CLAIMS:

1. A wireless power system, comprising:

a control system configured to output radio waves to an environment, and configured to store instructions that, when executed, cause the control system to output a control system signal; and

a plurality of guest devices positioned in the environment, wherein each guest device of the plurality of devices is configured to harvest energy from the radio waves, wherein the energy harvested from the radio waves is configured to power components of each respective guest device;

wherein a first guest device of the plurality of guest devices is configured to receive the control system signal, activate a first device indicator responsive to receiving the control system signal, and output a secondary signal responsive to receiving the control system signal; and wherein a second guest device of the plurality of guest devices is configured to receive the secondary signal, activate a second indicator of the second guest device based on the received secondary signal, and output a tertiary signal based at least in part on the received secondary signal.

2. The wireless power system of claim 1, wherein the second guest device is nonresponsive to the control system signal such that the second indicator is not activated in response to the control system signal.

3. The wireless power system of claim 2, wherein the first guest device is nonresponsive to the secondary signal and the tertiary signal such that the first indicator is not activated in response to the secondary signal or the tertiary signal.

4. The wireless power system of claim 1, wherein the first guest device switches from a first state to a second state in response to receiving the control system signal, and wherein the second guest device switches from the first state to the second state in response to receiving the secondary signal.

5. The wireless power system of claim 1, wherein the first guest device and the second

guest device of the plurality of guest devices each comprise a capacitor configured to store the harvested energy and configured to output the harvested energy to provide power to the components.

6. The wireless power system of claim 1, wherein the control system signal is an infrared signal.

7. The wireless power system of claim 6, wherein the first guest device of the plurality of guest devices comprises at least one electrically-switchable reflector configured to selectively reflect the infrared signal to a detector of the control system.

8. The wireless power system of claim 6, wherein the first guest device of the plurality of guest devices is configured to selectively filter the infrared signal to generate a filtered infrared signal and to reflect the filtered infrared signal to a detector of the control system.

9. The wireless power system of claim 6, wherein the first guest device of the plurality of guest devices comprises a reflective surface and an occluding device configured to selectively block one or more portions of the reflective surface to form a reflective pattern, the reflective pattern configured to reflect the infrared signal to a detector of the control system.

10. The wireless power system of claim 1, wherein each guest device of the plurality of guest devices comprises a communicator.

11. The wireless power system of claim 10, wherein the communicator is a medium range communicator.

12. The wireless power system of claim 10, wherein the communicator comprises an infrared light emitter.

13. A wireless power system, comprising:

a control system configured to output radio waves to an environment; and

a plurality of portable devices, wherein each portable device of the plurality of portables devices comprises an indicator and an energy harvesting device configured to receive the radio waves and convert energy from the radio waves to direct current voltage to provide power to the indicator; wherein a first device of the plurality of portable devices is configured to output a first device signal based at least in part on a state of the first device; and wherein a second device of the plurality of portable devices comprises a near field communicator configured to receive the first device signal and activate a second device indicator based at least in part on the received first device signal.

14. The wireless power system of claim 13, wherein the second device of the plurality of portable devices further comprises a medium range communicator.

15. The wireless power system of claim 13, wherein the state of the first device is a first state of a plurality of states, wherein the first device is configured to switch between the plurality of states, and wherein each state of the plurality of states is configured to transmit different information in the first device signal.

16. The wireless power system of claim 15, wherein the control system is configured to output a control system signal, and wherein the control system signal is configured to cause the first device to switch from the first state of the plurality of states to a second state of the plurality of states based on the control system signal.

17. The wireless power system of claim 13, wherein the first device of the plurality of portable devices comprises a sensor configured to sense the state of the first device.

18. The wireless power system of claim 17, wherein the sensor is a position sensor.

19. The wireless power system of claim 13, wherein the first device comprises a communicator configured to output the first device signal.

