## CUNJIANG YU

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### Education & Academic Preparation

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|---|---|---|
| 11/2010 – 10/2013 | Postdoctoral Fellow, Materials Science and Engineering<br>University of Illinois at Urbana-Champaign | Urbana, IL |
| 8/2007 – 12/2010 | Ph.D., Mechanical Engineering<br>Arizona State University | Tempe, AZ |
| 9/2004 – 6/2007 | M.S., Electrical Engineering<br>Southeast University | Nanjing, China |
| 9/2000 – 7/2004 | B.S., Mechanical Engineering<br>Southeast University | Nanjing, China |

### Employment

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|---|---|
| 9/2016 – present | Bill D. Cook Assistant Professor, University of Houston |
| 10/2013 - 8/2016 | Assistant Professor, University of Houston, Department of Mechanical Engineering (Adjunct) Department of Electrical and Computer Engineering (Adjunct) Program of Materials Science and Engineering (Adjunct) Department of Biomedical Engineering |
| 11/2010 – 10/2013 | Postdoctoral Fellow, University of Illinois at Urbana-Champaign<br>Department of Materials Science and Engineering Frederick Seitz Materials Research Laboratory Micro and Nanotechnology Laboratory |
| 8/2007 – 10/2010 | Graduate Research Assistant, Arizona State University<br>Department of Mechanical and Aerospace Engineering Center for Solid State Electronics Research |
| 9/2004 – 6/2007 | Graduate Research Assistant, Southeast University<br>School of Electronics Science and Engineering<br>Major: MEMS, Microelectronics and Solid State Electronics Key Laboratory of MEMS of the Ministry of Education, China |
| 7/2003 – 7/2004 | Undergraduate Research Assistant, Southeast University<br>School of Mechanical Engineering |

### Research Interests

- Soft (flexible, stretchable, wearable) electronics
- Semiconductor devices
- Thin film organic and inorganic electronics
- Biomedical sensors and electronics
- Nano-micro-macro manufacturing, additive manufacturing
- Mechanics of solids and soft materials
- Soft robotics

**Honors and Awards**

- 3M Non-Tenured Faculty Award, 2018
- ONR Young Investigator Award, 2018
- MIT Technology Review Top Innovators under the age of 35, TR35 China, 2017
- Best Poster (1st place) Award (with student), ASME IMECE Posters for NSF-Funded Research, 2017
- Best Poster (1st place) Award (with student), ASME IMECE 2017 Society-Wide Micro and Nanotechnology Form, 2017
- Junior Faculty Research Excellence Award, Cullen College of Engineering, UH, 2017
- Bill D. Cook Faculty Scholar, UH, 2016
- Doctoral New Investigator Award, Petroleum Research Fund - American Chemical Society, 2016
- Award for Excellence in Research, Scholarship or Creative Activity, UH, 2016
- NSF CAREER Award, 2016
- Paul H. Holloway Young Investigator Award, American Vacuum Society, 2015
- New Faculty Research Award, UH, 2014
- Chinese Government Award for Outstanding Students Studying Abroad, 2011
- Transducer Research Foundation Award, 2010

**Selected Publications**

1. Chengjun Wang, Kyoseung Sim, Jin Chen, Hojin Kim, Zhoulyu Rao, Yuhang Li, Weiqiu Chen, Jizhou Song, Rafael Verduzco, and **Cunjiang Yu*,** Soft ultra-thin electronics innervated adaptive fully soft robots, ***Advanced Materials,*** 30, 1706695, 2018.
2. Kyoseung Sim, Zhoulyu Rao, Dong Yang, and Cunjiang Yu*, Curvy surface conformal ultra- thin transfer printed Si optoelectronic penetrating microprobe arrays, ***NPJ Flexible Electronics***, 2, 2, 2018.
3. Haejin Kim, Kyoseung Sim, Anish Thukral, and Cunjiang Yu*, Rubbery electronics and sensors from intrinsically stretchable elastomeric composites of semiconductors and conductors,***Science Advances***, 3, e701114, 2017.
4. Yang Gao†, Ying Zhang†, Xu Wang†, Kyoseung Sim†, Jingshen Liu, Xue Feng, Ji Chen, Hangxun Xu*, and Cunjiang Yu*, Moisture triggered physically transient electronics, ***Science Advances***, 3, e1701222, 2017.
5. **Cunjiang Yu**, Yuhang Li, Xun Zhang, Xian Huang, Viktor Malyarchuk, Shuodao Wang, Yan Shi, Li Gao, Yewang Su, Yihui Zhang, Hangxun Xu, Roger Hanlon, Yonggang Huang, and John A. Rogers, Adaptive optoelectronic camouflage systems with designs inspired by cephalopod skins, ***Proceedings of the National Academy of Sciences USA***, 111, 12998- 13003, 2014.