7. The system of claim 1, further comprising a power management circuit coupled to the energy harvester to convert the electrical energy from the energy harvester to the voltage potential difference suitable to energize the control device.

8. The system of claim 1, further comprising an in-body device operative to communicate information to an external system located outside the body.

9. The system of claim 8, wherein the in-body device is operative to communicate the information outside the body only when the wireless energy source is energized by an external energy source located outside the body.

10. A system comprising:

a control device for altering conductance;

a wireless energy source electrically coupled to the control device, the wireless energy source comprising an energy harvester to receive energy at an input thereof in one form and to convert the energy into a first voltage potential difference to energize the control device; and

a partial power source comprising:

a first material electrically coupled to the control device; and

a second material electrically coupled to the control device and electrically isolated from the first material;

wherein the first and second materials are selected to provide a second voltage potential difference when in contact with a conducting liquid; and

wherein the control device alters ~~the~~ conductance between the first and second materials such that ~~the~~ a magnitude of ~~the~~ a current flow is varied to encode information.

11. The system of claim 10, wherein when the control device is energized by the wireless energy source, the control device alters ~~the~~ a first voltage potential difference between the first and second materials such that a magnitude of the first voltage potential is varied to encode information.

12. The system of claim 10, wherein the energy harvester comprises an optical energy conversion element to receive optical energy at the input of the energy harvester and to convert the optical energy into electrical energy.

13. The system of claim 10, further comprising a charge pump coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.

14. The system of claim 10, further comprising a DC-DC converter coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.

15. The system of claim 10, further comprising a AC-DC converter coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.

16. A system comprising:

a control device;

a wireless energy source electrically coupled to the control device, the wireless energy source comprising an energy harvester to receive energy at an input thereof in one form and to convert the energy into a first voltage potential difference to energize the control device; and

a power source electrically coupled to the control device, the power source to provide a second voltage potential difference to the control device.

17. The system of claim 16, wherein the power source is a thin film integrated battery.

18. The system of claim 16, wherein the power source is a supercapacitor.

19. The system of claim 16, wherein the power source is a thin film integrated rechargeable battery.

20. The system of claim 16, further comprising a charge pump coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.

21. The system of claim 16, further comprising a DC-DC converter coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.

22. The system of claim 16, further comprising a AC-DC converter coupled to the energy harvester to convert the electrical energy from the energy harvester to the first voltage potential difference suitable to energize the control device.