The 2019 Franklin Institute Laureate Symposium will be held at Temple University to honor Dr. John A. Rogers who received the Benjamin Franklin Medal in Materials Engineering for pioneering the engineering of flexible and stretchable electronic systems for e-health and exploratory neuroscience.

**APRIL 10, 2019**
9 AM – 12 PM
Walk Auditorium, Ritter Hall
Temple University
1301 Cecil B. Moore Ave.
Philadelphia, PA 19122

**SPEAKERS:**
- JOHN A. ROGERS
  Northwestern University
- CANAN DAGDEVIREN
  Massachusetts Institute of Technology
- ROOZBEH GHAFFARI
  Northwestern University
- NANSHU LU
  University of Texas, Austin

**PRICE:** Free and open to the public

**REGISTRATION:** https://events.temple.edu/the-2019-franklin-institute-laureate-symposium

**CONTACT:** Fei Ren, fei.ren@temple.edu, 215-204-9593

Dr. John Rogers is the Louis Simpson and Kimberly Querrey Professor of Materials Science and Engineering, professor of biomedical engineering, professor of neurological, and director of the Center for Bio-integrated Electronics at Northwestern University. He is a member of the National Academy of Engineering, the National Academy of Sciences, and the American Academy of Arts and Sciences.
tattoos. This method has been proved to work for thin film metals, and stimulators that are ultrathin, ultrasoft, and skin-conformable. This talk will introduce a dry and freeform “cut-and-paste” method to fabricate wireless e-tattoos. This method has been proved to work for thin film metals, polymers, ceramics, as well as 2D materials. Unique advantages of such e-tattoos enable them to be a mobile and disposable platform for continuous vital sign monitoring, human-robot interface, and personalized therapeutics. For wireless power and data transmission, NFC-enabled e-tattoos based on stretchable antenna and Bluetooth-enabled e-tattoos will be demonstrated. The concept of modular and reconfigurable e-tattoos will also be introduced.
Acknowledgements

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For 195 years, the Franklin Institute has honored the greatest minds in science, engineering, technology, and business. The Franklin Institute Awards are amongst the oldest and most prestigious comprehensive science awards in the world. Recognizing these brilliant men and women from around the world is one important way that the Institute preserves Benjamin Franklin's legacy. They are the Franklins of today; they will inspire the Franklins of tomorrow.

Symposium Organizers
Jim S. Chen, Jie Yin, and Fei Ren
Department of Mechanical Engineering, Temple University

To learn more about this symposium and how to register this free event, scan the QR code on the left, or go to

https://events.temple.edu/the-2019-franklin-institute-laureate-symposium

Franklin Institute
Laureate Symposium
Soft, Body-Integrated Microsystems Technologies
honoring
Dr. John A. Rogers
2019 Benjamin Franklin Medalist in Materials Engineering

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