ATLAS Lab & SONIC Research Group Presentations at NASA IWS
Galveston, TX, January 22-25 2018

January 23, Tuesday: Poster Session B at 5:00 pm, Exhibit Hall A

Session: Human Factors and Behavioral Performance


Niler A., DeChurch L., Mesmer-Magnus J., & Contractor N. Working in and out of teams through space and time [#18311].

Bell S., Vinokhodova A., Gushin V., Contractor N., DeChurch L., Outland N., Vazquez M., & Burns T. Toward a process model of interpersonal relationship formation in ICE [#18312].

Gokhman I., Plummer G., DeChurch L., Vazquez M., Bell S., & Contractor N. Development and validation of an information sharing assessment tool for space crews [#18313].

Plummer G., DeChurch L., Contractor N., Johnson J., & Mesmer-Magnus J. Shared mental models over time [#18328].

Johnson J., Zurek M., Contractor N., & DeChurch L. Team dynamics in spaceflight analogs [#18331].

Twyman M., Lungeanu A., DeChurch L., & Contractor N. The emergence and development of crew shared mental models: An agent-based model [#18335].

Tanaka K., Witz C., Niler A., DeChurch L., & Contractor N. Social network acuity among space crews and MCCs [#18336].

Gokhman I., Larson L., DeChurch L., Bell, S., & Contractor, N. Tracking crew performance over time [#18338].

DeChurch L., Park P., Lungeanu A., Twyman M., & Contractor N. CREST: Crew Recommender for Effectively Switching Tasks [#18339].


Burns T., Antone W., Weiss J., Larson L., Bell S., & DeChurch L. Identity in isolation: How teams bond or break [#18341].

Antone W., Lungeanu A., Gibson Z., DeChurch L., Bell S., & Contractor N. Team dynamics: Using simulation as a tool to develop theory [#18346].

January 24, Wednesday: Talk at 2:00 pm, Galleon Ballroom

Session: Crew Composition, Teamwork and Mission Duration: Tracking Performance

Vazquez M., Outland N., Vinokhodova A., Gushin V., Bell S., DeChurch L., & Contractor N. Examining interpersonal compatibility using configurations of conditions for tie formation across two samples.