CLAIMS

1. A device attachable to an insect, comprising:

a base member; and

two or more hooks, the two or more hooks being disposed at different sides of the base member, the two or more hooks each being a resiliently flexible hook.

2. The device as recited in claim 1, wherein the device is detachably attachable to the insect by a wholly mechanical coupling of the two or more hooks with a body part of the insect.

3. The device as recited in claim 1 or claim 2, wherein the two or more hooks each comprises:

a securing member, the securing member being coupled with the base member;

a biased member; and

an angled element, the angled element coupling the securing member and the biased member to define a slot between the securing member and the biased member.

4. The device as recited in claim 3, wherein each of the two or more hooks is resiliently flexible to provide a variable slot height between the securing member and the biased member.

5. The device as recited in claim 3 or claim 4, further comprising a serrated surface, the serrated surface being disposed on at least one of the securing member and the biased member.

6. The device as recited in any one of claims 1 to 5, further comprising an electrode, the electrode being disposed at an inner surface of the device.

7. The device as recited in claim 6, wherein the electrode comprises a surface electrode, wherein the device in a wholly mechanical coupling with the insect provides the surface electrode in a pressed abutment with a neuromuscular site of the insect.

8. The device as recited in any one of claims 3 to 7, wherein the securing member and the biased member define respective axes that are parallel and non-coincidental to one another in a default state.

9. The device as recited in any one of claims 1 to 8, wherein the device is resiliently flexible to provide a variable span between two opposable hooks, the two opposable hooks being selected ones of the two or more hooks, the two opposable hooks being oriented in accordance with one of the following: (i) oriented a similar direction or (ii) oriented in opposite directions to one another with the securing member and the biased member defining respective axes that are non-parallel to one another.

10. The device as recited in any one of claims 1 to 9, further comprising a backpack coupled to the base member, the backpack including: a controller; and any one or more of the following: a communications module; a battery pack; and a power source.

11. The device as recited in claim 10, further comprising a mounting platform, the mounting platform being detachably coupleable with the base member.

12. The device as recited in any one of claims 1 to 11 for use with an appendage of the insect, further comprising:

a connector, the connector including:

a connector securing member; and

two gripping members, the two gripping members extending from the connector securing member in different directions and ending

in respective connector distal ends, the connector distal ends being spaced apart from one another,

wherein the two gripping members are angled to dispose the connector distal ends in opposing orientations to define a gap therebetween,

and wherein the two gripping members are resiliently biased toward narrowing the gap; and

at least one connector electrode disposed on the connector, wherein the at least one connector electrode is in pressed abutment with the appendage when the device is in assembly with the appendage.

13. The device as recited in claim 12, wherein the gripping member is spring-loaded to resiliently bias the gripping member to decrease a gap width of the gap, and wherein the connector is detachably attachable to the appendage by a wholly mechanical coupling.

14. An insect-computer hybrid system, comprising:

an insect; and

one or more devices, the one or more devices each as recited in any one of claims 1 to 13 and detachably attached to a respective body part of the insect by a wholly mechanical coupling.

15. The insect-computer hybrid system as recited in claim 14, wherein at least one of the one or more devices further comprises one or more electrodes, each of the one or more electrodes being in operable contact with a respective neuromuscular site of the insect, the respective body part of the insect being selected from the following: a head, a thorax, an abdomen, and a cercus of the insect.