CLAIMS:

1. A queue control system configured to control a queue structure of a queue, the queue control system comprising:

a controller configured to:

receive, from an input device that monitors a queue characteristic of the queue, data feedback indicative of the queue characteristic, wherein the queue characteristic is indicative of a queue wait time corresponding to at least one person in the queue;

determine a control command based on the data feedback of the queue characteristic indicative of the queue wait time corresponding to the at least one person in the queue; and

output the control command; and

a queue structure control comprising an actuator configured to operate an effect associated with the queue structure, wherein:

the queue structure control is configured to receive the control command; and

the actuator of the queue structure control is configured to change at least one aspect of the queue structure based on the control command such that the effect is presented only once by the queue structure control during a duration of time corresponding to the queue wait time.

2. The queue control system of claim 1, wherein the actuator of the queue structure control is configured to change the at least one aspect of the queue structure based on the control command such that the effect is presented only once by the queue structure control during the duration of time corresponding to the queue wait time by changing a characteristic of a light, and wherein the control command comprises an instructed value of the characteristic of the light.

3. The queue control system of claim 2, wherein the instructed value of the characteristic of the light is indicative of an intensity of the light.

4. The queue control system of claim 1, wherein the queue structure control comprises a plurality of actuators including the actuator, wherein the plurality of actuators of the queue structure control is configured to change the at least one aspect of the queue structure based on the control command such that the effect is presented only once by the queue structure control during the duration of time corresponding to the queue wait time by changing a plurality of characteristics of a plurality of lights corresponding to the plurality of actuators, and wherein the control command comprises a plurality of instructed values of the plurality of characteristics of the plurality of lights.

5. The queue control system of claim 4, wherein the plurality of instructed values comprises, for each light of the plurality of lights, an activation instruction, a deactivation instruction, and a time period between activation corresponding to the activation instruction and deactivation corresponding to the deactivation instruction.

6. The queue control system of claim 5, wherein the activation instruction, the deactivation instruction, and the time period between the activation corresponding to the activation instruction and the deactivation corresponding to the deactivation instruction are unique for each light of the plurality of lights.

7. The queue control system of claim 4, wherein the plurality of lights comprises a first light and a second light, and wherein the plurality of instructed values comprises:

a first activation instruction corresponding to activation of the first light at a first moment in time and a first deactivation instruction corresponding to deactivation of the first light at a second moment in time following the first moment in time; and

a second activation instruction corresponding to activation of the second light at a third moment in time and a second deactivation instruction corresponding to deactivation of the second light at a fourth moment in time after the third moment in time.

8. The queue control system of claim 7, wherein the third moment in time is after the first moment in time.

9. The queue control system of claim 1, comprising a plurality of lights configured to be driven by the queue structure control to provide a wave-like lighting effect.

10. The queue control system of claim 1, wherein the actuator is configured to change the at least one aspect of the queue structure based on the control command such that the effect is presented only once during the duration of time corresponding to the queue wait time by changing a color of a light associated with the queue structure.

11. The queue control system of claim 1, wherein the actuator of the queue structure control is configured to change the at least one aspect of the queue structure based on the control command such that the effect is presented only once during the duration of time corresponding to the queue wait time by moving a facilities component disposed upstream of an entry point to a destination adjacent an end of the queue structure, wherein the facilities component comprises a wall, gate, or door configured to block access to a queue space when the wall, gate, or door is in a closed position and enable access to the queue space when the wall, gate, or door is in an open position.

12. The queue control system of claim 1, wherein the queue structure control comprises a mister, and the actuator of the queue structure control is configured to change the at least one aspect of the queue structure based on the control command such that the effect is presented only once during the duration of time corresponding to the queue wait time by activating or deactivating the mister.

13. The queue control system of claim 1, comprising the input device, wherein the input device comprises a sensor or camera.

14. One or more non-transitory computer-readable media storing instructions which, when executed by at least one processor, cause the at least one processor to perform operations comprising:

receiving, from an input device that monitors a queue characteristic of a queue in a queue structure, data feedback indicative of the queue characteristic, wherein the queue characteristic is indicative of a queue wait time of at least one member in the queue;

determining if the data feedback corresponds to a current operation of an aspect of the queue structure;

in response to determining that the data feedback does not correspond to the current operation of the aspect of the queue structure, determining a control command based on the data feedback, wherein the control command corresponds to a target frequency at which to cause an effect associated with the queue structure, such that the effect, when controlled at the target frequency, is presented only once during a duration of time corresponding to the queue wait time; and

outputting, to one or more actuators of a queue structure control, the control command, wherein the control command, when executed by the one or more actuators of the queue structure control, causes the one or more actuators to change the aspect of the queue structure to correspond to the data feedback by causing the effect to be presented only once during the duration of time corresponding to the queue wait time.

15. The one or more non-transitory computer-readable media of claim 14, wherein the effect corresponds to a first segment of an instructional video presented on a television, such that the instructions when executed by the at least one processor, cause the at least one processor to perform operations comprising:

outputting, to the one or more actuators of the queue structure control, the control command, wherein the control command, when executed by the one or more actuators of the queue structure control, causes the one or more actuators to change the aspect of the queue structure to correspond to the data feedback by actuating the television to display the first segment of the instructional video only once during the duration of time corresponding to the queue wait time.

16. The one or more non-transitory computer-readable media of claim 15, storing instructions which, when executed by the at least one processor, cause the at least one processor to perform operations comprising:

outputting, to the one or more actuators of the queue structure control, an additional control command, wherein the additional control command, when executed by the one or more actuators of the queue structure control, causes the one or more actuators to actuate the television to display a second segment of the instructional video one or more times during the duration of time corresponding to the queue wait time, wherein the second segment of the instructional video corresponds to a safety segment of the instructional video.

17. A queue control system, comprising:

a plurality of lights configured to be disposed in a queue structure defining a queue space of a queue, wherein the plurality of lights is configured to provide a wave-like lighting effect in the queue space;

an input device configured to monitor a queue characteristic of the queue, wherein the queue characteristic comprises a queue length, a queue wait time, a queue rate, or a queue throughput; and

a controller configured to:

receive, from the input device, data feedback indicative of the queue characteristic of the queue during an operating period;

determine, based on the data feedback indicative of the queue characteristic, a target speed of the wave-like lighting effect provided by the plurality of lights;

control one or more actuators associated with the plurality of lights such that the plurality of lights provides the wave-like lighting effect at the target speed during the operating period;

receive, from the input device, additional data feedback indicative of the queue characteristic of the queue during an additional operating period different than the operating period;

determine, based on the additional data feedback indicative of the queue characteristic of the queue during the additional operating period, an additional target speed of the wave-like lighting effect provided by the plurality of lights, the additional target speed differing from the target speed; and

control the one or more actuators associated with the plurality of lights such that the plurality of lights provides the wave-like lighting effect at the additional target speed during the additional operating period.