CLAIMS:

1. An apparatus for presenting information to a user, comprising:

an electronic device for operation by the user, the electronic device comprising a processor, a memory, a radio, a speaker, and a touchscreen, wherein the device is to:

obtain information for presentation to the user, wherein the information is obtained via a plurality of information sources;

determine multiple methods of presenting the information to the user;

select at least one of the multiple methods based on status awareness, whereby status awareness includes situation awareness, context awareness, or both, wherein the situation awareness pertains to conditions external to the electronic device as determined from sensor inputs provided by one or more sensors of the electronic device, wherein the sensor inputs are based on information relating to the external conditions gathered by the one or more sensors; and

present the information to the user with the selected method, wherein the information is presented via a matrix that is rotational at its axis to provide maximum access to a cluster of nodes representing a cluster of information points within the matrix, wherein the cluster of nodes corresponds to a plurality of information points populated by the plurality of information sources, wherein the plurality of information points includes areas of interests as labeled categories, wherein the matrix includes a matrix of choices where one axis of the matrix represents areas of interest corresponding to software applications as represented by another axis of the matrix such that a combination of an area of interest and a corresponding software application is chosen by the user and retrieved by the electronic device along with retrieval of data associated with the combination, wherein the matrix includes one or more matrixes corresponding to one or more modes associated with the user or the device, wherein the one or more modes include at least one of work mode, family mode, and play mode,

wherein the selection is based on effect of the selected method of presentation on other people, and wherein the selection includes not selecting presentation by audio through a speaker if ambient noise is higher than a reference noise, and selecting presentation by audio through a headset if ambient noise is smaller than a reference value.

2. The apparatus of claim 1, wherein a node includes one or more of a software application, a selection of data, an internal service, an external service, an input from a sensor, a communication link, and one or more sources of useful data or functionalities, wherein the node includes a related node if it is at least deemed likely to provide the useful data or the functionalities contributing to a desired result for which the cluster of nodes is created, wherein the selected method includes one or more techniques chosen from a list of techniques consisting of:

1) audio through a speaker;

2) audio through a headset;

3) displayed text;

4) a displayed image of a recorded photograph or video;

5) a displayed image of computer generated graphics; and

6) a display with brightness adjusted for ambient lighting conditions, and~~.~~

~~3. The apparatus of claim 1,~~ wherein said selection is to be based at least partly on one or more factors chosen from a list of factors consisting of:

1) current user activities;

2) importance of the current user activities;

3) ~~affect~~ effect of the method of presentation on other people; and

4) effectiveness of each method in the user's current environment.

3. The apparatus of claim 1, wherein each node in the cluster of modes is selected manually by user or automatically based on the status awareness, wherein one or more nodes of the cluster of nodes are displayed as the matrix is vertically or horizontally rotated at its axis, wherein the matrix comprises one or more multi-dimensional shapes with each shape displaying one or more nodes representing one or more information points associated with

one or more information sources of the plurality of information sources, wherein the matrix includes a cube or a polyhedron.

4. The apparatus of claim 1, wherein the plurality of information sources facilitate one or more primary information points represented through one or more primary nodes providing primary information relating to a subject, wherein the plurality of information sources is further to facilitate one or more secondary information points represented through one or more secondary nodes providing secondary information relating to the subject, the secondary information including additional pertinent information regarding the subject.

5. The apparatus of claim 1, wherein the sensor inputs comprise situational analysis of the user's actions that impact the external conditions and correspondingly change the information relating to the external conditions, wherein the user's actions are observed by the one or more sensors including one or more of a radio, a camera, a microphone, a motion sensor, an orientation sensor, a light sensor, and a temperature sensor.

6. The apparatus of claim 1, wherein the context awareness is based on user contexts including one or more of the user's preferences, the user's historical activities, the user's current activities, and the user's speculative activities, wherein the activities include one or more of actions, reactions, and decisions associated with the user, wherein the context awareness comprises an analysis of the user contexts based on usefulness of the one or more user contexts to the status awareness.

7. The apparatus of claim 1, wherein the matrix is displayed in one or more forms including a virtual cube, wherein the virtual cube is capable of being rotated via one or more of a rotating wheel, a joystick, a trackball, a touchpad, a touch button, a human finger, a stylus, and a separate X-Y input device.

