UNIVERSITY OF WASHINGTON

Multiple open positions at the University of Washington, Seattle Shared Micro/Nano-Fabrication Facility

The University of Washington has recently begun a strategic initiative to significantly expand and upgrade our on-campus cleanroom facilities. **Our goal is to build our campus into a leading national center for nanoscience and nanofabrication. If you want to be a part of making this happen, we want to hear from you.**

In the first phase of this effort, over the past two years, we acquired a JEOL 6300FS 100KV electron beam lithography system, as well as approximately five new etching, deposition and metrology tools.

The facility currently has **6 open positions** and will have additional open positions in the coming months**;** we are seeking an **Associate Director, Senior Process Engineers, Process Engineers, a User Manager and experienced Technicians.** We anticipate posting additional positions over the coming weeks.

The university has recently appointed Professor Karl Böhringer, a MEMS pioneer, as the facility director, and Assistant Professor Michael Hochberg, and expert on silicon nanophotonics, as deputy director.

Please email a resume or CV to: hochberg@washington.edu for further information and links to the official announcements. Official job descriptions can be found at https://www.ee.washington.edu/operations/payroll/jobs or at http://uw.edu/jobs.

Position descriptions:

https://uwhires.admin.washington.edu/eng/candidates/default.cfm?szCategory=JobProfile&szOrderID=73694&szlocationID=88
https://uwhires.admin.washington.edu/eng/candidates/default.cfm?szCategory=JobProfile&szOrderID=73300&szlocationID=88
https://uwhires.admin.washington.edu/eng/candidates/default.cfm?szCategory=JobProfile&szOrderID=73972&szlocationID=88
https://uwhires.admin.washington.edu/eng/candidates/default.cfm?szCategory=JobProfile&szOrderID=75363&szlocationID=88

Multiple open positions at the University of Washington, Seattle Shared Micro/Nano-Fabrication Facility

Director: Karl Böhringer

Karl Böhringer is Professor of Electrical Engineering and Bioengineering with adjunct appointments in Computer Science & Engineering and in Mechanical Engineering at the University of Washington, Seattle. He received both his M.S. and Ph.D. degrees in Computer Science from Cornell University and his Diplom-Informatiker degree from the University of Karlsruhe, Germany. During his dissertation work on distributed micromanipulation he designed, built, and tested multiple micro actuator arrays at the Cornell Nanofabrication Facility. He also spent a year as a visiting scholar at the Stanford Robotics Lab and Transducer Lab, where he collaborated on research in MEMS cilia arrays. From 1996 to 1998 he investigated techniques for parallel micro selfassembly as a postdoctoral researcher at the University of California, Berkeley. His current interests include micromanipulation and microassembly, as well as biomedical implants and bioMEMS for low-cost diagnostics. He leads the UW portion of the DARPA Center for Interfacial Engineering of Microelectromechanical Systems (CIEMS). He received an NSF postdoctoral associateship in 1997, an NSF CAREER award in 1999, and was an NSF New Century Scholar in 2000. His work was featured among the Top 100 Science Stories in Discover Magazine's "Year in Science" in January 2003. He received the 2004 Academic Early Career Award from the IEEE Robotics and Automation Society. Since 2010, he holds the John M. Fluke Distinguished Chair in Engineering at the University of Washington. He is a member of the editorial board of the ASME/IEEE Journal of Microelectromechanical Systems, the IEEE Transactions of Automation Science and Engineering, and the steering committees for the IEEE International Conference on Microelectromechanical Systems and the International Conference on Solid-state Sensors, Actuators and Microsystems. He is a fellow of IEEE.

Deputy Director: Michael Hochberg

Michael Hochberg is an Assistant Professor in Electrical Engineering at the University of Washington. He received his BS (Physics, 2002), his MS (Applied Physics, 2005) and his PhD (Applied Physics, 2006) from Caltech, and he was awarded the Demetriades-Tsafka Prize in Nanotechnology for the best dissertation by a graduating Ph.D. student in the field of Nanotechnology. As a graduate student, he worked on developing integrated nonlinear optical devices using silicon photonics. He was also the recipient of an NSF Graduate Research Fellowship and, as an undergraduate, of a merit-based fellowship from Caltech. As an undergraduate, Hochberg co-founded two companies: Simulant, which sold the first commercial distributed FDTD code, and Luxtera, a venture-funded company working to commercialize silicon photonics. He recently joined the faculty at the University of Washington, where he was the recipient of a 2007 Air Force Office of Sponsored Research Young Investigators Program award, as well as a Presidential Early Career Award in Science and Engineering (PECASE) in 2009.