

## **Michalis Averkiou**

Assistant Professor  
Mechanical and Manufacturing  
Engineering  
University of Cyprus

### **Personal Profile**

Michalis Averkiou received a BS in 1987 in Mechanical Engineering and an MS and PhD in 1989 and 1994 respectively also in Mechanical Engineering with specialization in Nonlinear Acoustics/Biomedical Ultrasound, all from the University of Texas at Austin. In 1994 he joined the Applied Physics Laboratory of the University of Washington as a Postdoctoral Fellow. In 1996 he joined Philips Medical Systems Research and Development department. Between 1997 and 2005 he was also an Adjunct Research Professor at the University of Washington.

### **Research Profile**

His research interests are in the areas of diagnostic ultrasound imaging, image guided intervention, therapeutic applications of ultrasound, drug-targeted delivery, ultrasound-mediated gene transfection, and sonothrombolysis. He is particularly interested in microbubble ultrasound contrast agents and their applications including imaging and quantification of the perfusion bed of various organs and cancers. "My research deals with ultrasound schematics. Which are small air bubbles that we insert in the blood stream and with the help of ultrasound we can see the big and small blood vessels". He holds two patents which have to do with better ways to view these microbubbles.

### **Relevant Links or info**

Further information about Michalis' work view  
<http://www.eng.ucy.ac.cy/MME/EN/People/MAverkiou.htm>