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4. TITLE AND SUBTITLE
Fast morphing multi-stable structures from shape-programmable bio-inspired composites

5a. CONTRACT NUMBER

5b. GRANT NUMBER
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5c. PROGRAM ELEMENT NUMBER
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6. AUTHOR(S)
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5e. TASK NUMBER

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13. SUPPLEMENTARY NOTES

14. ABSTRACT
The PI studied: In the first part, I) Synthetic snapping structures inspired by the Venus flytrap leaf, II) Biological, multistable mechanism underlying snapping of the earwig wing. In the second part, I) further Biological, multistable mechanism underlying snapping of the earwig wing and II) the possibilities for sensing through changes of stable state in microstructured bistable composites, which resulted in biologically-inpired mechanosensing. The grant was successful, but no formal final technical report was obtained, though progress summaries were submitted.

15. SUBJECT TERMS
EOARD, Morphing, Bio-inspired composites, Shape-programmable composites

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