

1056-G5-1653      **Wade Ellis\*** ([wellis@ti.com](mailto:wellis@ti.com)), 4562 Alex Drive, San Jose, CA 95130, and **Tatiana Shubin** ([shubin@math.sjsu.edu](mailto:shubin@math.sjsu.edu)), Mathematics Department, San Jose State University, One Washington Square, San Jose, CA 95192. *AIM Math Teachers' Circle Immersion Workshop.*

There were 19 middle school teachers who participated in Math Teachers' Circle Immersion Workshop July 6-10, 2009. The workshop was organized by Brian Conrey (AIM), Tom Davis, Harold Reiter (UNC), Tatiana Shubin (SJSU), and Joshua Zucker. This was the third summer the workshop has been offered and the first time SUMMA funds were available for 7 teachers from middle schools serving minority and socio-economically disadvantaged populations. The presentation will begin with a brief discussion of the purpose of the workshop and the workshop schedule, followed by examples of the topics covered and student work.

The topics are chosen to create learning situations that are within the reach of middle school mathematics teachers, but difficult enough to encourage participants to collaborate and to discover the frustration and deep satisfaction that comes from working on and solving difficult problems. Teaching methods that encourage students to reflect on their work will be discussed as part of the review of each learning situation. Teachers will pass on their delight in mathematics having had these experiences themselves. (Received September 22, 2009)