Dr. Chen questions:

1. What are the benefits of using human-supervised autonomous systems in a military environment?
2. What is the current status of research on Human-autonomy teaming in the military?
3. How could autonomous systems be integrated into the armed forces, ensuring that legal aspects are adhered to?
4. Why it is so important that cognitive load be research for human-autonomy teaming?
5. If any of the research being conducted on human-autonomy teaming use scenarios where targeting and weapons release being use?
6. What is the state of AI inclusion into drone’s architecture?
7. Situational awareness-based Agent Transparency (SAT)
   1. Level 1 – the agent communicates its status, goals, and understanding of the current environmental conditions (perceptions).
   2. Level 2 – the agent communicates its reasoning for executing or recommending specific actions (comprehension).
   3. Level 3 – the agent communicates its expectations of future states (e.g., likelihood of mission success; projection)
   4. This some of the cognitive load research that you were involve took account into some of other research (e.g. the aptitude of gamers vs. no gamers).

We met with Dr. Chen at I/ITSEC for a brief talk. We were not able to sit down and do a proper interview. She however was able to five some direction on the topic of human-autonomy teaming. Dr. Chen has a number of papers published on the subject of human-autonomy teaming. She commented on her paper 2017 Effect of Agent transparency and communication framing on human-Agent teaming. She also recommended Human factor Journal Robo Leader. Dr. Chen talked about re-doing a lot of the test in human factors to human autonomy teaming because of the difference in paradigm and the previous test results may not be valid.

Dr. Jessie Y.C. Chen, a senior research psychologist at the U.S. Army Research Laboratory, Human Research and Engineering Directorate in Orlando, Florida, was appointed to be an associate editor of the IEEE Robotics and Automation. During I/ITSEC we found out she is no longer in Orlando.