CLAIMS:

1. A ride vehicle for an amusement park, comprising:

a restraint system, comprising:

a first conformable component configured to be disposed over a lower body portion of a guest;

a behind-the-knee component configured to be disposed behind a leg of the guest, wherein the first conformable component and the behind-the-knee component are configured to stay in contact with the guest during operation of the restraint system;

a sensor configured to transmit a signal representative of a pressure applied by the first conformable component to the lower body portion of the guest or by the behind-the-knee component to the guest, to a control system; and

a linkage mechanism, wherein the control system is configured to control the linkage mechanism to move the first conformable component, the behind-the-knee component, or a combination thereof in response to the signal, to secure the restraint system to the guest.

2. The ride vehicle of claim 1, wherein the first conformable component comprises a thigh portion, a knee portion, a shin portion, or a combination thereof.

3. The ride vehicle of claim 1, wherein the restraint system comprises a second conformable component configured to be disposed over another lower body portion of the guest.

4. The ride vehicle of claim 1, wherein the control system is configured to control the linkage mechanism to move the first conformable component, the behind-the-knee component, or the combination thereof to a desired position, wherein the desired position is achieved when a desired pressure is reached between the first conformable component and the guest, between the behind-the-knee component and the guest, or a combination thereof.

5. The ride vehicle of claim 4, wherein the restraint system comprises an actuator configured to move the first conformable component, the behind-the-knee component, or the combination thereof, and wherein the control system is configured to actuate the actuator based on the signal.

6. The system of claim 1, wherein the restraint system comprises a handle configured to be manually actuated by the guest to open the restraint system, to close the restraint system, or a combination thereof.

7. The system of claim 6, wherein the handle is disposed on the first conformable component.

8. The system of claim 7, wherein the first conformable component is mechanically coupled to the behind-the-knee component via the linkage mechanism so that moving the first conformable component also moves the behind-the-knee component when the handle is actuated.

9. The system of claim 1, wherein the first conformable component comprises a shape suitable to be disposed over a knee area of the guest.

10. The system of claim 1, comprising a second conformable component configured to be disposed over another lower body portion of the guest and wherein the linkage mechanism is configured to move the first conformable component, the behind-the-knee component, the second conformable component, or a combination thereof, to secure the restraint system to the guest.

11. A method, comprising:

receiving a first pressure signal and a second pressure signal from one or more sensors, wherein the one or more sensors are coupled to a first conformable component and a behind-the-knee component;

actuating the first conformable component included in a restraint system of a ride vehicle for an amusement park, wherein the first conformable component is configured to be disposed over a lower body portion of a guest, and wherein the first conformable component is actuated to a first particular position based in part on the first pressure signal received from the one or more sensors; and

actuating the behind-the-knee component included in the restraint system, wherein the behind-the-knee component is configured to be disposed behind a leg of the guest, wherein the behind-the-knee component is actuated to a second particular position based in part on the second pressure signal received from the one or more sensors.

12. The method of claim 11 wherein actuating the first conformable component, the behind-the-knee component, or a combination thereof, comprises controlling the restraint system via a control system, via a manual device, or a combination thereof.

13. The method of claim 12, wherein the manual device comprises a handle disposed on the first conformable component.

14. The method of claim 11, comprising actuating a second conformable component of the restraint, wherein the second conformable component is configured to be disposed over another lower body portion of the guest.

15. A restraint system of an amusement park ride, comprising:

a first conformable component configured to be disposed over a lower body portion of a guest;

a behind-the-knee component configured to be disposed behind a leg of the guest, wherein the first conformable component and the behind-the-knee component are configured to stay in contact with the guest during operation of the restraint system;

a sensor configured to transmit a signal representative of a pressure applied by the first conformable component to the guest or by the behind-the-knee component to the guest, or both, to a control system; and

a linkage mechanism, wherein the control system is configured to control the linkage mechanism to move the first conformable component, the behind-the-knee component, or a combination thereof in response to the signal, to secure the restraint system to the guest.

16. The system of claim 15, wherein the control system is configured to control the linkage mechanism to move the first conformable component, the behind-the-knee component, or the combination thereof to a particular position, wherein the particular position is based on the applied pressure by the first conformable component or by the behind-the-knee component, or a combination thereof.

17. The system of claim 16, comprising an actuator configured to move the first conformable component, the behind-the-knee component, or the combination thereof, and wherein the control system is configured to actuate the actuator based on the signal.

18. The system of claim 15, comprising a handle configured to be manually actuated by the guest to open the restraint system, to close the restraint system, or a combination thereof.

19. The system of claim 15, comprising a second conformable component configured to be disposed over another lower body portion of the guest and wherein the linkage mechanism is configured to move the first conformable component, the behind-the-knee component, the second conformable component, or a combination thereof, to secure the restraint system to the guest.