20. The wireless power system of claim 19, wherein the communicator comprises an optical communicator.

21. A wireless power system, comprising:

a control system configured to output radio waves to an environment; and

a wearable device comprising:

an energy harvesting device configured to receive the radio waves and to harvest energy from the received radio waves;

a processor;

a sensor configured to detect a state of the wearable device and output a state signal associated with the detected state of the wearable device to the processor, wherein the processor is configured to output a device control signal based on the received state signal; and

a communicator configured to receive the device control signal from the processor and to provide an output to the control system based on the state of the wearable device, wherein at least the processor, the sensor, or the communicator receive power via the energy harvested by the energy harvesting device.

22. The wireless power system of claim 21, wherein the communicator comprises at least a long range communicator or a near field communicator.

23. The wireless power system of claim 21, wherein the wearable device comprises a capacitor configured to store the energy harvested from the radio waves and configured to output the energy to power to the processor, the sensor, and the communicator.

24. The wireless power system of claim 21, wherein the wearable device does not comprise a battery.

25. The wireless power system of claim 21, wherein the control system is further configured to emit an infrared signal to the wearable device.

~~26. The wireless power system of claim 25, wherein the communicator comprises at least one electrically switchable reflector configured to selectively reflect the infrared signal to a detector of the control system, and wherein the electrically switchable reflector is switched based on instructions received via the device control signal from the processor.~~

~~27. The wireless power system of claim 25, wherein the communicator is configured to selectively filter the infrared signal to generate a filtered infrared signal and to reflect the filtered infrared signal to a detector of the control system.~~

~~28. The wireless power system of claim 25, wherein the communicator comprises a reflective surface and an occluding device configured to selectively block one or more portions of the reflective surface to form a reflective pattern configured to reflect the infrared signal to a detector of the control system.~~

~~29. The wireless power system of claim 25, wherein the communicator comprises infrared light emitting diodes configured to output the infrared signal to a detector of the control system.~~

~~30. The wireless power system of claim 21, wherein the wearable device further comprises an indicator configured to activate based on the device control signal from the processor to provide an indication of the state of the wearable device, wherein the indicator comprises uni-color light emitting diodes, multi-color light emitting diodes, an audio output device, or some combination thereof.~~

~~31. The wireless power system of claim 21, wherein the sensor comprises an accelerometer, a gyroscope, a position sensor, pressure sensor, optical sensor, acoustic sensor, an infrared sensor, or some combination thereof.~~

32. The wireless power system of claim 21, wherein the energy harvesting device, the processor, the sensor, and the communicator are all housed within a housing of the wearable device.

33. A method comprising:

receiving, via an energy harvesting device of a guest device, radio waves from a control system, wherein the energy harvesting device is configured to harvest energy from the radio waves;

detecting, via a sensor of the guest device, a state of the guest device;

outputting, via the sensor of the guest device, the state of the guest device to a processor of the guest device, wherein the processor is configured to output a device control signal based at least in part on the detected state of the guest device;

activating an indicator of the guest device based on the device control signal from the processor; and

providing, via a communicator of the guest device, an output to the control system based on the detected state signal.

34. The method of claim 33, wherein the guest device comprises a capacitor configured to store the energy harvested from the radio waves and configured to output the energy to power to the processor, the sensor, and the communicator.

35. The method of claim 33, wherein the communicator is configured to communicate with the control system via long range communication or near field communication.

36. The method of claim 33, wherein the communicator comprises at least one electrically-switchable reflector configured to selectively reflect an infrared signal to a detector of the control system, and wherein the electrically-switchable reflector is switched based on instructions received via the device control signal from the processor.

37. The method of claim 33, wherein the state signal is based on a position or movement pattern of the guest device.

38. The method of claim 33, comprising receiving a control system signal from a control system, wherein the processor is configured to output the device control signal based on both the detected state signal and the control system signal.

39. The method of claim 33, comprising outputting, via the communicator of the guest device, the device control signal to a different guest device.

40. An amusement park attraction, comprising:

a control system configured to output radio waves to an environment and to output a control system signal; and

a guest device comprising:

a communicator configured to receive the control system signal;

a processor;

a sensor configured to detect a state of the guest device and output a state signal to the processor, wherein the processor is configured to output a device control signal based on the detected state signal and the control system signal; and

an indicator that is activated and deactivated according to the device control signal.

~~wherein at least the processor, the sensor, or the communicator receive power via energy harvested from the radio waves in the environment.~~