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Electronic Supplementary Information for

A Flexible and Stretchable Three-dimensional Conductor Based on Au-Ni@Graphene coated Polyurethane Sponge by Electroless Plating

Fei Han^{a,c,§} Xingyu Su,^{a,b,§} Mingqi Huang,^a Jinhui Li,^{a,d,} Yuan Zhang,^{a,c} Songfang Zhao,^e Feng Liu,^a Bo Zhang,^a Ying Wang,^{a,c} Guoping Zhang,^{a,*} Sun Rong,^{a,*} Ching-Ping Wong^f*

^aGuangdong Provincial Key Laboratory of Materials for High Density Electronic Packaging, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China. Email: gp.zhang@siat.ac.cn, rong.sun@siat.ac.cn

^bSchool of Chemical Engineering, China University of Petroleum, Beijing 102249, China.

^cDepartment of Nano Science and Technology Institute, University of Science and Technology of China, Suzhou 215123, China.

^dDepartment of Materials Science and Engineering, City University of Hong Kong, 83 Tat Chee Avenue, Kowloon, Hong Kong.

^eSchool of Material Science and Engineering, University of Jinan, Jinan 250022, Shandong, China.

^fSchool of Materials Science and Engineering, Georgia Institute of Technology, 771 Ferst Drive, Atlanta, Georgia 30332, United States.

[§] These authors contributed equally to this work.

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Fig. S3. The EDS analysis of Ni@GPUS and Au-Ni@GPUS sample.

Supplementary Video 1. The dynamic circulatory testing video of LED lamp.

Supplementary Video 2. The video of several stretching-releasing cycles when charging a smart cellphone.



Fig. S1. The optical images of the a) as-prepared PUS, b) GPUS, c) Au-Ni@GPUS, d) the flexible conductor, respectively.

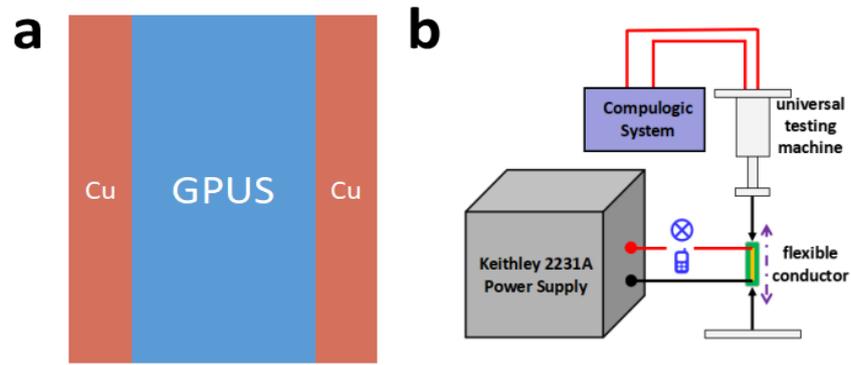


Fig. S2. a) The designed sandwich structure for the pre-activate of graphene coated PU sponge (GPUS). b) The designed circuit diagram for application tests.

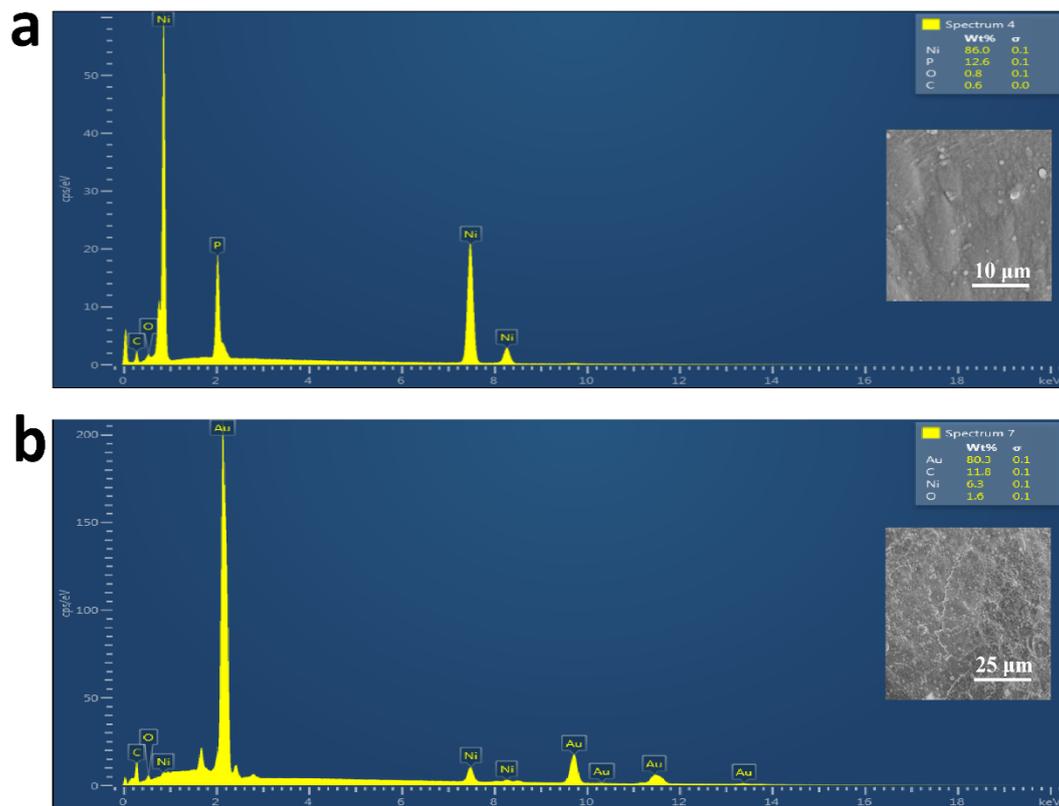


Fig. S3. a) EDS analysis of Ni@GPUS sample. b) EDS analysis of Au-Ni@GPUS.