CLAIMS

1. A system for controlling user interactions in a virtual meeting, comprising:

a cloud server that comprises a processor, wherein the processor is configured to:

control display of a user interface on a plurality of user devices, wherein the user interface comprises a virtual environment to facilitate the virtual meeting among a plurality of participants of the plurality of user devices;

receive a first user input corresponding to an activation of a pause user interface element on the user interface from a first user device of the plurality of user devices;

(1) in response to the received first user input corresponding to the activation of the pause user interface element at the first user device, control a first set of device functions associated with a first set of components of the first user device engaged in the virtual meeting, and

(2) select a frozen image frame for display from a set of image frames previously captured by an image-capture component of the first user device during the virtual meeting and prior to the activation of the pause user interface element, wherein the frozen image frame for display is selected based on a user standard,

wherein the control of the first set of device functions comprises pausing an outgoing audio as well as an outgoing video feed concomitantly from the first user device, and

wherein the first set of components comprises an audio capture component and the image-capture component of the first user device;

cause the other user devices of the plurality of user devices to continue to interact in the virtual environment in the virtual meeting while the outgoing audio and the outgoing video feed from the first user device is selectively paused;

receive a second user input from the first user device subsequent to the receipt of the first user input to further activate the pause user interface element on the user interface; and

in response to the second user input,

(1) control a second set of device functions concomitant to the first set of device functions when the second user input is received subsequent to the receipt of the first user input, and

(2) the control of the second set of device functions comprises restricting incoming audio from the other user devices to be played at the first user device independent of muting corresponding audio capture components of the other user devices.

2. The system according to claim 1, wherein the control of the first set of device functions further comprises recording an audio-visual segment of the virtual environment of the virtual meeting for a first period corresponding to the activation of the pause user interface element until the pause UI element is deactivated.

3. The system according to claim 2, wherein the processor is further configured to cause the first user device to extract the recording of the audio-visual segment of the virtual environment of the virtual meeting for the first period for a user consumption at a second period different from the first period.

4. The system according to claim 1, wherein the control of the first set of device functions further comprises communicating a notification to the other devices of the plurality of user devices, wherein the notification comprises paused information that is indicative of the activation of the pause user interface element at the first user device in the virtual environment.

5. The system according to claim 1, wherein the frozen image frame for display is selected by an artificial intelligence algorithm trained with a plurality of user selected images.

6. The system according to claim 5, wherein the pausing of the outgoing video feed at the first user device comprises at least one of: blurring out an image of a first participant captured by the image-capture component of the first user device, modifying a transparency parameter of the image of the first participant, or modifying a color parameter of the image of the first participant, wherein the paused information comprises one or more of: the blurred out image, the modified transparency parameter, or the modified color parameter of the image of the first participant.

7. The system according to claim 5, wherein the pausing of the outgoing video feed at the first user device comprises at least one of: inserting a label on the image of the first participant or a graphical icon on the image of the first participant, wherein the paused information comprises at least one of: the inserted label or the graphical icon on the image of the first participant.

8. The system according to claim 1, wherein the virtual environment is a three-dimensional virtual environment, and the virtual meeting is at least one of: a videoconferencing meeting, a virtual audio-visual meeting in the three-dimensional virtual environment that is shared among the plurality of participants of the plurality of user devices, or an augmented reality-based virtual meeting.

9. The system according to claim 1, wherein the processor is further configured to:

remove a background of each participant of the plurality of participants from a corresponding video feed captured at each of the plurality of user devices; and

merge a video cut-out of each participant of the plurality of participants devoid of their background in the virtual environment.

10. The system according to claim 1, wherein the first set of components comprises two or more of the audio capture component, an audio output component, and the image-capture component of the first user device, wherein at least the audio capture component and the image -capture component of the first user device are deactivated concomitantly based on the first user input on the pause user interface element.

11. The system according to claim 1, wherein the processor is further configured to, after controlling the first set of device functions, unsubscribe other user devices of the plurality of user devices in the virtual environment from the outgoing audio as well as the outgoing video feed from the first user device.

