



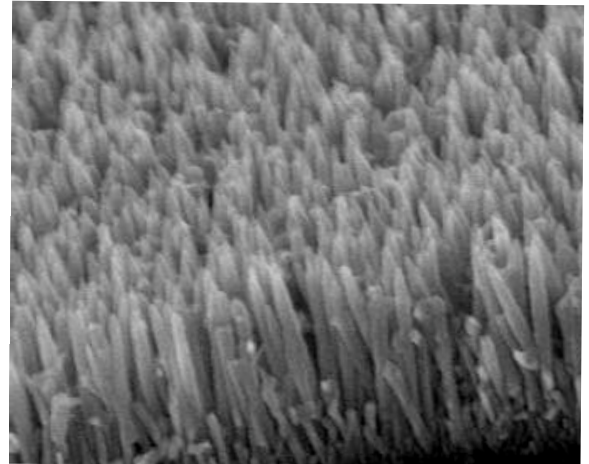
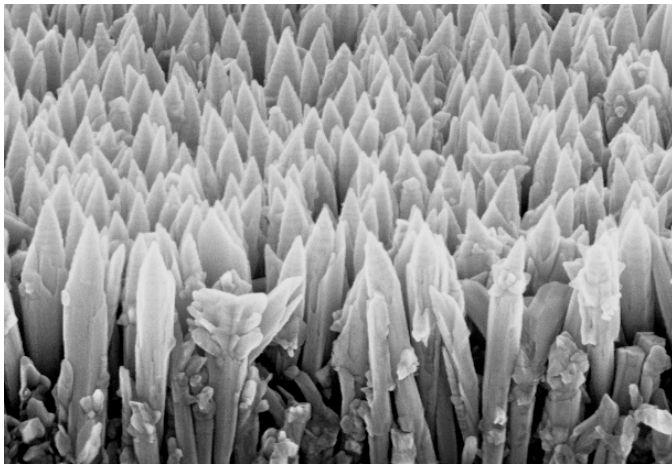
Press Release



October 2009

SMI Collaborates with ASU on High Performance ZnO Nanowire Electronics GOALI

Prof. Hongbin Yu, Assistant Professor in the School of Electrical, Computer, and Energy Engineering at Arizona State University and Structured Materials Industries, Inc. have been awarded a Grant Opportunities for Academic Liaison with Industry (GOALI) from the National Science Foundation to develop high mobility, ZnO nanowire field-effect transistors, with both n-type and p-type doping, on polymer or glass substrate for transparent and flexible electronics applications. This is a collaborative effort between Arizona State University researchers and Structured Materials Industries, Inc. The program targets greatly increasing device speeds and the overall performance of transparent electronics. The program will explore the integration of robust and reliable ZnO NW devices on polymer substrates and then scale up the process for device integration. The nanowires are being grown in SMI's large scale MOCVD tools.



Structured Materials Industries, Incorporated is a leader in advanced and custom Chemical Vapor Deposition (CVD) tool and related technologies. SMI offers for sale: systems, components, materials, and process development services. SMI has an in-house applications laboratory featuring multi-reactor deposition systems and analytic capabilities, has developed a range of strategic partnerships to develop and implement MOCVD technology and looks forward to continuing to grow and expand upon mutually advantageous relationships.

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