CLAIMS:

1. An augmented reality system, comprising:

a first scene;

a second scene;

a partially reflective surface positioned relative to the first scene, the second scene, and an audience to facilitate viewing of the first scene through the partially reflective surface and to facilitate reflection of the second scene toward the audience as augmented reality imagery;

one or more actuators coupled to the partially reflective surface;

a sensor configured to detect at least one characteristic of the first scene and generate data indicative of the at least one characteristic, wherein the at least one characteristic comprises a positioning of a physical object in the first scene; and

a correlative effect system that comprises one or more processors and a memory, accessible by the one or more processors, wherein the memory stores instructions that, when executed by the one or more processors, cause the one or more processors to

receive the data and adjust the second scene based on the data by instructing the one or more actuators to reposition the partially reflective surface such that the augmented reality imagery is positioned relative to the positioning of the physical object.

2. The augmented reality system of claim 1, wherein the first scene comprises first lighting, the second scene comprises second lighting, the at least one characteristic comprises a lighting characteristic, and the correlative effect system is configured to adjust the second lighting based on the lighting characteristic of the first scene.

3. The augmented reality system of claim 2, wherein the first scene is a background scene, the first lighting is background scene lighting, the second scene is an augmented reality scene, and the second lighting is augmented reality lighting.

4. The augmented reality system of claim 2, wherein the first scene is an augmented reality scene, the first lighting is augmented reality lighting, the second scene is a background scene, and the second lighting is background scene lighting.

5. The augmented reality system of claim 1, wherein the second scene comprises an image generator and the correlative effect system is configured to adjust a color, a contrast or a combination thereof of an

image provided by the image generator based on the data, wherein the data is indicative of lighting of the first scene.

6. The augmented reality system of claim 1, comprising an image generator configured to mimic a reflection of the augmented reality imagery in the first scene based on the data.

7. The augmented reality system of claim 1, wherein the first scene comprises a three-dimensional stage setting and the sensor comprises a camera configured to detect lighting characteristics of the three-dimensional stage setting.

8. The augmented reality system of claim 1, wherein the first scene comprises an electronic display.

9. The augmented reality system of claim 1, wherein the sensor is one of a plurality of sensors configured to monitor one or both of the first scene and the second scene for movement and lighting characteristics.

10. The augmented reality system of claim 1, wherein the correlative effect system is configured to adjust lighting of the first scene to create shadows in the first scene based on a position of a virtual luminous object of the augmented reality imagery on the partially reflective surface.

11. The augmented reality system of claim 1, wherein the first scene, the second scene, or both comprise one or more projectors, one or more liquid crystal displays, one or more lighting panels, or any combination thereof.

12. An augmented reality system, comprising:

a background scene including background scene lighting;

an augmented reality scene including augmented reality scene lighting; a partially reflective surface positioned relative to the background scene, the augmented reality scene, and an audience to facilitate viewing of the background scene through the partially reflective surface and to facilitate reflection of the augmented reality scene toward the audience as augmented reality imagery;

a sensor configured to detect a lighting characteristic of the background scene, a positioning of a physical object in the background scene, or both and generate data indicative of the lighting characteristic, the positioning of the physical object, or both; and

a correlative effect system that comprises one or more processors and a memory, accessible by the one or more processors, wherein the memory stores instructions that, when executed by the one or more processors, cause the one or more processors to receive the data and adjust the augmented reality scene based on the data by instructing one or more actuators to reposition the partially reflective surface to provide a virtual object that is lit according to the lighting characteristic and in a position corresponding to the positioning of the physical object.

13. The augmented reality system of claim 12, wherein the background scene comprises a theatre stage and the partially reflective surface comprises a partially mirrored foil.

14. The augmented reality system of claim 12, comprising a display in the background scene configured to mimic a reflection of the augmented reality imagery.

15. The augmented reality system of claim 12, comprising an additional sensor configured to detect an additional lighting characteristic of the augmented reality scene and generate additional data indicative of the additional lighting characteristic, wherein the correlative effect system is configured to receive the additional data and adjust the background scene lighting based on the additional data.

16. The augmented reality system of claim 15, wherein the augmented reality scene comprises a three-dimensional staging area.

17. The augmented reality system of claim 12, wherein the augmented reality scene lighting comprises one or more projectors, one or more liquid crystal displays, one or more lighting panels, or any combination thereof.

18. An augmented reality system, comprising:

a background scene including a three-dimensional staging area and background scene lighting configured to adjustably illuminate the three-dimensional staging area;

an augmented reality scene including augmented reality scene lighting configured to provide augmented reality imagery;

a partially reflective surface positioned relative to the background scene, the augmented reality scene, and an audience to facilitate viewing of the background scene through the partially reflective surface and to facilitate reflection of the augmented reality imagery toward the audience;

a sensor configured to detect a characteristic of the background scene, wherein the sensor is also configured to generate data indicative of the characteristic, and

wherein the characteristic comprises a positioning of a physical object in the background scene; and

a correlative effect system that comprises one or more processors and a memory, accessible by the one or more processors, wherein the memory stores instructions that, when executed by the one or more processors, cause the one or more processors

to receive the data and adjust the augmented reality scene based on the data by instructing one or more actuators to reposition the partially reflective surface to provide a virtual object in a position corresponding to the positioning of the physical object.