12. A method for controlling user interactions in a virtual meeting, the method comprising:

in a cloud server:

controlling display of a user interface user interface on a plurality of user devices, wherein the user interface comprises a virtual environment to

facilitate the virtual meeting among a plurality of participants of the plurality of user devices;

receiving a first user input corresponding to an activation of a pause user interface element on the user interface from a first user device of the plurality of user devices;

(1) in response to the received first user input corresponding to the activation of the pause user interface element at the first user device, controlling a first set of device functions associated with a first set of components of the first user device engaged in the virtual meeting, and

(2) selecting a frozen image frame for display from a set of image frames previously captured by an image-capture component of the first user device during the virtual meeting and prior to the activation of the pause user interface element, wherein the frozen image frame for display is selected based on a user standard,

wherein the control of the first set of device functions comprises pausing an outgoing audio as well as an outgoing video feed concomitantly from the first user device, and

wherein the first set of components comprises an audio capture component and the image-capture component of the first user device;

causing the other user devices of the plurality of user devices to continue to interact in the virtual environment in the virtual meeting while the outgoing audio and the outgoing video feed from the first user device is selectively paused;

received a second user input from the first user device subsequent to the receipt of the first user input to further activate the pause user interface element on the user interface; and

in response to the second user input,

(1) control a second set of device functions concomitant to the first set of device functions when the second user input is received subsequent to the receipt of the first user input, and

(2) the control of the second set of device functions comprises restricting incoming audio from the other user devices to be played at the first user device independent of muting corresponding audio capture components of the other user devices.

13. The method according to claim 12, wherein the controlling of the first set of device functions further comprises recording an audio-visual segment of the virtual environment of the virtual meeting for a first period corresponding to the activation of the pause user interface element until the pause user interface element is deactivated.

14. The method according to claim 13, further comprising causing the first user device to extract the recording of the audio-visual segment of the virtual environment of the virtual meeting for the first period for a user consumption at a second period different from the first period.

15. The method according to claim 12, wherein the controlling of the first set of device functions further comprises communicating a notification to the other devices of the plurality of user devices, wherein the notification comprises paused information that is indicative of the activation of the pause user interface element at the first user device in the virtual environment.

16. The method according to claim 12, further comprising, after controlling the first set of device functions, unsubscribing other user devices of the plurality of user devices in the virtual environment from the outgoing audio as well as the outgoing video feed from the first user device.

17. A non-transitory computer-readable medium having stored thereon computer-implemented instructions which, when executed by a computer, causes the computer to execute operations comprising:

controlling display of a user interface user interface on a plurality of user devices, wherein the user interface comprises a virtual environment to facilitate the virtual meeting among a plurality of participants of the plurality of user devices;

receiving a first user input corresponding to an activation of a pause user interface element on the user interface from a first user device of the plurality of user devices;

(1) in response to the received first user input corresponding to the activation of the pause user interface element at the first user device, controlling a first set of device functions associated with a first set of components of the first user device engaged in the virtual meeting, and

(2) selecting a frozen image frame for display from a set of image frames previously captured by an image-capture component of the first user device during the virtual meeting and prior to the activation of the pause user interface element, wherein the frozen image frame for display is selected based on a user standard,

wherein the control of the first set of device functions comprises pausing an outgoing audio as well as an outgoing video feed concomitantly from the first user device, and

wherein the first set of components comprises an audio capture component and the image-capture component of the first user device;

causing the other user devices of the plurality of user devices to continue to interact in the virtual environment in the virtual meeting while the outgoing audio and the outgoing video feed from the first user device is selectively paused;

receive a second user input from the first user device subsequent to the receipt of the first user input to further activate the pause user interface element on the user interface; and

in response to the second user input,

(1) control a second set of device functions concomitant to the first set of device functions when the second user input is received subsequent to the receipt of the first user input, and

(2) the control of the second set of device functions comprises restricting incoming audio from the other user devices to be played at the first user device independent of muting corresponding audio capture components of the other user devices.