

DESCRIPTION

Title of the Invention: CONFERENCE SUPPORT DEVICE, CONFERENCE SUPPORT SYSTEM, AND CONFERENCE SUPPORT METHOD

Technical Field

[0001]

The present invention relates to a conference support device, a conference support system, and a conference support method.

Background Art

[0002]

There has been proposed a method of determining the situation of a conference based on how lively the conversation is at the conference, and adjusting the environment of a space where the conference is held, such as a conference room or a conference space, according to the situation of the conference. Patent Literature 1 discloses a method of controlling electronic equipment for adjusting the environment of a conference room according to the environment around the electronic equipment disposed in the conference room or the like, for example. In the method of controlling the electronic equipment disclosed in Patent Literature 1, the color of lighting in the conference room and the content of the reproduction of audiovisual content are controlled according to the situation of the conference and the value of the space of the conference room is improved.

Citation List

Patent Literature

[0003]

PTL 1: Japanese Unexamined Patent Application Publication No. 2020-65097

Summary ~~of the Invention~~

[0004]

Normally, a conference is held due to a gathering of participants, and the

psychological states of the conference participants affect, at least in part, how the conference progresses and how lively the conference becomes. In other words, it is preferable that the psychological states (subjectivity) of the conference participants be reflected in the adjustment of the environment in the conference room, in terms of the appropriate progress of the conference. However, in the above method of controlling the electronic equipment, the psychological states of the participants are not reflected in the electronic equipment for controlling a space such as a conference room. If the electronic equipment performs extreme control according to the situation of a conference, even if the control is appropriate for the situation of the conference, there may be a case where the conference participants feel uncomfortable, for example. In other words, there are cases where control performed simply according to the situation of the conference is actually control that is contrary to the intentions of the participants, and there may be cases where the environment of a space such as a conference room where a conference is held is not controlled appropriately.

[0005]

The present ~~invention-disclosure~~ has been devised in view of such problems of the prior art. An ~~object-example~~ of the present ~~disclosure invention~~ is to provide a conference support device capable of appropriately controlling the environment of a space in which a conference is held.

[0006]

In order to solve the above problems, a conference support device according to a first aspect of the present ~~invention-disclosure~~ includes: a conference information acquisition unit that acquires conference information on a conference to be held; a storage unit that stores correspondence relationship information indicating a correspondence relationship between the conference information and control information of environment control equipment that controls an environment of a space in which the conference is held; a control information acquisition unit that acquires the control information corresponding to the conference information from the correspondence relationship information stored in the storage unit; an equipment

control unit that

controls the environmental control equipment based on the control information; a display control unit that causes a user terminal to display a questionnaire from which a psychological state of a participant in the conference can be estimated; a questionnaire result acquisition unit that acquires a questionnaire result transmitted from the user terminal; a tabulation unit that tabulates the questionnaire result and generates a tabulation result; a determination unit that determines a value of the tabulation result based on a predetermined threshold; and a control information adjustment unit that updates the control information included in the correspondence relationship information according to a determination result determined by means of the determination unit.

[0007]

A conference support device according to ~~another-second~~ aspect of the present ~~disclosure invention~~ includes: a conference information acquisition unit that acquires conference information on a conference to be held; a storage unit that stores correspondence relationship information indicating a correspondence relationship between the conference information and control information of environment control equipment that controls an environment of a space in which the conference is held; a control information acquisition unit that acquires the control information corresponding to the conference information from the correspondence relationship information stored in the storage unit; an equipment control unit that controls the environmental control equipment based on the control information; a display control unit that causes a user terminal to display a questionnaire from which a psychological state of a participant in the conference can be estimated; a questionnaire result acquisition unit that acquires a questionnaire result transmitted from the user terminal; a tabulation unit that tabulates the questionnaire result and generates a tabulation result; and a learning unit that learns the correspondence relationship between the conference information and the control information based on a value of the tabulation result, the conference information, and the control information, in which the learning unit reflects a result of learning the correspondence relationship between the

conference information and the

control information in the correspondence relationship information.

[0008]

A conference support system according to ~~yet another a third~~ aspect of the present ~~invention~~ disclosure is a conference support system including: environment control equipment that controls an environment of a space in which a conference is held; a user terminal; and a conference support device that controls the environment control equipment, in which the conference support device includes: a conference information acquisition unit that acquires conference information on the conference; a storage unit that stores correspondence relationship information indicating a correspondence relationship between the conference information and control information of the environment control equipment; a control information acquisition unit that acquires the control information corresponding to the conference information from the correspondence relationship information stored in the storage unit; an equipment control unit that controls the environmental control equipment based on the control information; a display control unit that causes the user terminal to display a questionnaire from which a psychological state of a participant in the conference can be estimated; a questionnaire result acquisition unit that acquires a questionnaire result transmitted from the user terminal; a tabulation unit that tabulates the questionnaire result and generates a tabulation result; a determination unit that determines a value of the tabulation result based on a predetermined threshold; and a control information adjustment unit that updates the control information included in the correspondence relationship information according to a determination result determined by means of the determination unit.

[0009]

A conference support method according to a ~~yet another fourth~~ aspect of the present disclosure ~~invention~~ is a conference support method executed by a computer, and the conference support method includes: acquiring conference information on a conference to be held; acquiring the control information corresponding to the conference information from a storage unit that stores correspondence relationship

information indicating a

correspondence relationship between the conference information and control information of environmental control equipment that controls an environment of a space in which the conference is held; controlling the environmental control equipment based on the control information; causing a user terminal to display a questionnaire from which a psychological state of a participant in the conference can be estimated; acquiring a questionnaire result transmitted from the user terminal; tabulating the questionnaire result and generating a tabulation result; determining a value of the tabulation result based on a predetermined threshold; and updating the control information included in the correspondence relationship information according to a determination result.

[0010]

A conference support program according to a ~~yet another fifth~~ aspect of the present ~~disclosure invention~~ is a conference support program for causing a computer to execute processes of: acquiring conference information on a conference to be held; acquiring the control information corresponding to the conference information from a storage unit that stores correspondence relationship information indicating a correspondence relationship between the conference information and control information of environmental control equipment that controls an environment of a space in which the conference is held; controlling the environmental control equipment based on the control information; causing a user terminal to display a questionnaire from which a psychological state of a participant in the conference can be estimated; acquiring a questionnaire result transmitted from the user terminal; tabulating the questionnaire result and generating a tabulation result; determining a value of the tabulation result based on a predetermined threshold; and updating the control information included in the correspondence relationship information according to a determination result.

Brief Description of the Drawings

[0011]

[Fig. 1] Fig. 1 is a diagram showing an example of a conference support

system according to a first embodiment.