48. A method of presenting information to a user, comprising:

obtaining information for presentation to a user, wherein the information is obtained via a plurality of information sources;

determining multiple methods of presenting the information to the user with a handheld electronic device;

selecting at least one of the multiple methods based on status awareness, whereby status awareness includes situation awareness, context awareness, or both, wherein the situation awareness pertains to conditions external to the electronic device as determined from sensor inputs provided by one or more sensors of the electronic device, wherein the sensor inputs are based on information relating to the external conditions gathered by the one or more sensors; and

presenting the information to the user with the handheld electronic device, using said at least one method, wherein the information is presented via a matrix that is rotational at its axis to provide maximum access to a cluster of nodes representing a cluster of information points within the matrix, wherein the cluster of nodes corresponds to a plurality of information points populated by the plurality of information sources,

wherein the plurality of information points includes areas of interests as labeled categories, wherein the matrix includes a matrix of choices where one axis of the matrix represents areas of interest corresponding to software applications as represented by another axis of the matrix such that a combination of an area of interest and a corresponding software application is chosen by the user and retrieved by the electronic device along with retrieval of data associated with the combination, wherein the matrix includes one or more matrixes corresponding to one or more modes associated with the user or the device, wherein the one or more modes include at least one of work mode, family mode, and play mode,

wherein the selection is based on effect of the selected method of presentation on other people, and wherein the selection includes not selecting presentation by audio through a speaker if ambient noise is higher than a reference noise, and selecting presentation by audio through a headset if ambient noise is smaller than a reference value.

95. The method of claim 84, wherein a node includes one or more of a software application, a selection of data, an internal service, an external service, an input from a sensor, a communication link, and one or more sources of useful data or functionalities, wherein the node includes a related node if it is at least deemed likely to provide the useful

data or the functionalities contributing to a desired result for which the cluster of nodes is created, wherein the selected method includes one or more techniques chosen from a list of techniques consisting of:

1) audio through a speaker;

2) audio through a headset;

3) displayed text;

4) a displayed image of a recorded photograph or video;

5) a displayed image of computer generated graphics; and

6) a display with brightness adjusted for ambient lighting conditions~~.~~, and

~~6. The method of claim 4,~~ wherein said selecting is based at least partly on one or more factors chosen from a list of factors consisting of:

1) current user activities;

2) importance of the current user activities;

3) effect of the method of presentation on other people; and

4) effectiveness of each method in the user's current environment.

10. The method of claim 8, wherein each node in the cluster of modes is selected manually by user or automatically based on the status awareness, wherein one or more nodes of the cluster of nodes are displayed as the matrix is vertically or horizontally rotated at its axis, wherein the matrix comprises one or more multi-dimensional shapes with each shape displaying one or more nodes representing one or more information points associated with one or more information sources of the plurality of information sources, wherein the matrix includes a cube or a polyhedron.

11. The method of claim 8, wherein the plurality of information sources facilitate one or more primary information points represented through one or more primary nodes providing

primary information relating to a subject, wherein the plurality of information sources is further to facilitate one or more secondary information points represented through one or more secondary nodes providing secondary information relating to the subject, the secondary information including additional pertinent information regarding the subject.

12. The method of claim 8, wherein the sensor inputs comprise situational analysis of the user's actions that impact the external conditions and correspondingly change the information relating to the external conditions, wherein the user's actions are observed by the one or more sensors including one or more of a radio, a camera, a microphone, a motion sensor, an orientation sensor, a light sensor, and a temperature sensor.

13. The method of claim 8, wherein the context awareness is based on user contexts including one or more of the user's preferences, the user's historical activities, the user's current activities, and the user's speculative activities, wherein the activities include one or more of actions, reactions, and decisions associated with the user, wherein the context awareness comprises an analysis of the user contexts based on usefulness of the one or more user contexts to the status awareness.

14. The method of claim 8, wherein the matrix is displayed in one or more forms including a virtual cube, wherein the virtual cube is capable of being rotated via one or more of a rotating wheel, a joystick, a trackball, a touchpad, a touch button, a human finger, a stylus, and a separate X-Y input device.

