top of the m object-control ideas. W of these object-contro For example, a voice cc scraper?	es for our design matrix. In our case we will quickly objects associated with snow and cold weather. This articipants but examples may include items such as ow, ice scraper, snow shovel, skis, etc. These are ts of paper and placed down the left hand column of ttached via pins or magnets). Next we brainstorm out ues for controlling a signal. Again typical examples s, dials, sliders, voice, pressure, temperature, squeeze, ontrols are written onto 10 sheets of paper and placed natrix. The result is a matrix of 100 distinct potential What might come out of brainstorming the intersection ls? A wealth of ideas from the pertinent to the absurd. ontrol for a snow shovel or a shake control for an ice
S	PEED RESEARCHING	In the spirit of Speed D Speed Researching inv 10 minute intervals to diverse interpretations pressure on the brains rapid open stream of c usefulness, or quality.	Dating we introduced the concept of Speed Researching. volves successive and rapid pairing of researchers for collaboratively research a specific topic while inviting and design explorations. With time an overriding torm, results of any kind are only reached through conscious thoughts regardless of appropriateness,
		With the participants a pair is first challenged brainstorm. After 30 set the matrix entry card t the group rapidly disus and sketches out the re 10 minute interval the Matrix and research pa position. As the cycle of seconds to pick another go for something new single column or row)? partners? Typically afte examined.	ligned in two rows facing each other, each research to select an empty entry in the Design Matrix to econds one of the pairs goes to the board and removes hey have chosen to design. For the next 10 minutes ses the selected intersecting object-control concept esulting ideas on the provided card. At the end of the completed idea card is placed back into the Design artners along one side of the table slide down one continues, each new pair again is faced with the 30 er intersection to respond to. Do individuals attempt to or a continuation of an area of interest (i.e. stay along a ^P How do individuals negotiate the constantly shifting er 5-6 rounds the cycle is halted and the Design Matrix