highly accurate, robust and latency-free motion processing solution can be established to revolutionize the way people use mobile phones. A gesture recognition based user interface will allow users to access their phones in a very easy and intuitive way most of the time with only a single hand. The inclusion of gyroscopes has raised the accuracy of motion capture to the degree that air signature authentication is possible, and also has brought the user experience of motion-based mobile gaming to a whole new level. Motion processing will also play an important role in the booming mobile commerce and location based service application market. Higher precision position estimation can be achieved and better augmented reality experiences will be provided.

About the authors

Steve Nasiri is CEO of InvenSense and founded the company in 2003. As a 30- year veteran of the MEMS industry, he developed the novel product concept known as, "Nasiri-Fabrication" and has authored over 50 patents (issued and pending) and many articles in the MEMS field.

Shang-Hung Lin is the system engineering director at InvenSense in the Handheld Business Unit. Dr. Lin is responsible for developing new solutions and provides application support for handset manufacturing customers.

David Sachs is a senior advanced application development engineer at InvenSense. Mr. Sachs has designed many gyroscope-based systems at InvenSense and at MIT's Media Lab.

Joseph Jiang is the vice president of InvenSense, leading the Handheld Business Unit and Imaging & Custom Business Unit.

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