15~~7~~. An article comprising:

a computer-readable medium that contains instructions, which when executed by one or more processors result in performing operations comprising:

obtaining information for presentation to a user, wherein the information is obtained via a plurality of information sources;

determining multiple methods of presenting the information to the user with a handheld electronic device;

selecting at least one of the multiple methods based on status awareness, whereby status awareness includes situation awareness, context awareness, or both, wherein the situation awareness pertains to conditions external to the electronic device as determined from sensor inputs provided by one or more sensors of the electronic device, wherein the sensor inputs are based on information relating to the external conditions gathered by the one or more sensors; and

presenting the information to the user with the handheld electronic device, using said at least one method, wherein the information is presented via a matrix that is rotational at its axis to provide maximum access to a cluster of nodes representing a cluster of information points within the matrix, wherein the cluster of nodes corresponds to a plurality of information points populated by the plurality of information sources

wherein the plurality of information points includes areas of interests as labeled categories, wherein the matrix includes a matrix of choices where one axis of the matrix represents areas of interest corresponding to software applications as represented by another axis of the matrix such that a combination of an area of interest and a corresponding software application is chosen by the user and retrieved by the electronic device along with retrieval of data associated with the combination, wherein the matrix includes one or more matrixes corresponding to one or more modes associated with the user or the device, wherein the one or more modes include at least one of work mode, family mode, and play mode,

wherein the selection is based on effect of the selected method of presentation on other people, and wherein the selection includes not selecting presentation by audio through a speaker if ambient noise is higher than a reference noise, and selecting presentation by audio through a headset if ambient noise is smaller than a reference value.

168. The article of claim 157, wherein a node includes one or more of a software application, a selection of data, an internal service, an external service, an input from a sensor, a communication link, and one or more sources of useful data or functionalities,

wherein the node includes a related node if it is at least deemed likely to provide the useful data or the functionalities contributing to a desired result for which the cluster of nodes is created,

wherein the matrix is displayed in one or more forms including a virtual cube, wherein the virtual cube is capable of being rotated via one or more of a rotating wheel, a joystick, a trackball, a touchpad, a touch button, a human finger, a stylus, and a separate X-Y input device,

wherein the selected method includes one or more techniques chosen from a list of techniques consisting of:

1) audio through a speaker;

2) audio through a headset;

3) displayed text;

4) a displayed image of a recorded photograph or video;

5) a displayed image of computer generated graphics; and

6) a display with brightness adjusted for ambient lighting conditions., and

~~9. The article of claim 7, wherein the operation of selecting~~ said selection is based at least partly on one or more factors chosen from a list of factors comprising~~consisting of~~:

1) current user activities;

2) importance of the current user activities;

3) effect of the method of presentation on other people; and

4) effectiveness of each method in the user's current environment.

17. The article of claim 15, wherein each node in the cluster of modes is selected manually by user or automatically based on the status awareness, wherein one or more nodes of the cluster of nodes are displayed as the matrix is vertically or horizontally rotated at its axis, wherein the matrix comprises one or more multi-dimensional shapes with each shape displaying one or more nodes representing one or more information points associated with one or more information sources of the plurality of information sources, wherein the matrix includes a cube or a polyhedron.

18. The article of claim 15, wherein the plurality of information sources facilitate one or more primary information points represented through one or more primary nodes providing primary information relating to a subject, wherein the plurality of information sources is further to facilitate one or more secondary information points represented through one or more secondary nodes providing secondary information relating to the subject, the secondary information including additional pertinent information regarding the subject.

19. The article of claim 15, wherein the sensor inputs comprise situational analysis of the user's actions that impact the external conditions and correspondingly change the information relating to the external conditions, wherein the user's actions are observed by the one or more sensors including one or more of a radio, a camera, a microphone, a motion sensor, an orientation sensor, a light sensor, and a temperature sensor.

20. The article of claim 15, wherein the context awareness is based on user contexts including one or more of the user's preferences, the user's historical activities, the user's current activities, and the user's speculative activities, wherein the activities include one or more of actions, reactions, and decisions associated with the user, wherein the context awareness comprises an analysis of the user contexts based on usefulness of the one or more user contexts to the status awareness.