

Supplementary Information

Sustainable Power Generation via Hydro-Electrochemical Effects

Ahrum Sohn¹, Yufan Jang², Anirban Chakraborty¹, Choongho Yu^{1,2,*}

¹Department of Mechanical Engineering, Texas A&M University, College Station, Texas 77843,
USA

²Department of Materials Science and Engineering, Texas A&M University, College Station,
Texas 77843, USA

*Corresponding author, E-mail address: chyu@tamu.edu

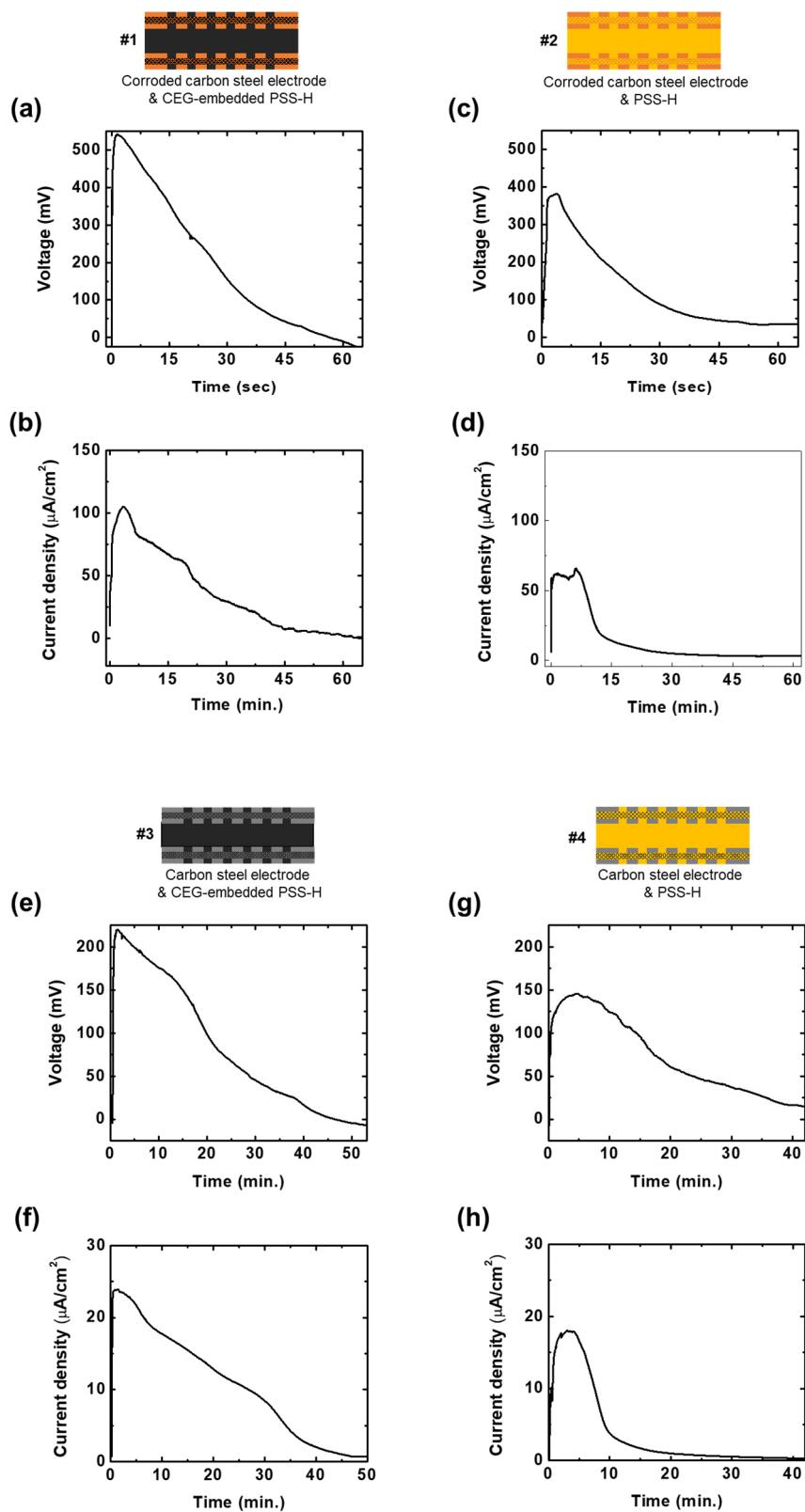


