CLAIMS:

1. A scheduling system (2) for scheduling interaction with a subject (3), wherein the scheduling system (2) comprises:

- a receiving unit (6) adapted to receive sensor data acquired by one or more sensors (4, 5), wherein the sensor data are indicative of a situation of the subject (3), wherein the sensor data comprise biometric data of the subject (3) acquired by one or more biometric sensors (4) and environmental data of an environment of the subject (3) acquired by one or more environmental sensors (5), the biometric data comprising one or more of: data indicative of an activity level of the subject and data indicative of a relaxation level of the subject, the environmental data comprising one or more of: data indicative of an air quality in the environment of the subject and data indicative of a presence of persons nearby the subject,

- an analyzing unit (7) adapted to analyze the received sensor data (20) for a past period of time to detect recurring patterns (32) in the situation of the subject (3) during the past period of time,

- a predicting unit (8) adapted to predict the situation of the subject (3) during a future period of time based on the received sensor data (40) for a current period of time and the detected recurring patterns (32), and

- a scheduling unit (9) adapted to generate a schedule for interacting with the subject (3) based on the predicted situation,

characterized in that the analyzing unit (7) is adapted to represent the situation of the subject (3) by a readiness measure (31, 33, 34) which indicates a readiness of the subject (3) to process information at a given time, wherein the analyzing unit (7) is adapted to determine the readiness measure (31) for the past period of time based on the received sensor data (20) for the past period of time and to detect the recurring patterns (32) in the readiness measure (31) for the past period of time, wherein the readiness measure (32) for the past period of time is determined from the received biometric data for the past period of time and the received environmental data for the past period of time, wherein the predicting unit (8) is adapted to predict the readiness measure (34) for the future period of time based on the

received sensor data (40) for the current period of time and the detected recurring patterns (32).

2. The scheduling system (2) as defined in claim 1, wherein the analyzing unit (7) is adapted to detect the recurring patterns (32) based on eigensituations derived from the received sensor data (20) for the past period of time, wherein the eigensituations characterize the situational variation during the past period of time.

3. The scheduling system (2) as defined in claim 1, wherein the scheduling unit (9) is adapted to generate the schedule based on the predicted readiness measure (34) for the future period of time.

4. The scheduling system (2) as defined in any of claims 1 to 3, wherein the current period of time corresponds to a first part of a present day and the future period of time corresponds to a later part of the present day.

5. The scheduling system (2) as defined in any of claims 1 to 4, wherein the analyzing unit (7) is adapted to update the detection of the recurring patterns when additional sensor data for a more recent period of time compared to the past period of time have been received.

6. An interaction system (1) for interacting with a subject (3), wherein the interaction system (1) comprises:

- the scheduling system (2) as defined in any of claims 1 to 5, and
- an interaction sub-system (10) for interacting with the subject (3).

7. The interaction system (1) as defined in claim 6, wherein the interaction sub-system (10) comprises a system for performing a video conversation with the subject (3) and/or a system for presenting media content to the subject (3).

8. The interaction system (1) as defined in claim 6 or 7, wherein the interaction sub-system (10) is adapted to send a message to the subject (3) for prompting the subject (3) to engage in the interaction.

9. The interaction system (1) as defined in any of claims 6 to 8, wherein the interaction sub-system (10) is adapted to automatically initiate an interaction with the subject (3) according to the generated schedule.

10. The interaction system (1) as defined in claim 9, wherein the interaction sub-system (10) is adapted to allow the subject (3) to refuse the initiated interaction, wherein the interaction sub-system (10) is further adapted to automatically re-initiate an interaction with the subject (3) at a later time according to the generated schedule.

11. A computer-implemented scheduling method for scheduling interaction with a subject (3), wherein the scheduling method comprises:

- receiving sensor data acquired by one or more sensors (4, 5), by a receiving unit (6), wherein the sensor data are indicative of a situation of the subject (3), wherein the sensor data comprise biometric data of the subject (3) acquired by one or more biometric sensors (4) and environmental data of an environment of the subject (3) acquired by one or more environmental sensors (5), the biometric data comprising one or more of: data indicative of an activity level of the subject and data indicative of a relaxation level of the subject and the environmental data comprising one or more of: data indicative of an air quality in the environment of the subject and data indicative of a presence of persons nearby the subject,
- analyzing the received sensor data (20) for a past period of time to detect recurring patterns (32) in the situation of the subject (3) during the past period of time, by an analyzing unit (7),
- predicting the situation of the subject (3) during a future period of time based on the received sensor data (40) for a current period of time and the detected recurring patterns (32), by a predicting unit (8), and
- generating a schedule for interacting with the subject (3) based on the predicted situation, by a scheduling unit (9),

characterized in that the analyzing unit (7) represents the situation of the subject (3) by a readiness measure (31, 33, 34) which indicates a readiness of the subject (3) to process information at a given time, wherein the analyzing unit (7) determines the readiness measure (31) for the past period of time based on the received sensor data (20) for the past period of time and to detect the recurring patterns (32) in the readiness measure (31) for the past period of time, wherein the readiness measure (32) for the past period of time is

determined from the received biometric data for the past period of time and the received environmental data for the past period of time, wherein the predicting unit (8) predicts the readiness measure (34) for the future period of time based on the received sensor data (40) for the current period of time and the detected recurring patterns (32).

12. A scheduling computer program for scheduling interaction with a subject (3), wherein the scheduling computer program comprises program code means for causing a scheduling system (2) as defined in any of claims 1 to 5 to carry out the steps of the scheduling method as defined in claim 11, when the scheduling computer program is run on a computer controlling the scheduling system (2).