




Mohammad Javad Mirshojaeian Hosseini

Postdoctoral Scholar, Chemical Engineering

 Curriculum Vitae available Online

Bio

BIO

With over five years of experience, my work focuses on designing, fabricating, and characterizing flexible nanostructures and organic neuromorphic circuits. My expertise extends to hands-on experience in ISO 4 cleanrooms and fabrication labs, employing a variety of techniques such as electron beam and thermal PVD, ALD, sputtering, photolithography, CVD, profilometry, and wet chemical processing. I have a strong foundation in advanced materials and technologies, including neuromorphic systems, nanofabrication, biosensors, lab-on-a-chip technologies, printing electronics, and organic nanoelectronics.

Currently, I am a postdoctoral researcher at Stanford University, where I explore stretchable neuromorphic e-skin and flexible electronics, particularly for biopotential monitoring and soft robotics applications. My multidisciplinary expertise enables me to contribute to projects that combine neuromorphic computing, smart materials, and neuroscience. These align with my long-term research goals of advancing neuromorphic systems and developing novel technologies at the interface of artificial intelligence, smart materials, and organic electronics.

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- Zhenan Bao, Postdoctoral Faculty Sponsor