CLAIMS

1. A system for biometric based information communication and operation of machinery by a user comprising:

a biomedical device comprising:

a sensing means, wherein the sensing means measures a biometric related to a fatigue level of the user;

an energization device; and

a communication means;

a user electronic device, wherein the user electronic device is paired in a communication protocol with the biomedical device;

a communication hub, wherein the hub receives communication containing at least a data value from the biomedical device and transmits the communication to a content server;

a feedback element; and

a machine smart device associated with machinery operated by the user, the machine smart device being in communication with the biomedical device and/or the user electronic device and adapted to direct that the operation of the machinery be taken over by another user on measuring a predetermined level of fatigue of the user.

2. The system of claim 1, wherein the user electronic device is paired in a communication protocol with the communication hub.

3. The system of claim 2, wherein the feedback element is located on the user electronic device.

4. The system of claim 3, wherein the feedback element includes a display.

5. The system of claim 4, wherein the content server transmits a targeted message through a biometric information communication system to the feedback element.

6. The system of claim 1, wherein the sensing means comprises an element to monitor a user's temperature.

7. The system of claim 1, wherein the sensing means comprises an element to monitor a user's blinking rate.

8. The system of claim 1, wherein the sensing means comprises an element to monitor movements of a user's head.

9. The system of claim 1, wherein the sensing means comprises an element to monitor a user's blood pressure.

10. The system of claim 1, wherein the sensing means comprises an element to monitor a level of serotonin.

11. The system of claim 1, wherein the sensing means comprises an element to monitor a user's pulse.

12. The system of claim 1, wherein the sensing means comprises an element to monitor sounds of a user's yawn.

13. The system of claim 1, wherein the sensing means comprises an element to monitor a user's blood oximetry level.

14. The system of claim 1, wherein the sensing means comprises an element to monitor a user's blood glucose level.

15. A method comprising:

obtaining a first device, wherein the first device is capable of measuring at least a first biometric of a user, wherein the first biometric is related to a level of fatigue of a user;

measuring the first biometric with the first device to obtain biometric data;

determining a location of the first device with the first device to obtain location data;

communicating the biometric data and the location data to a computing device connected to a network;

authorizing the computing device, via a signal from the first device, to obtain environmental data related to the location data;

authorizing the computing device to initiate an algorithm to be executed to retrieve a targeted and individualized content based on the biometric data, the environmental data, the location data and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;

receiving a message comprising the targeted and individualized content to the first device;

displaying the message to the user; and

communicating with a machine smart device associated with machinery operated by the user, thereby directing that the operation of the machinery be taken over by another user based on a predetermined level of fatigue of the user.

16. A method comprising:

obtaining a first device , wherein the first device is capable to measure at least a first biometric of a user wherein the biometric measurement is related to a level of fatigue of a user;

measuring the first biometric with the first device to obtain biometric data;

obtaining a second device, wherein the second device includes a display and a network communication device;

authorizing a paired communication between the first device and the second device;

communicating the biometric data from the first device to the second device;

determining a location of the first device with the second device to obtain location data;

communicating the biometric data and the location data to a computing device connected to a network;

authorizing the computing device, via a signal from the first device, to obtain environmental data related to the location data;

authorizing the computing device to initiate an algorithm to be executed to retrieve a targeted and individualized content based on the biometric data, the environmental data, the location data and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;

receiving a message comprising the targeted and individualized content to the second device; and

displaying the message to the user; and

communicating with a machine smart device associated with machinery operated by the user, thereby directing that the operation of the machinery be taken over by another user based on a predetermined level of fatigue of the user.

17. The method according to claim 16, wherein the second device comprises a smart phone.

18. The method according to claim 16, wherein the second device comprises a smart watch.