19. The augmented reality system of claim 18, wherein the augmented reality scene comprises a display screen, the augmented reality scene lighting comprises lighting of the display screen, the sensor is configured to generate the data being indicative of a lighting characteristic of the background scene, and the correlative effect system is configured to control the lighting of the display screen to provide characteristics of the augmented reality imagery correlative to the data.

20. The augmented reality system of claim 18, wherein the augmented reality scene lighting comprises one or more projectors, one or more liquid crystal displays, one or more lighting panels, or any combination thereof.

21. An augmented reality system, comprising:

a first scene;

a second scene presented by a projector;

a partially reflective surface positioned relative to the first scene, the projector, and an audience to facilitate viewing of the first scene through the partially reflective surface and to facilitate reflection of the second scene toward the audience as augmented reality imagery;

a sensor configured to detect a characteristic of the first scene and generate data indicative of the characteristic:

one or more actuators coupled to the partially reflective surface; and

a controller configured to:

receive data indicative of the characteristic of the first scene; and

adjust the reflection of the second scene based on the characteristic by transitioning a relative positioning of the projector and the partially reflective surface by instructing the one or more actuators to reposition the partially reflective surface based on the characteristic.

22. The augmented reality system of claim 21, wherein the characteristic comprises a light characteristic of the first scene.

23. The augmented reality system of claim 21, wherein the characteristic comprises a light characteristic of the first scene, and the controller is configured to adjust a lighting of the second scene based on the lighting characteristic of the first scene.

24. The augmented reality system of claim 21, wherein the projector comprises a light emitting diode (LED) display, and the controller is configured to adjust a color, a contrast, a brightness, or any combination thereof of an image provided by the LED display based on a light characteristic of the first scene.

25. The augmented reality system of claim 21, wherein the controller is configured to receive the data from the sensor configured to detect the characteristic as a position of an object in the first scene, a light characteristic of the first scene, or both.

26. The augmented reality system of claim 21, wherein the first scene comprises a three-dimensional stage setting.

27. The augmented reality system of claim 21, wherein the controller is configured to adjust lighting of the first scene to create a shadow in the first scene based on a positioning of a virtual luminous object of the augmented reality imagery.

28. The augmented reality system of claim 21, comprising an image generator configured to mimic a reflection of the augmented reality imagery in the first scene.

29. The augmented reality system of claim 21, comprising a first camera configured to detect a first lighting in the first scene and a second camera configured to detect a second lighting in the second scene, and wherein the controller is configured to adjust the augmented reality imagery based on the first lighting and the second lighting.

30. The augmented reality system of claim 21, wherein the first scene comprise one or more projectors, one or more liquid crystal displays, one or more lighting panels, or any combination thereof.

31. The augmented reality system of claim 21, wherein the controller is configured to instruct the one or more actuators to reposition the partially reflective surface such that the augmented reality imagery is positioned relative to a detected position of an object in the first scene.

32. A system, comprising:

a background scene;

an augmented reality scene displayed via a projector;

a partially reflective surface positioned relative to the background scene, the projector, and an audience to facilitate viewing of the background scene through the partially reflective surface and to facilitate reflection of the augmented reality scene toward the audience as augmented reality imagery; and

one or more processors configured to:

receive data comprising a light characteristic of the background scene; and

adjust the augmented reality scene by transitioning a relative positioning between the projector and the partially reflective surface by instructing one or more actuators coupled to the partially reflective surface to reposition the partially reflective surface based on the characteristic to provide a virtual object of the augmented reality imagery that is lit according to the light characteristic.

33. The system of claim 32, wherein the data comprises a positioning of a physical object in the background scene.

34. The system of claim 33, wherein the one or more processors are configured to adjust the augmented reality scene by transitioning the relative positioning between the projector and the partially reflective surface to provide the virtual object of the augmented reality imagery that is in a position corresponding to the positioning of the physical object.

35. The system of claim 32, wherein the background scene comprises one or more electronic displays, one or more projectors, one or more lighting panels, or any combination thereof.

36. The system of claim 32, comprising a camera configured to detect the light characteristic of the background scene.

37. The system of claim 32, wherein the partially reflective surface comprises a partially mirrored foil.

38. A method, comprising:

receiving, via one or more processors, a first set of data comprising an augmented reality lighting of an augmented reality scene that is positioned relative to a background scene and a partially reflective surface;

receiving, via the one or more processors, a second set of data comprising a background lighting of the background scene and a positioning of a physical object in the background scene; and

adjusting, via the one or more processors, the augmented reality scene by transitioning a relative positioning between a projector of the augmented reality scene and the partially reflective surface by instructing one or more actuators coupled to the partially reflective surface to reposition the partially reflective surface based on the characteristic to provide a virtual object that is lit according to the background lighting and in a position corresponding to the positioning of the physical object.

39. The method of claim 38, comprising generating, via the one or more processors, augmented reality imagery based on the augmented reality lighting and the background lighting to provide the virtual object.

40. The method of claim 38, comprising adjusting, via the one or more processors, the background lighting to generate a shadow in the background scene based on the position of the virtual object with respect to the partially reflective surface.