

10/10/2014

POSTDOCTORAL SCHOLAR – Flexible Electronics Engineer

LOCATION: Oregon State University, Corvallis, Oregon

APPOINTMENT: 1.0 FTE, up to 18 months

AVAILABLE: November 15, 2014

CLOSING DATE: November 15, 2014 or until qualified applicant identified

POSITION SUMMARY: The School of Electrical Engineering and Computer Science at Oregon State University invites applications for two full-time (1.0 FTE), 12-month post-doctoral scholars in the area of flexible electronics. The candidates should have expertise in thin film deposition, photolithography, etching, mask design, device characterization, and materials and process development. We seek candidates with experience working with flexible substrates, specifically process integration on polymeric substrates. This position provides an opportunity for cross-disciplinary research in the application of materials science to the development of flexible sensing systems for human health monitoring. The successful candidate is also expected to mentor and collaborate with graduate and undergraduate students, and to assume both lead and supporting roles in the preparation of manuscripts for publication. 15% of this position may be devoted to professional development activities and non-related research projects.

REQUIRED QUALIFICATIONS AND EXPERIENCE:

- Minimum of a PhD degree in Electrical Engineering, Chemical Engineering, Materials Science or related field.
- Demonstrated capacity for intellectual creativity and leadership in university-level scholarship
- Evidence of ability and interest in participating in diverse interdisciplinary teams.
- Demonstrated record of publication or other scholarly activity.
- Excellent oral and written communication skills.
- Experience with microelectronics fabrication techniques

PREFERRED QUALIFICATIONS AND EXPERIENCE:

- Experience with flexible electronics fabrication techniques.
- Experience with biosensor development, including functionalization techniques.

APPLICATION PROCESS: To apply please submit a letter of application describing your interest in the position and an overview of

your qualifications and experience. Also, please submit a resume/vita, and the names and phone numbers of three professional references. Application materials may be sent electronically or hard copy to:

John F. Conley, Jr.

Professor, Electrical Engineering and Computer Science & Intercollege
Materials Science Program

Co-Director, Materials Synthesis and Characterization (MaSC) Facility
Oregon State University

3089 Kelley Engineering Center

Corvallis, OR 97331-5501

(541)737-9874

jconley@eecs.oregonstate.edu

<http://web.engr.oregonstate.edu/~jconley/>