Figure S1. Open-circuit voltage and short-circuit current density for device configuration (a,b) #1, (c,d) #2, (e,f) #3, and (g,h) #4.

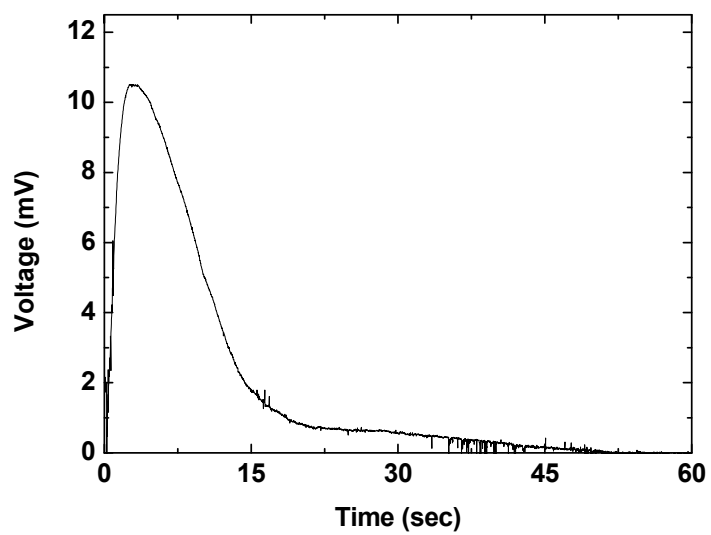


Figure S2. Open-circuit voltage of the device with PSS-H as an interlayer and graphite foil as electrodes.

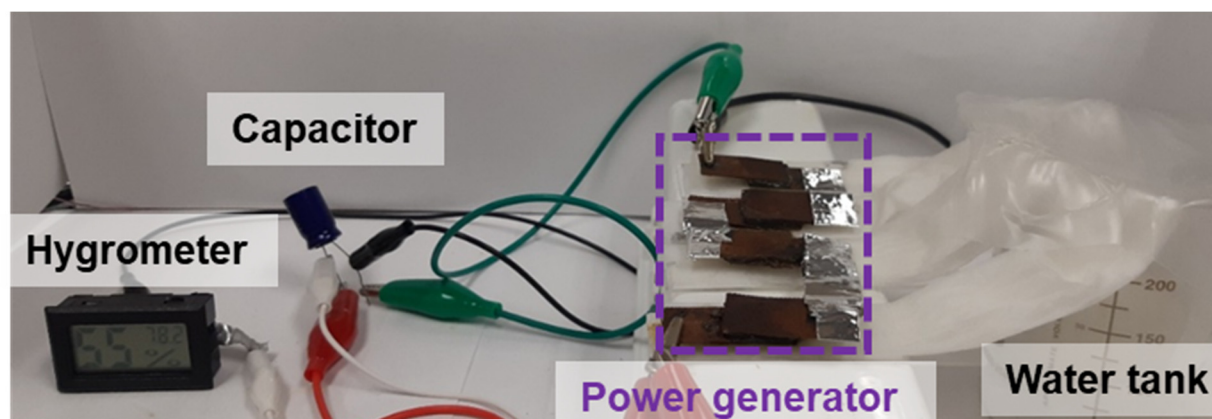


Figure S3. A photograph of a setup operating a hygrometer powered by four serially connected hydro-electrochemical power generators.