

CLAIMS:

1. An interactive wearable device system, comprising:
 - a display configured to face outwardly from a wearer of the interactive wearable device system;
 - a location identification system configured to determine user location data related to the wearer and a separate individual; and
 - an automation controller communicatively coupled to the display and the location identification system, wherein the automation controller is configured to:
 - receive the user location data provided by the location identification system;
 - determine a distance between the wearer and the separate individual based on the user location data; and
 - based on comparing the distance to a threshold distance, instruct the display to display a first image based on the distance being greater than the threshold distance and instruct the display to display a second image different than the first image based on the distance being less than the threshold distance.
2. The system of claim 1, wherein the first image is configured to indicate to the separate individual that the distance satisfies at least one criterion, and the second image is configured to indicate to the separate individual that the distance does not satisfy the at least one criterion.
3. The system of claim 1, wherein the location identification system is configured to determine the user location data based on data from a sensor of the interactive wearable device system configured to detect the separate individual or another wearable device.
4. The system of claim 3, wherein the sensor comprises a LiDAR sensor.
5. The system of claim 1, wherein the location identification system is configured to determine the user location data based on comparing location data for the wearer with location information for the separate individual.
6. The system of claim 1, wherein the location identification system is configured to identify an exposed body part of the wearer as part of the user location data.

7. The system of claim 6, wherein:
the automation controller is configured to compare identification of the exposed body part to a safety equipment criterion.
8. The system of claim 1, wherein the location identification system is configured to determine the user location data as including a location of a portion of the separate individual.
9. The system of claim 1, wherein the location identification system comprises a camera configured to capture an image of the separate individual, and wherein the location identification system is configured to determine an orientation of the separate individual based on the image.
10. A wearable device, comprising:
a support configured to be secured to a wearer;
a display coupled to the support and configured to face outwardly from the wearer;
a location identification system configured to determine user location data corresponding to the wearer and a separate individual; and
an automation controller communicatively coupled to the display and the location identification system, wherein the automation controller is configured to:
receive the user location data provided by the location identification system;
determine a distance between the wearer and the separate individual based on the user location data; and
based on results of comparing the distance to a threshold distance, instruct the display to display an image based on the distance being greater than the threshold distance and instruct the display to turn off based on the distance being less than the threshold distance.
11. The wearable device of claim 10, wherein the automation controller is configured to, based on the distance being greater than a second threshold distance, instruct the display to display an additional image different than the image.
12. The wearable device of claim 10, wherein the location identification system is configured to identify an exposed body part of the separate individual.

13. The wearable device of claim 12, wherein the automation controller is configured to determine whether the exposed body part satisfies a safety equipment criterion.
14. The wearable device of claim 10, wherein the location identification system comprises a GPS.
15. The wearable device of claim 10, wherein the location identification system is configured to determine the distance between the wearer and the separate individual based on data from a sensor of the wearable device configured to detect the separate individual or another wearable device.
16. An interactive wearable device system, comprising:
 - a first wearable device, comprising:
 - a signal device configured to generate a signal;
 - a second wearable device, comprising:
 - a display arranged to face away from a wearer of the second wearable device to facilitate viewing by a separate individual;
 - a location identification system configured to receive the signal and generate user location data based on the signal; and
 - an automation controller communicatively coupled to the display and the location identification system, wherein the automation controller is configured to:
 - receive the user location data provided by the location identification system;
 - compare the user location data to at least one criteria of a set of criteria; and
 - control operation of the display based on results of comparing the user location data with the at least one criteria.
17. The system of claim 16, wherein the signal device comprises a radio frequency identification (RFID) tag and the location identification system comprises an RFID detector configured to receive the signal.
18. The system of claim 16, wherein the first wearable device and the second wearable device comprise face masks.

19. The system of claim 16, wherein the automation controller is configured to turn off the display based on the results.
20. The system of claim 16, wherein the automation controller is configured to instruct the display to display an image based on the results.