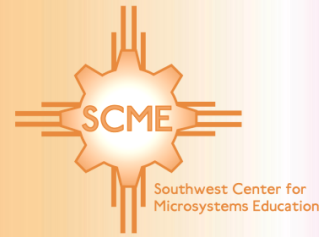




**MEMS 103: Biomedical Applications of Microsystems**  
**January 20, 2012**  
**Presented by the**  
**Southwest Center for Microsystems Education**



**Questions that will be answered during this webinar**

- What can the Southwest Center for Microsystems Education (SCME) do for you?
- What are bioMEMS?
- What areas in the medical field are being impacted by bioMEMS?
- What are some bioMEMS applications?
- How do these bioMEMS work?

**Links and references from webinar**

- SCME website: [scme-nm.org](http://scme-nm.org)
- [List and descriptions of SCME Learning Modules](#)
- [List and descriptions of SCME Instructional Kits](#)
- [Cochlear Implants](#) – Sept 2008
- [Disposable Lab-on-a-chip Cures Diagnostic Debacle](#) – Smarter Technology, Feb 2011
- [Implantable Wireless Pressure Sensors for Treatment of Congestive Heart Failure](#) – Sensor & Transducer e-Digest, Nov 2005
- [Fiber Optic Endoscope](#) – Science Central (YouTube)
- [Single Fiber Optic Endoscope](#) – MedGadget, Jan 2008
- [Pediatric Capsule Endoscopy](#) - Komansky Center of NewYork-Presbyterian, YouTube
- [Second Sight – Argus II Retinal Prosthesis System](#) – YouTube, June 2011
- [Retinal Implants](#) – YouTube, Sept 2011
- [Retinal Prosthesis](#) – Stanford School of Medicine, 2012
- [Deliver Drugs Within the Body with Precision with the Help of Liposomes?](#) – Science Daily, April 2010
- [Remotely Triggered Liposomal Drug Release Through Gold Nanoshells](#) – UC Santa Barbara. 2008
- [Neuroprosthetic That Learns with the Brain](#) – University of Florida, 2008

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**SCME Webinars**

For information on each of the following webinars and to view completed webinars, click [here](#).

Completed	MEMS 101: MEMS Applications Webinar
Completed	MEMS 102: How Do Microsystems Work?
January 20, 2012	MEMS 103: Biomedical Applications of BioMEMS
March 2, 2012	MEMS 201: Topics on Microsystems Materials Crystal Structures
April 12, 2012	MEMS 202: Standard Micromachining Techniques
May 3, 2012	MEMS 203: Making a MicroPressure Sensor