CLAIMS

1. A system for generating a virtual audience, the system comprising:

a communications interface configured to:

provide a digital feed from a performance area to a remotely located audience; and

receive feedback from the remotely located audience;

a controller configured to provide an output at the performance area corresponding to at least a portion of the received feedback;

one or more sensors configured to detect one or more events at the performance area; and

at least one display proximally located to the performance area and configured to:

calculate a focal score for at least one of the one or more events detected by the one or more sensors, wherein the focal score for the at least one of the one or more events is based on at least one of an event location, an event magnitude, a sound location, or a motion location;

depict a representation of at least a portion of the remotely located audience, wherein the representation comprises at least one digital avatar corresponding to the portion of the remotely located audience; and

animate a selected one of the at least one digital avatar based on the at least one of the one or more events detected at the performance area by the one or more sensors, a probabilistic determination and the calculated focal score for the at least one of the one or more events, wherein the animation comprises head and eye movement of the selected avatar.

2. The system of Claim 1 wherein the remotely located audience comprises a plurality of remotely located audiences each at a geographic location, and:

the communications interface is further configured to receive feedback from each of the plurality of remotely located audiences; and

the controller is further configured to aggregate the feedback received by the communications interface from each of the plurality of remotely located audiences, wherein the output provided by the controller at the performance area is based on the aggregated feedback.

3. The system of Claim 1 wherein:

the communications interface is configured to provide the digital feed to the remotely located audience by connecting to at least one electronic device of at least one member of the remotely located audience; and

the feedback received by the communications interface comprises a signal representing motion of the electronic device of the at least one member of the remotely located audience, wherein the signal representing motion of the electronic device represents at least one of contact between the at least one member of the remotely located audience and the electronic device, and movement of the electronic device, wherein the contact is at least a clapping gesture between the electronic device and the member.

4. The system of Claim 1 wherein the communications interface is configured to:

provide the digital feed comprising a broadcast of an event at the performance area after a time at which the event occurred;

receive the feedback after the time at which the event occurred; and

receive additional feedback after the time at which the event occurred,

wherein the controller is further configured to aggregate the feedback with the additional feedback.

5. The system of Claim 1 wherein:

the controller is further configured to:

determine an audience output to be provided to a subset of the remotely located audience, with at least one member of the remotely located audience included in the subset, wherein the audience output determined by the controller includes aggregated feedback that is generated by the controller from feedback received at the communications interface from multiple members of the remotely located audience; and

synthesize the feedback received by the communications interface from the remotely located audience with the aggregated feedback in determining the audience output; and

the communications interface is further configured to provide the determined audience output to the subset of the remotely located audience.

6. The system of Claim 5 wherein the audience output determined by the controller informs at least one member of the remotely located audience of impropriety of the received feedback.

7. The system of Claim 1 wherein the controller is further configured to:

provide the output at the performance area based on an event in the performance area, wherein, in providing the output at the performance area based on the event in the performance area, the controller delays providing the output based on a component of the event in the performance area, wherein a simulation of the event is used to provide the output at the performance area as a result of the component of the event in the performance area.

8. The system of Claim 1 wherein the feedback received by the communications interface is from a plurality of members of the remotely located audience and the controller is configured to aggregate the feedback received from the plurality of members of the remotely located audience to provide the output at the performance area, and wherein the controller is configured to utilize frequency a particular feedback type occurs in the aggregated feedback to provide the output at the performance area.

9. The system of Claim 1 wherein the communications interface is further configured to ban a member of the remotely located audience based on an internet protocol address associated with the banned audience member.

10. The system of Claim 1 wherein the output provided by the controller at the performance area comprises at least one physical change to the performance area.

11. The system of Claim 1 wherein the feedback received by the communications interface comprises voice feedback, wherein the controller is further configured to remove language from the received voice feedback, wherein the removed language comprises offensive language.

12. The system of Claim 1 wherein:

the communications interface is further configured to receive local feedback from an audience located local to the performance area; and

the controller is configured to provide the output at the performance area at a time determined based on when the communications interface receives the local feedback, wherein the output at the performance area provided by the controller is based on at least one of a number of remotely located audience members, past feedback, an event type, an event gravity, a current score of an event, a completion percentage of an event, the local feedback, or a likelihood of an event.

13. The system of Claim 1 wherein the at least one display is configured to:

depict a plurality of digital avatars, wherein a number of the plurality of digital avatars is proportional to the number of members in the remotely located audience; and

highlight one or more of the depicted plurality of avatars based on received feedback associated with the one or more highlighted avatars.

14. The system of Claim 1 wherein the at least one display is configured to, one of:

depict the at least one digital avatar at a position selected by a member of the remotely located audience,

depict the at least one digital avatar with a sign,

customize the depicted at least one digital avatar based on input from the remotely located audience, or

animate the at least one digital avatar to render the feedback received from the remotely located audience.

15. The system of Claim 1 wherein the at least one display is configured to provide a three-dimensional (3D) rendering of the representation.

16. The system of Claim 1 wherein the digital feed from the performance area includes biometric data regarding at least one person at the performance area.

17. The system of Claim 1 wherein:

the controller is further configured to create a digital rendering of a physical object from the performance area; and

the communications interface is further configured to provide the created digital rendering to the remotely located audience.

18. A method for creating a virtual audience, the method comprising:

providing a digital feed from a performance area to a remotely located audience;

receiving feedback from the remotely located audience;

detecting one or more events at the performance area;

calculating a focal score for at least one of the one or more events, wherein the focal score for the at least one of the one or more events is based on at least one of an event location, an event magnitude, a sound location, or a motion location;

depicting a representation of at least a portion of the remotely located audience, wherein the representation comprises at least one digital avatar corresponding to the portion of the remotely located audience; and

animating a selected one of the at least one digital avatar based on the at least one of the one or more events detected at the performance area by the one or more sensors, a probabilistic determination and the calculated focal score for the at least one of the one or more events, wherein the animation comprises head and eye movement of the selected avatar.

19. A computer implemented method of facilitating remote audience participation, the method comprising:

receiving a digital feed from a performance area at a device associated with a user;

sending first feedback to the performance area;

receiving output from the performance area corresponding to second feedback from a plurality of remotely located audience members;

receiving third feedback from the performance area regarding a digital avatar depicted in the performance area;

selecting the digital avatar based on the third feedback; and

displaying data related to the performance area in a plurality of panels of a graphical user interface on the device associated with the user, wherein a first panel of the plurality of panels depicts the digital avatar selected based on the third feedback.

20. The method of Claim 19 wherein,

a second panel depicts one of (i) the received output from the performance area, (ii) event scores or (iii) a plurality of digital avatars corresponding to the plurality of remotely located audience members,

a third panel depicts the digital feed, and

a fourth panel depicts an avatar associated with the user.

21. The method of Claim 20 further comprising:

receiving a notification that the user is being featured;

sending a user expression in response to the notification; and

depicting, in the second panel, the avatar associated with the user performing the sent user expression amongst the plurality of digital avatars corresponding to the plurality of remotely located audience members.