PHD/POST-DOC POSITION ON ADHESION AND ENERGY

KEYWORDS:
Nanotechnology, Microfabrication, Material Science, Polymer chemistry.

WHERE:
School of Engineering Science, Simon Fraser University, Burnaby Campus

JOINT SUPERVISION:

Carlo Menon, PhD
Associate Professor
MSFHR Career Investigator Award recipient
CIHR New Investigator Award recipient
Menrva Research Group (menrva.ensc.sfu.ca)

Bozena Kaminska, PhD
Professor
Canada Research Chair (Tier 1)
CiBER Labs (ciber.fas.sfu.ca)

WHEN:
As soon as possible.

POSITION DESCRIPTION:
We are seeking for a PhD student or post-doctoral fellow interested in micro and nano technologies. We plan to integrate gecko inspired dry adhesives [1-4] with polymer based energy harvesting and storage systems [5-8].

SKILLS REQUIRED:
The prospective student should have a strong background in material science and/or polymer chemistry and/or micro/nano fabrication. The candidate should have extensive experience in a clean room environment and be very familiar with standard class 100/1000 clean room protocols and equipment. Experience in fabrication of organic/polymer nano/micro structures is required. Experience with thermal PVD systems for thin film deposition, mask design and alignment on wafers, patterning and photolithography, use of acid wet benches for etching, probe stations, glove-boxes, and wire bonding are all recommended for this position.

CONTACT:
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References: